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1.6953 iproute 4.20.0-2
1.6953.1 Available under license

1.1 jetty-server 9.2.12.v20150709
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/** Set the TCP/IP port used for CONFIDENTIAL and INTEGRAL redirections.
 * @param securePort the secure port to redirect to.
 */
/** Set the URI scheme used for CONFIDENTIAL and INTEGRAL redirections.
 * @param secureScheme A scheme string like "https"
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1030938034_1594251062.84/0/jetty-server-9-2-12-v20150709-sources-
jar/org/eclipse/jetty/server/HttpConfiguration.java

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1.2 builtins 1.0.3

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1.3 d3-interpolate 1.3.2

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1.4 kafka-streams-examples 2.3.0

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

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

* atf-c/ui.c: The format_paragraph and format_text functions were
derived form the ones in the Monotone project, revision
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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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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b) Use a suitable shared library mechanism for linking with the
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copy of the library already present on the user's computer system,
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will operate properly with a modified version of the library, if
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1.21 protocol-hpack 1.4.2

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* /opt/cola/permits/1152135510_1618097482.99/0/socketry-protocol-hpack-v1-4-2-0-g031b055-tar-gz/socketry-protocol-hpack-95105c2/spec/protocol/hpack/compressor/header_spec.rb

1.22 jackson-jaxrs 2.10.4

1.22.1 Available under license:

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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.

Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 640
It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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A list of contributors may be found from CREDITS file, which is included in some artifacts (usually source distributions); but is always available from the source code management (SCM) system project uses.

### 1.23 getopt-long 0.1.0

#### 1.23.1 Available under license :

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### 1.24 libpam-runtime 1.1.8-3.2ubuntu2
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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,

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"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 Wed, 23 Sep 1998 20:29:32 +0200.

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

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1.25 jackson-dataformat-csv 2.9.9
1.26 spring-security-core 3.1.0.RELEASE
1.26.1 Available under license:

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* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-jar/org/springframework/security/access/AfterInvocationProvider.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-jar/org/springframework/security/access/intercept/AfterInvocationProviderManager.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-jar/org/springframework/security/access/AccessDeniedException.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-jar/org/springframework/security/core/Authentication.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-jar/org/springframework/security/authentication/DisabledException.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-jar/org/springframework/security/authentication/event/AbstractAuthenticationFailureEvent.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-jar/org/springframework/security/access/vote/AffirmativeBased.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-jar/org/springframework/security/access/method/AbstractMethodSecurityMetadataSourceAdvisor.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-jar/org/springframework/security/core/userdetails/UsernameNotFoundException.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-jar/org/springframework/security/access/intercept/aopalliance/MethodSecurityMetadataSourceAdvisor.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-jar/org/springframework/security/access/MethodSecurityMetadataSource.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-jar/org/springframework/security/access/AuthorityUtilsImpl.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3.jar/org/springframework/security/access/intercept/AbstractSecurityInterceptor.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3.jar/org/springframework/security/access/intercept/MethodInvocationPrivilegeEvaluator.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3.jar/org/springframework/security/access/annotation/Secured.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3.jar/org/springframework/security/core/userdetails/UserDetails.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3.jar/org/springframework/security/access/vote/RoleVoter.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3.jar/org/springframework/security/access/vote/ConsensusBased.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3.1.0-release-sources-3.jar/org/springframework/security/access/intercept/aspectj/AspectJCallback.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3.1.0-release-sources-3.jar/org/springframework/security/core/session/SessionIdentifierAware.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3.1.0-release-sources-3.jar/org/springframework/security/access/ConfigAttributeEditor.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3.1.0-release-sources-3.jar/org/springframework/security/access/ConfigAttribute.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3.1.0-release-sources-3.jar/org/springframework/security/core/userdetails/memory/UserAttributeEditor.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3.1.0-release-sources-3.jar/org/springframework/security/core/authority/GrantedAuthorityImpl.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3.1.0-release-sources-3.jar/org/springframework/security/access/vote/AbstractAccessDecisionManager.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-
jar/org/springframework/security/authentication/event/AuthenticationFailureDisabledEvent.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-
jar/org/springframework/security/authentication/encoding/LdapShaPasswordEncoder.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-
jar/org/springframework/security/authentication/TestingAuthenticationProvider.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-
jar/org/springframework/security/core/userdetails/memory/UserAttribute.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-
jar/org/springframework/security/authentication/event/AuthenticationFailureProxyUntrustedEvent.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-
jar/org/springframework/security/core/context/SecurityContextHolderStrategy.java

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* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-
jar/org/springframework/security/crypto/keygen/BytesKeyGenerator.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-
jar/org/springframework/security/crypto/password/Digester.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-
jar/org/springframework/security/crypto/password/PasswordEncoder.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-
jar/org/springframework/security/crypto/keygen/SecureRandomBytesKeyGenerator.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-
jar/org/springframework/security/crypto/password/NoOpPasswordEncoder.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-
jar/org/springframework/security/crypto/encrypt/AesBytesEncryptor.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-
jar/org/springframework/security/crypto/util/EncodingUtils.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-
jar/org/springframework/security/crypto/password/PasswordEncoder.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-
jar/org/springframework/security/crypto/keygen/SecureRandomBytesKeyGenerator.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-
jar/org/springframework/security/crypto/password/NoOpPasswordEncoder.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-
jar/org/springframework/security/crypto/encrypt/AesBytesEncryptor.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-
jar/org/springframework/security/crypto/util/EncodingUtils.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-
jar/org/springframework/security/crypto/password/StandardPasswordEncoder.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-
jar/org/springframework/security/crypto/encrypt/HexEncodingTextEncryptor.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-
jar/org/springframework/security/crypto/keygen/SharedKeyGenerator.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-
jar/org/springframework/security/crypto/keygen/KeyGenerators.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-
jar/org/springframework/security/crypto/keygen/HexEncodingStringKeyGenerator.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-
jar/org/springframework/security/crypto/encrypt/CipherUtils.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3-
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 */
/**
 * Implementation of the MD4 message digest derived from the RSA Data Security, Inc, MD4 Message-Digest
 * Algorithm.
 *
 * @author Alan Stewart
 */

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* Reviews the `<code>Object</code>` returned from a secure object invocation, being able to modify the `<code>Object</code>` or throw an `{@link AccessDeniedException}`.
* Typically used to ensure the principal is permitted to access the domain object instance returned by a service layer bean. Can also be used to mutate the domain object instance so the principal is only able to access authorised bean properties or `<code>Collection</code>` elements.
* Special consideration should be given to using an `<code>AfterInvocationManager</code>` on bean methods that modify a database. Typically an `<code>AfterInvocationManager</code>` is used with read-only methods, such as `<code>public DomainObject getBypId(id)</code>`. If used with methods that modify a database, a transaction manager should be used to ensure any `<code>AccessDeniedException</code>` will cause a rollback of the changes made by the transaction.

@since 2.0.1
@since 3.0.0

@link TokenService

It is important that the keys assigned to tokens are sufficiently randomised and secured that they can serve as identifying a unique user session. Implementations of `{@link TokenService}` are free to use encryption or encoding strategies of their choice. It is strongly recommended that keys are of sufficient length to balance safety against persistence cost. In relation to persistence cost, it is strongly recommended that returned keys are small enough for encoding in a cookie.

@link TokenService
@since 2.0.1
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* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3.jar/org/springframework/security/core/token/Token.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3.jar/org/springframework/security/access/hierarchicalroles/RoleHierarchyImpl.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3.jar/org/springframework/security/access/hierarchicalroles/UserDetailsWrapper.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3.jar/org/springframework/security/access/hierarchicalroles/CycleInRoleHierarchyException.java
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3.jar/org/springframework/security/access/hierarchicalroles/UserDetailsServiceWrapper.java

No license file was found, but licenses were detected in source scan.

/**
* @param authentication represents the user in question. Should not be null.
* @param targetDomainObject the domain object for which permissions should be checked. May be null
* in which case implementations should return false, as the null condition can be checked explicitly
* in the expression.
* @param permission a representation of the permission object as supplied by the expression system. Not null.
* @return true if the permission is granted, false otherwise
*/

Found in path(s):
* /opt/cola/permits/1124846586_1611185740.38/0/spring-security-core-3-1-0-release-sources-3.jar/org/springframework/security/access/PermissionEvaluator.java
1.27 libxdata 2:1.6.4-3

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1.28 etc 1.0.0

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1.30 libxss-dev 1:1.2.3-1

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Metadata-Version: 2.0
Name: maglev-internal-api
Version: 1.5.7
Summary: Maglev Internal API Library (1.5.7)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: aiohttp (==2.2.5)
Requires-Dist: monotonic (==1.1)
Requires-Dist: python-etcd (==0.4.5)
Requires-Dist: yarl (==0.18.0)

# Installation
+ Requires: Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

Found in path(s):
* /opt/cola/permits/1172087257_1612152554.88/0/maglev-internal-api-1-5-7-dist-info-
zip/inputdir/packages_extracted/tar/1/packages_extracted/21/packages_extracted/opt/maglev/lib/python3.5/site-
packages/maglev_internal_api-1.5.7.dist-info/METADATA

1.48 telegraf-sidecar 1.7.20

1.48.1 Available under license:

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Metadata-Version: 2.0
Name: telegraf-sidecar
Version: 1.7.20
Summary: Telegraf Sidecar Service (1.7.20)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: MarkupSafe (==1.0)
Requires-Dist: aiohttp (==2.2.5)
Requires-Dist: chardet (==3.0.4)
Requires-Dist: idna (==2.7)
Requires-Dist: maglev-sidecar (~=1.7.0)
Requires-Dist: monotonic (==1.1)
Requires-Dist: yarl (==0.18.0)

Installation
+ Requires: Maglev app server
  
nose
  
- install the maglev_appserver wheel
- for development one can do python setup.py develop. this creates a symlink and therefore we do not need to
  install the whl for every small change
- to run the test we need to gradle :telegraf_sidecar:test

Found in path(s):
* /opt/cola/permits/1176275004_1624661915.56/0/telegraf-sidecar-1-7-20-dist-info-
zip/inputdir/packages_extracted/targz/1/packages_extracted/1/packages_extracted/21/telegraf
_sidecar-1.7.20.dist-info/METADATA

1.49 optimist 0.2.8
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1.50 elfutils-debuginfod-client 0.180-1.el8

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

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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 curator-client 2.10.0

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

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@heading TERMS AND CONDITIONS

@enumerate 0
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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

**HISTORY** -

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

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

Some other contributors:

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

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood. Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(agi@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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* m4/ax_func_which_gethostbyname_r.m4

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Version 3.1, 31 March 2009

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1.76 libkeyutils 1.5.9 9.2ubuntu2

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

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Upstream-Contact: David Howells <dhowells@redhat.com>
Source: http://people.redhat.com/~dhowells/keyutils/

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1.77 libbinutils 2.30 21ubuntu1~18.04.4

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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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and:

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

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

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

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Mersenne Twister

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

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

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-------

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

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L. Peter Deutsch
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Independent implementation of MD5 (RFC 1321).

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

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

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

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set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024
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/* nicstar.c v0.22  Jawaid Bazyar (bazyar@hypermall.com) */
/* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk) */
/* */
/* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc. */
/* http://www.hypermall.com/ */
/* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY */
/* interrupts us (except possibly for removal/insertion of the cable?) */
/* 10/4/97 - began heavy inline documentation of the code. Corrected typos */
/* and spelling mistakes. */
/* 10/5/97 - added code to handle PHY interrupts, disable PHY on */
/* loss of link, and correctly re-enable PHY when link is */
/* re-established. (put back CFG_PHYIE) */
/* */
/* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only. */
/* */
/* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997 */
/* */
/* Linux driver for the IDT77201 NICStAR PCI ATM controller. */
/* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155; */
/* see init_nicstar() for PHY initialization to change this. This driver */
/* expects the Linux ATM stack to support scatter-gather lists */
/* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push. */
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
*    combined, allow nicstar_free_rx_skb to be called to
*    recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
* *
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* M. Welsh, 6 July 1996
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2000-01-14

1.84 libbz 1.0.8-r1

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/**
 * Create a transactional EntityManager proxy for the given EntityManagerFactory.
 * @param emf EntityManagerFactory to obtain EntityManagers from as needed
 * @param properties the properties to be passed into the
 * <code>createEntityManager</code> call (may be <code>null</code>)
 * @param entityManagerInterfaces the interfaces to be implemented by the
 * EntityManager. Allows the addition or specification of proprietary interfaces.
 * @return a shareable transactional EntityManager proxy
 */

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* /opt/cola/permits/1112481273_1607094262.31/0/spring-orm-3-1-1-release-sources-jar/org/springframework/orm/jdo/JdoSystemException.java
* /opt/cola/permits/1112481273_1607094262.31/0/spring-orm-3-1-1-release-sources-jar/org/springframework/orm/hibernate3/support/ClobStringType.java
* /opt/cola/permits/1112481273_1607094262.31/0/spring-orm-3-1-1-release-sources-jar/org/springframework/orm/hibernate3/HibernateSystemException.java
* /opt/cola/permits/1112481273_1607094262.31/0/spring-orm-3-1-1-release-sources-jar/org/springframework/orm/hibernate3/HibernateQueryException.java
* /opt/cola/permits/1112481273_1607094262.31/0/spring-orm-3-1-1-release-sources-jar/org/springframework/orm/jdo/JdoUsageException.java

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

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DRuntime: Runtime Library for the D Programming Language

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Version 3.1, 31 March 2009

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Preamble
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1.98 systemd 237 3ubuntu10.44

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1.104 lodash.keys 3.1.2

1.104.1 Available under license:

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# lodash v4.5.1

The [lodash](https://lodash.com/) library exported as a [UMD](https://github.com/umdjs/umd) module.

Generated using [lodash-cli](https://www.npmjs.com/package/lodash-cli):
```
bash
$ npm run build
$ lodash -o ./dist/lodash.js
$ lodash core -o ./dist/lodash.core.js
```
## Community

## Documentation
* [API Documentation](https://lodash.com/docs)
* [FP Guide](https://github.com/lodash/lodash/wiki/FP-Guide)

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## Why Lodash?
Lodash makes JavaScript easier by taking the hassle out of working with arrays, numbers, objects, strings, etc. Lodash’s modular methods are great for:

* Iterating arrays, objects, & strings
* Manipulating & testing values
* Creating composite functions

## Module Formats
Lodash is available in a [variety of builds](https://lodash.com/custom-builds) & module formats.

* [lodash](https://www.npmjs.com/package/lodash) & [per method packages](https://www.npmjs.com/browse/keyword/lodash-modularized)
* [lodash-amd](https://www.npmjs.com/package/lodash-amd)
* [lodash/fp](https://github.com/lodash/lodash/tree/4.5.1-npm/fp)

## Further Reading
* [Contributing](https://github.com/lodash/lodash/blob/4.5.1/.github/CONTRIBUTING.md)
* [Release Notes](https://github.com/lodash/lodash/releases/tag/4.0.0)
* [Wiki (Changelog, Roadmap, etc.)](https://github.com/lodash/lodash/wiki)

Found in path(s):
* /opt/cola/permits/1128921657_1612120636.47/0/fis-components-lodash-keys-3-1-2-0-gc47407a-1-tar-gz/fis-components-lodash.keys-9efd785/README.md

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/*
* lodash 3.1.2 (Custom Build) <https://lodash.com/>
* Build: `lodash modern modularize exports="npm" -o .`.
* Copyright 2012-2015 The Dojo Foundation <http://dojofoundation.org/>
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*/

/**
 * Creates an array of the own enumerable property names of `object`.
 *
 * **Note:** Non-object values are coerced to objects. See the
 * [ES spec](http://ecma-international.org/ecma-262/6.0/#sec-object.keys)
 * for more details.
 *
 * @static
 * @memberOf _
 * @category Object
 * @param {Object} object The object to query.
 * @returns {Array} Returns the array of property names.
 * @example
 *
 * function Foo() {
 *   this.a = 1;
 *   this.b = 2;
 * }
 *
 * Foo.prototype.c = 3;
 *
 * _.keys(new Foo);
 * // => ['a', 'b'] (iteration order is not guaranteed)
 *
 * _.keys('hi');
 * // => ['0', '1']
 */

Found in path(s):
* /opt/cola/permits/1128921657_1612120636.47/0/fis-components-lodash-keys-3-1-2-0-gc47407a-1-tar-gz/fis-
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1.114 metrics-jvm 3.1.5

1.115 npm-lifecycle 3.1.4

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1.116 debian-archive-keyring 2019.1

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1.117 diffutils 1:3.7-3

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.5 of 10 December 2007

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1.125 sshpk 1.7.4

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1.126 g++ 4:7.4.0-1ubuntu2.3

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1.127 path-to-regexp 1.7.0

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This API enables you to delete licensing information.
Request

`DELETE /_xpack/license`

Description

When your license expires, X-Pack operates in a degraded mode. For more information, see [License Expiration](/license-expiration.html).

Authorization

You must have `manage` cluster privileges to use this API. For more information, see [Security Privileges](/security-privileges.html).

Examples

The following example queries the info API:

```javascript
DELETE _xpack/license
```

When the license is successfully deleted, the API returns the following response:

```javascript
{
  "acknowledged": true
}
```

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```java
"source","java",subs="attributes,callouts,macros"
```

include-tagged::{doc-tests}/LicensingDocumentationIT.java[delete-license-execute]

The returned `DeleteLicenseResponse` contains the `acknowledged` flag, which returns true if the request was processed by all nodes.

```java
"source","java",subs="attributes,callouts,macros"
```

include-tagged::{doc-tests}/LicensingDocumentationIT.java[delete-license-response]

<1> Check the acknowledge flag. It should be true if license deletion is acknowledged.

This request can be executed asynchronously:

```java
"source","java",subs="attributes,callouts,macros"
```

include-tagged::{doc-tests}/LicensingDocumentationIT.java[delete-license-execute-async]

<1> The `DeleteLicenseRequest` to execute and the `ActionListener` to use when the execution completes
The asynchronous method does not block and returns immediately. Once it is completed the `ActionListener` is called back using the `onResponse` method if the execution successfully completed or using the `onFailure` method if it failed.

A typical listener for `DeleteLicenseResponse` looks like:

```java
["source","java",subs="attributes,callouts,macros"]
```

<1> Called when the execution is successfully completed. The response is provided as an argument
<2> Called in case of failure. The raised exception is provided as an argument

```
Eigen,3.2.5,bdd17ee3b13a166cd5ec36dca4d4f3fafa774a,http://eigen.tuxfamily.org,MPL-2.0,
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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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This API enables you to update your license.

`PUT _xpack/license`

You can update your license at runtime without shutting down your nodes. License updates take effect immediately. If the license you are installing does not support all of the features that were available with your previous license, however, you are notified in the response. You must then re-submit the API request with the `acknowledge` parameter set to `true`.

For more information about the different types of licenses, see https://www.elastic.co/subscriptions.

`acknowledge`:
(boolean) Specifies whether you acknowledge the license changes. The default value is `false`.

`licenses`:
(array) A sequence of one or more JSON documents containing the license information.
#### Authorization

If `{es} {security-features}` are enabled, you need `manage` cluster privileges to install the license.

If `{es} {security-features}` are enabled and you are installing a gold or platinum license, you must enable TLS on the transport networking layer before you install the license. See `<<configuring-tls>>`.

[Float]

#### Examples

The following example updates to a basic license:

[source,js]
```
POST _xpack/license
{
  "licenses": [ 
  
  { 
    "uid"":"893361dc-9749-4997-93cb-802e3d7fa4xx", 
    "type":"basic", 
    "issue_date_in_millis":1411948800000, 
    "expiry_date_in_millis":1914278399999, 
    "max_nodes":1, 
    "issued_to":"issuedTo", 
    "issuer":"issuer", 
    "signature":"xx" 
  }

  ]
}
```

// CONSOLE

// TEST[skip:license testing issues]

NOTE: These values are invalid; you must substitute the appropriate content from your license file.

You can alternatively use a `curl` command, for example:

[source,js]
```
[source,shell]
```
curl -XPUT -u <user> 'http://<host>:<port>/_xpack/license' -H "Content-Type: application/json" -d @license.json
```

// NOTCONSOLE

On Windows machine, use the following command:
In these examples,

* `<user>` is a user ID with the appropriate authority.
* `<host>` is the hostname of the {es} node (‘localhost’ if executing locally)
* `<port>` is the http port (defaults to ‘9200’)
* `license.json` is the license JSON file

NOTE: If your {es} node has SSL enabled on the HTTP interface, you must start your URL with ‘https://’

If you previously had a license with more features than the basic license, you receive the following response:

```json
{
  "acknowledged": false,
  "license_status": "valid",
  "acknowledge": {
    "message": "This license update requires acknowledgement. To acknowledge the license, please read the following messages and update the license again, this time with the "acknowledge=true" parameter:"",
    "watcher": [
      "Watcher will be disabled"
    ],
    "logstash": [
      "Logstash will no longer poll for centrally-managed pipelines"
    ],
    "security": [
      "The following X-Pack security functionality will be disabled: ..."
    ]
  }
}
```

// NOTCONSOLE

To complete the update, you must re-submit the API request and set the `acknowledge` parameter to `true`. For example:

```json
POST _xpack/license?acknowledge=true
```
{
"licenses": [
{
"uid":"893361dc-9749-4997-93cb-802e3d7fa4xx",
"type":"basic",
"issue_date_in_millis":1411948800000,
"expiry_date_in_millis":1914278399999,
"max_nodes":1,
"issued_to":"issuedTo",
"issuer":"issuer",
"signature":"xx"
}
]
}
-----------------------------------------------------------// CONSOLE
// TEST[skip:license testing issues]
Alternatively:
[source,sh]
-----------------------------------------------------------curl -XPUT -u elastic 'http://<host>:<port>/_xpack/license?acknowledge=true' -H "Content-Type: application/json"
-d @license.json
-----------------------------------------------------------// NOTCONSOLE
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The snowball stemmers in

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\texttt{analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt},
\texttt{analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt},
\texttt{analysis/common/src/resources/org/apache/lucene/analysis/bn/stopwords.txt}


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OSXAdapter

Version: 2.0

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The art of simplicity is a puzzle of complexity.

## Overview ##

[YAML](http://yaml.org) is a data serialization format designed for human readability and interaction with scripting languages.

SnakeYAML is a YAML processor for the Java Virtual Machine.

## SnakeYAML features ##

* a **complete** [YAML 1.1 processor](http://yaml.org/spec/1.1/current.html). In particular, SnakeYAML can parse all examples from the specification.
* Unicode support including UTF-8/UTF-16 input/output.
* high-level API for serializing and deserializing native Java objects.
* support for all types from the [YAML types repository](http://yaml.org/type/index.html).
* relatively sensible error messages.

## Info ##

* [Changes](https://bitbucket.org/asomov/snakeyaml/wiki/Changes)
* [Documentation](https://bitbucket.org/asomov/snakeyaml/wiki/Documentation)

## Contribute ##

* Mercurial DVCS is used to dance with the [source code](https://bitbucket.org/asomov/snakeyaml/src).
* If you find a bug in SnakeYAML, please [file a bug report](https://bitbucket.org/asomov/snakeyaml/issues?status=new&status=open).
* You may discuss SnakeYAML at [the mailing list](http://groups.google.com/group/snakeyaml-core).

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[role="xpack"]
[testenv="basic"]
[[get-license]]
=== Get license API
++++
<titleabbrev>Get license</titleabbrev>
++++

This API enables you to retrieve licensing information.

[float]
==== Request

`GET /_xpack/license`

[float]
==== Description

This API returns information about the type of license, when it was issued, and
when it expires, for example.

For more information about the different types of licenses, see
https://www.elastic.co/subscriptions.

[float]
==== Query Parameters

`local`:
(boolean) Specifies whether to retrieve local information. The default value
is `false`, which means the information is retrieved from the master node.

[float]
==== Authorization

You must have `monitor` cluster privileges to use this API.
For more information, see [xpack-ref]/security-privileges.html[Security Privileges].

```
[float]
==== Examples

The following example provides information about a trial license:

[source.js]
--------------------------------------------------
GET _xpack/license
--------------------------------------------------
// CONSOLE

[source.js]
--------------------------------------------------
{
  "license": {
    "status": "active",
    "uid": "cbff45e7-c553-41f7-ae4f-9205eadb80xx",
    "type": "trial",
    "issue_date": "2018-10-20T22:05:12.332Z",
    "issue_date_in_millis": 1540073112332,
    "expiry_date": "2018-11-19T22:05:12.332Z",
    "expiry_date_in_millis": 1542665112332,
    "max_nodes": 1000,
    "issued_to": "test",
    "issuer": "elasticsearch",
    "start_date_in_millis": -1
  }
}
--------------------------------------------------
```

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```
=== Get License

[[java-rest-high-get-license]]

=== Execution

The license can be added or updated using the `getLicense()` method:

```
["source","java",subs="attributes,callouts,macros"]
--------------------------------------------------
include-tagged:::{doc-tests}/LicensingDocumentationIT.java[get-license-execute]
--------------------------------------------------

[[java-rest-high-get-license-response]]

=== Response

The returned `GetLicenseResponse` contains the license in the JSON format.

```
["source","java",subs="attributes,callouts,macros"]
--------------------------------------------------
include-tagged:::{doc-tests}/LicensingDocumentationIT.java[get-license-response]
--------------------------------------------------

<1> The text of the license.

[[java-rest-high-get-license-async]]

=== Asynchronous Execution

This request can be executed asynchronously:

```
["source","java",subs="attributes,callouts,macros"]
--------------------------------------------------
include-tagged::{doc-tests}/LicensingDocumentationIT.java[get-license-execute-async]

<1> The `GetLicenseRequest` to execute and the `ActionListener` to use when the execution completes

The asynchronous method does not block and returns immediately. Once it is completed the `ActionListener` is called back using the `onResponse` method if the execution successfully completed or using the `onFailure` method if it failed.

A typical listener for `GetLicenseResponse` looks like:

"source","java",subs="attributes,callouts,macros"

include-tagged::{doc-tests}/LicensingDocumentationIT.java[get-license-execute-listener]

<1> Called when the execution is successfully completed. The response is provided as an argument
<2> Called in case of failure. The raised exception is provided as an argument

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The license can be added or updated using the `putLicense()` method:

```
["source","java",subs="attributes,callouts,macros"]
--------------------------------------------------
include-tagged::{doc-tests}/LicensingDocumentationIT.java[put-license-execute]
--------------------------------------------------
<1> Set the categories of information to retrieve. The default is to return no information which is useful for checking if {xpack} is installed but not much else.
<2> A JSON document containing the license information.

[[java-rest-high-put-license-response]]
==== Response
The returned `PutLicenseResponse` contains the `LicensesStatus`, `acknowledged` flag and possible acknowledge messages. The acknowledge messages are present if you previously had a license with more features than one you are trying to update and you didn't set the `acknowledge` flag to `true`. In this case you need to display the messages to the end user and if they agree, resubmit the license with the `acknowledge` flag set to `true`. Please note that the request will still return a 200 return code even if requires an acknowledgement. So, it is necessary to check the `acknowledged` flag.

```java
include-tagged::{doc-tests}/LicensingDocumentationIT.java[put-license-response]

1. The status of the license
2. Make sure that the license is valid.
3. Check the acknowledge flag. It should be true if license is acknowledged.
4. Otherwise we can see the acknowledge messages in `acknowledgeHeader()`
5. and check component-specific messages in `acknowledgeMessages()`.
```

```java
include-tagged::{doc-tests}/LicensingDocumentationIT.java[put-license-execute-async]
```

This request can be executed asynchronously:

```java
include-tagged::{doc-tests}/LicensingDocumentationIT.java[put-license-execute-async]

1. The `PutLicenseRequest` to execute and the `ActionListener` to use when the execution completes
```

The asynchronous method does not block and returns immediately. Once it is completed the `ActionListener` is called back using the `onResponse` method if the execution successfully completed or using the `onFailure` method if it failed.

A typical listener for `PutLicenseResponse` looks like:

```java
include-tagged::{doc-tests}/LicensingDocumentationIT.java[put-license-execute-listener]
```

1. Called when the execution is successfully completed. The response is provided as an argument
2. Called in case of failure. The raised exception is provided as an argument

Elasticsearch X-Pack

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---
teardown:
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    body: |
    ["licenses":[{"uid":"3aa62ffe-36e1-4fad-bfdc-9df8301eb22","type":"trial","issue_date_in_millis":1523456691721,"expiry_date_in_millis":1838816691721,"max_nodes":5,"issued_to":"customer","issuer":"elasticsearch","signature":"AAAABAAAAA2kWNcuc+DT0lrlnYZKA
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YtcqN8mSBv1c77K+iwJSpALC2ZP9fnkRlwqXqBlTwfYn7xn9g9DKrOWru/spTPObo7jcepl8VTK6nWFen7/h
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H2EXYYb1OsSpBvUmhYMgErLg1k3/CbS0pCWLKOaX1xTMayosdZOjagU3auZXY=","start_date_in_millis":-1}]}---

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  - match: { license_status: "valid" }

- do:
  xpack.license.get: {}

## a license object has 11 attributes
- length: { license: 11 }

## bwc for licenses format
- do:
  xpack.license.post:
    acknowledge: true
    body: |
    {"licenses"}:[{"uid":"893361dc-9749-4997-93cb-802e3c7fa4a8","type":"gold","issue_date_in_millis":1411948800000,"expiry_date_in_millis":1914278399999,"max_nodes":1,"issued_to":"issued_to","issuer":"issuer","signature":"AAAAAwAAAA2T3vqbBETkQaBxgBxAAAABmc9ZN0jhfZDBGYnVyRXpCOWS5Bh3fjZDaXOWpSbTvOMZwUzRvXv1PSmxxaxkZdW5IMhITHNoN1N2XMvRfK4d3J7ZeX3R3RRZ0pzU3lobWJKZKvQSeFvao0ppTHBkWkprZWZSQ9iNnRQkws1SlpL0nDalZCS095MXRGN11I3plYcVvVTThFnrcTE2dzhJZmZrDFQrN3JQeGwxb0U0MXZ0dDJHSERizTVLOHNzSBwWnpoZEpzZHBEZjUrTVbXRENNSXnSwWjJlZaODzVmEzUjNiWtknwNGM5UuhQV2plauO4Q1OUm4MXNul0pSOehQaVB2aZhmUk9QVzhFeTFMoFIq0RnJSXG53MWk2X055c28zSmRnVkJb2JSQkFLV2VXUmVHNDD2R3o2VE1qVnQS2tIxOH5n5bUeRZINWWkZSvmJLWetuSU9wTTJENDVvT1NCYklaCuyYK2FwFwR9xa06ldDbmMzS5Gic3FWOTgzZ3UcXMvQktr2RUZwMFJnZzIL2d2dRrWUZuh6UG5pdENGWfReXNKvakE9PQAAAABZhvaoA0ttrrxhUZ1QbaTsKTna9C5KVq6pv8yg1pnsBpZCXl8kXSbgFoF1bXq611Jvfw5qmnYNi3hRThO9EyaCBqaLk8NZQ6Q7fRkQPsenBwAYUKZeKXsuBoOk4B4mzwCr8AmaKzoTeBTBbog+57caSU9y37Gkdd+1jXQCXqR+pOEU7gnXWZvE6oeRoLrCtt1fyn09k0CFAKTBptTaj6iZ3vTYYhees74X3Q9PRAvHax73T4U0EQDZQXZ/P1bSQ1WKbBRD5YQ1POYVjTyQIYdtXnLMxtEcakkAJTJLhpBEHST7kZWjrTS6J1dCDsJe7a8Vsj/78H4oIb"}]
  - match: { license_status: "valid" }

- do:
  xpack.license.get: {}
- match: { license_status: "valid" }

- do:
  xpack.license.get: {}

- length: { license: 11 }

## license version: 1.x

- do:
  xpack.license.post:
    acknowledge: true
    body: |
    

- match: { license_status: "valid" }

- do:
  xpack.license.get: {}

- length: { license: 11 }

## multiple licenses version: 1.x

- do:
  xpack.license.post:
    acknowledge: true
    body: |
    

- match: { license_status: "valid" }

- do:
  xpack.license.get: {}

- length: { license: 11 }

## multiple licenses version: 1.x

- do:
  xpack.license.post:
    acknowledge: true
    body: |
    

- match: { license_status: "valid" }

- do:
  xpack.license.get: {}
---

"Should throw 404 after license deletion":
- do:
  xpack.license.delete: {}
- match: { acknowledged: true }
- match: { license.delete: true }
- do:
  xpack.license.delete: {}
- catch: missing

---

"Should install a feature type license":

```bash
# VERSION_NO_FEATURE_TYPE license version
- do:
  xpack.license.post:
    acknowledge: true
```

---

"Should throw 404 after license deletion":
- do:
  xpack.license.delete: {}
- match: { license: true }
- do:
  xpack.license.delete: {}
- catch: missing

---

"Should install a feature type license":

```bash
# VERSION_NO_FEATURE_TYPE license version
- do:
  xpack.license.post:
    acknowledge: true
```
"Should fail gracefully when body content is not provided":

- do:
  catch: bad_request
  xpack.license.post:
    acknowledge: true

- match: { error.root_cause.0.reason: 'The license must be provided in the request body' }

"Current license is trial means not eligible to start trial":

- do:
  xpack.license.get_trial_status: {}

- match: { eligible_to_start_trial: false }

- do:
  xpack.license.post_start_basic:
    acknowledge: true

- match: { basic_was_started: true }

- do:
  xpack.license.get_trial_status: {}

- match: { eligible_to_start_trial: false }

- do:
  catch: forbidden
  xpack.license.post_start_trial:
    acknowledge: true

- match: { trial_was_started: false }
- match: { error_message: "Operation failed: Trial was already activated." }

"Trial license cannot be basic":

- do:
  catch: bad_request
  xpack.license.post_start_trial:
    type: "basic"
    acknowledge: true

"Can start basic license if do not already have basic":

- do:
  xpack.license.get_basic_status: {}

- match: { eligible_to_start_basic: true }
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1.138 exim4-config 4.84.2-2+deb8u4

1.138.1 Available under license:

This is Debian GNU/Linux's prepackaged version of exim, a powerful yet easy to configure mail transport agent.

This package was put together from the original sources which are maintained by Philip Hazel <ph10@cus.cam.ac.uk>, and which were obtained from

ftp://ftp.csx.cam.ac.uk/pub/software/email/exim/

Some modifications to the Makefiles have been made to fit with the Linux FHS.

The exim content filtering extension, formally known as the exiscan-acl patch, and which is included in exim4-daemon-heavy, was written by Tom Kistner <tom@duncanthrax.net>.

/* Copyright (c) Tom Kistner <tom@duncanthrax.net> 2003-???? */
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 2059
Debian Maintainer history:
- The Debian package for exim was originally made by Tim Cutts
  <tim@chiark.greenend.org.uk>.
- Mark Baker <mbaker@iee.org> took over until exim version 3 and is
  still involved with packaging.
- Steve Haslam, Hilko Bengen and Marc Haber generated the initial
  packages of Exim v4.
- The exim4 packages are currently maintained by
  - Core Team
    - (mh) Marc Haber <mh@debian-packages@zugschlus.de> (team leader)
    - (am) Andreas Metzler <ametzler@downhill.at.eu.org> (uploader)
  - Commit Privileges
    - (hb) Hilko Bengen <bengen@debian.org> (documentation, hacks etc)
    - (cb) Christian Perrier <bubulle@debian.org> (translations)

The following people helped in preparing the exim4 packages and gave
important feedback:
- Marc Merlin provides the dlopen patch, making it possible to load
  local_scan-routines for an external shared object.
  The original patch was written by David Woodhouse, it was modified first
  by Derrick 'dman' Hudson and afterwards by Marc Merlin.
- Sander Smeenk provided the TLS-docs and the script to generate the
  self-signed certificates.
- The people on the exim4debian list that submitted bug-reports and -fixes,
  and helped with design issues: Matthias Klose, Alexander Koch, Ola
  Lundqvist, Andrew Mulholland, David Pashley, Andreas Piesk, Nick Phillips
  and whoever I forgot to mention.
- syslog2eximlog script by Martin Godisch.
- Hilko Bengen converted the Debian documentation from plain-text to XML
  format.

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The use, supply or promotion of Exim for the purpose of sending bulk,
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which revolve around the free provision of a service that enhances the quality
of personal communications. The author of Exim regards indiscriminate
mass-mailing as an antisocial, irresponsible abuse of the Internet.

INCORPORATED CODE

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

A number of pieces of external code are included in the Exim distribution.

Support for the cdb (Constant DataBase) lookup method is provided by code
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This code implements Dan Bernstein's Constant DataBase (cdb) spec.
Information, the spec and sample code for cdb can be obtained from
http://www.pobox.com/~djb/cdb.html. This implementation borrows some code
from Dan Bernstein's implementation (which has no license restrictions applied to it).

The implementation is completely contained within the code of Exim. It does not link against an external cdb library.

- Client support for Microsoft’s "Secure Password Authentication" is provided by code contributed by Marc Prud’hommeaux. Server support was contributed by Tom Kistner. This includes code taken from the Samba project, which is released under the Gnu GPL.

- Support for calling the Cyrus "pwcheck" and "saslauthd" daemons is provided by code taken from the Cyrus-SASL library and adapted by Alexander S. Sabourenkov. The permission notice appears below, in accordance with the conditions expressed therein.

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The Exim Monitor program, which is an X-Window application, includes modified versions of the Athena StripChart and TextPop widgets. This code is copyright by DEC and MIT, and their permission notice appears below, in accordance with the conditions expressed therein.


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Some of the code to support the use of maildirsize files for maildir deliveries is taken from the Courier Imapd source code. This code is released under the GPL.
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283  2064

--
Philip Hazel            University of Cambridge Computing Service,
-----------------------------------------------------------------
src/pdkim/*

PDKIM - a RFC4871 (DKIM) implementation
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-----------------------------------------------------------------
-----------------------------------------------------------------
Generating a tarball from CVS snapshot.

Upstream is keeping sourcecode and documentation (including changelog) in
separate CVS modules: exim-src and exim-doc. However the release tarball
contains parts from both modules.

1. Use exim-src modules as base
2. Generate a doc subdirectory containing he contents of exim-doc/doc-txt/.
3. Take exim-doc and build the txt files You will need xfpt, xmlto, docbook-xsl
   and w3m.
cd doc-docbook ; make spec.txt filter.txt exim.8
Copy the three files to exim-version/doc/
This is a custom made configuration package for Debian GNU/Linux’s
prepackaged version of exim4, a powerful yet easy to configure mail
transport agent.

This package was originally made by create-custom-package, a script
written by Marc Haber <mh+debian-packages@zugschlus.de> using work
provided by Andreas Metzler <ametzler@downhill.at.eu.org>.
create-custom-package uses the exim4 source package to build this
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1.139 importlib-resources 3.2.1
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1.140 postgresql-client-11 11.12-
1.pgdg18.04+1
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1.141 jackson-core 2.6.3
1.141.1 Available under license :

# 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
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### 1.142 libuuid 2.31.1 0.4ubuntu3.7

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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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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

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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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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

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org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.148 lazy-cache 2.0.2

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1.150 json-stream 1.1.4

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1.154 normalize-package-data 2.4.0

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1.155 linux-firmware 1.173.19

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1.156 python-etcd 0.4.5

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- Metadata-Version: 1.1
- Name: python-etcd
- Version: 0.4.5
- Summary: A python client for etcd
- Home-page: http://github.com/jplana/python-etcd
- Author: Jose Plana
- Author-email: jplana@gmail.com
- License: MIT
- Description: python-etcd documentation

A python client for Etcd https://github.com/coreos/etcd

Official documentation: http://python-etcd.readthedocs.org/

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Installation
------------

Pre-requirements
~~~~~~~~~~~~~~~

This version of python-etcd will only work correctly with the etcd server version 2.0.x or later. If you are running an older version of etcd, please use python-etcd 0.3.3 or earlier.

This client is known to work with python 2.7 and with python 3.3 or above. It is not tested or expected to work in more outdated versions of python.

From source
~~~~~~~~~~

.. code:: bash

   $ python setup.py install

Usage
-----
The basic methods of the client have changed compared to previous versions, to reflect the new API structure; however a compatibility layer has been maintained so that you don't necessarily need to rewrite all your existing code.

Create a client object
~~~~~~~~~~~~~~~~~~~~~~

.. code:: python

   import etcd

   client = etcd.Client() # this will create a client against etcd server running on localhost on port 4001
   client = etcd.Client(port=4002)
   client = etcd.Client(host='127.0.0.1', port=4003)
   client = etcd.Client(host=('127.0.0.1', 4001), ('127.0.0.1', 4002), ('127.0.0.1', 4003))
   client = etcd.Client(host='127.0.0.1', port=4003, allow_redirect=False) # wont let you run sensitive commands on non-leader machines, default is true
   # If you have defined a SRV record for _etcd._tcp.example.com pointing to the clients
   client = etcd.Client(srv_domain='example.com', protocol="https")
   # create a client against https://api.example.com:443/etcd
   client = etcd.Client(host='api.example.com', protocol='https', port=443, version_prefix="/etcd")

Write a key
~~~~~~~~~~

.. code:: python

   client.write('/nodes/n1', 1)
   # with ttl
   client.write('/nodes/n2', 2, ttl=4)  # sets the ttl to 4 seconds
   client.set('/nodes/n2', 1) # Equivalent, for compatibility reasons.

Read a key
~~~~~~~~~~

.. code:: python

   client.read('/nodes/n2').value
   client.read('/nodes', recursive = True) #get all the values of a directory, recursively.
   client.get('/nodes/n2').value

   # raises etcd.EtcdKeyNotFound when key not found
   try:
     client.read('/invalid/path')
   except etcd.EtcdKeyNotFound:
     # do something
     print "error"
Delete a key
~~~~~~~~~~~~~~~~~~

.. code:: python

    client.delete('/nodes/n1')

Atomic Compare and Swap
~~~~~~~~~~~~~~~~~~~~~~~~

.. code:: python

    client.write('/nodes/n2', 2, prevValue = 4) # will set /nodes/n2 's value to 2 only if its previous value was 4
    client.write('/nodes/n2', 2, prevExist = False) # will set /nodes/n2 's value to 2 only if the key did not exist
    client.write('/nodes/n2', 2, prevIndex = 30) # will set /nodes/n2 's value to 2 only if the key was last modified
    client.test_and_set('/nodes/n2', 2, 4) #equivalent to client.write('/nodes/n2', 2, prevValue = 4)

You can also atomically update a result:

.. code:: python

    result = client.read('/foo')
    print(result.value) # bar
    result.value += u'bar'
    updated = client.update(result) # if any other client wrote '/foo' in the meantime this will fail
    print(updated.value) # barbar

Watch a key
~~~~~~~~~~~

.. code:: python

    client.read('/nodes/n1', wait = True) # will wait till the key is changed, and return once its changed
    client.read('/nodes/n1', wait = True, timeout=30) # will wait till the key is changed, and return once its
    client.read('/nodes/n1', wait = True, waitIndex = 10) # get all changes on this key starting from index 10
    client.watch('/nodes/n1') #equivalent to client.read('/nodes/n1', wait = True)
    client.watch('/nodes/n1', index = 10)

Refreshing key TTL
~~~~~~~~~~~~~~~~~~

(Since etcd 2.3.0) Keys in etcd can be refreshed without notifying current watchers.
This can be achieved by setting the refresh to true when updating a TTL.

You cannot update the value of a key when refreshing it.

.. code:: python

    client.write('/nodes/n1', 'value', ttl=30)  # sets the ttl to 30 seconds
    client.refresh('/nodes/n1', ttl=600)  # refresh ttl to 600 seconds, without notifying current watchers

Locking module
~~~~~~~~~~~~~~

.. code:: python

    # Initialize the lock object:
    # NOTE: this does not acquire a lock yet
    client = etcd.Client()
    # Or you can custom lock prefix, default is '/_locks/' if you are using HEAD
    client = etcd.Client(lock_prefix='/my_etcd_root/_locks')
    lock = etcd.Lock(client, 'my_lock_name')

    # Use the lock object:
    lock.acquire(blocking=True, # will block until the lock is acquired
                 lock_ttl=None) # lock will live until we release it
    lock.is_acquired # True
    lock.acquire(lock_ttl=60) # renew a lock
    lock.release() # release an existing lock
    lock.is_acquired # False

    # The lock object may also be used as a context manager:
    client = etcd.Client()
    with etcd.Lock(client, 'customer1') as my_lock:
        do_stuff()
        my_lock.is_acquired # True
        my_lock.acquire(lock_ttl=60)
        my_lock.is_acquired # False

Get machines in the cluster
~~~~~~~~~~~~~~~~~~~~~~~~~~

.. code:: python

    client.machines

Get leader of the cluster
~~~~~~~~~~~~~~~~~~~~~~~~
.. code:: python
client.leader

Generate a sequential key in a directory
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

.. code:: python
   x = client.write("/dir/name", "value", append=True)
   print("generated key: "+x.key)
   print("stored value: "+x.value)

List contents of a directory
~~~~~~~~~~~~~~~~~~~~~~~~~~~~

.. code:: python
   #stick a couple values in the directory
   client.write("/dir/name", "value1", append=True)
   client.write("/dir/name", "value2", append=True)

   directory = client.get("/dir/name")

   # loop through directory children
   for result in directory.children:
      print(result.key + ": "+result.value)

   # or just get the first child value
   print(directory.children.next().value)

Development setup
-----------------

To create a buildout.

.. code:: bash

   $ python bootstrap.py
   $ bin/buildout

to test you should have etcd available in your system path:

.. code:: bash

   $ bin/test
to generate documentation,

.. code:: bash

   $ cd docs
   $ make

Release HOWTO
------------

To make a release

1) Update release date/version in NEWS.txt and setup.py
2) Run 'python setup.py sdist'
3) Test the generated source distribution in dist/
4) Upload to PyPI: 'python setup.py sdist register upload'

News
====

0.4.5
-----

*Release date: 3-Mar-2017*

* Remove dnspython2/3 requirement
* Change property name setter in lock
* Fixed acl tests
* Added version/cluster_version properties to client
* Fixes in lock when used as context manager
* Fixed improper usage of urllib3 exceptions
* Minor fixes for error classes
* In lock return modifiedIndex to watch changes
* In lock fix context manager exception handling
* Improvements to the documentation
* Remove _base_uri only after refresh from cluster
* Avoid double update of _machines_cache

0.4.4
-----

*Release date: 10-Jan-2017*

* Fix some tests
* Use sys,version_info tuple, instead of named tuple
* Improve & fix documentation
* Fix python3 specific problem when blocking on contented lock
* Add refresh key method
* Add custom lock prefix support
**0.4.3**

*Release date: 14-Dec-2015*

* Fix check for parameters in case of connection error
* Python 3.5 compatibility and general python3 cleanups
* Added authentication and module for managing ACLs
* Added srv record-based DNS discovery
* Fixed (again) logging of cluster id changes
* Fixed leader lookup
* Properly retry request on exception
* Client: clean up open connections when deleting

**0.4.2**

*Release date: 8-Oct-2015*

* Fixed lock documentation
* Fixed lock sequences due to etcd 2.2 change
* Better exception management during response processing
* Fixed logging of cluster ID changes
* Fixed subtree results
* Do not check cluster ID if etcd responses don't contain the ID
* Added a cause to EtcdConnectionFailed

**0.4.1**

*Release date: 1-Aug-2015*

* Added client-side leader election
* Added stats endpoints
* Added logging
* Better exception handling
* Check for cluster ID on each request
* Added etcd.Client.members and fixed etcd.Client.leader
* Removed locking and election etcd support
* Allow the use of etcd proxies with reconnections
* Implement pop: Remove key from etc and return the corresponding value.
* Eternal watcher can be now recursive
* Fix etcd.Client machines
* Do not send parameters with `None` value to etcd
* Support ttl=0 in write.
* Moved pyOpenSSL into test requirements.
* Always set certificate information so redirects from http to https work.
0.3.3
-----
*Release date: 12-Apr-2015*

* Forward leaves_only value in get_subtree() recursive calls
* Fix README prevExists->prevExist
* Added configurable version_prefix
* Added support for recursive watch
* Better error handling support (more detailed exceptions)
* Fixed some unreliable tests

0.3.2
-----

*Release date: 4-Aug-2014*

* Fixed generated documentation version.

0.3.1
-----

*Release date: 4-Aug-2014*

* Added consisten read option
* Fixed timeout parameter in read()
* Added atomic delete parameter support
* Fixed delete behaviour
* Added update method that allows atomic updated on results
* Fixed checks on write()
* Added leaves generator to EtdcResult and get_subtree for recursive fetch
* Added etcd_index to EtdcResult
* Changed eternal -> eternal
* Updated urllib3 & pyOpenSSL libraries
* Several performance fixes
* Better parsing of etcd_index and raft_index
* Removed duplicated tests
* Added several integration and unit tests
* Use etcd v0.3.0 in travis
* Execute test using `python setup.py test` and nose

0.3.0
-----

*Release date: 18-Jan-2014*
* API v2 support
* Python 3.3 compatibility

0.2.1
-----

*Release data: 30-Nov-2013*

* SSL support
* Added support for subdirectories in results.
* Improve test
* Added support for reconnections, allowing death node tolerance.

0.2.0
-----

*Release date: 30-Sep-2013*

* Allow fetching of multiple keys (sub-nodes)

0.1
---

*Release date: 18-Sep-2013*

* Initial release

Keywords: etcd raft distributed log api client
Platform: UNKNOWN
Classifier: Topic :: System :: Distributed Computing
Classifier: Topic :: Software Development :: Libraries
Classifier: License :: OSI Approved :: MIT License
Classifier: Programming Language :: Python :: 2
Classifier: Programming Language :: Python :: 3
Classifier: Topic :: Database :: Front-Ends

Found in path(s):
* /opt/cola/permits/1112217808_1607049972.97/0/python-etcd-0-4-5-1-tar-gz/python-etcd-0.4.5/src/python_etcd.egg-info/PKG-INFO
* /opt/cola/permits/1112217808_1607049972.97/0/python-etcd-0-4-5-1-tar-gz/python-etcd-0.4.5/PKG-INFO

No license file was found, but licenses were detected in source scan.

from setuptools import setup, find_packages
import sys, os
here = os.path.abspath(os.path.dirname(__file__))
README = open(os.path.join(here, 'README.rst')).read()
NEWS = open(os.path.join(here, 'NEWS.txt')).read()

version = '0.4.5'

install_requires = [
    'urllib3>=1.7.1',
    'dnspython>=1.13.0'
]

test_requires = [
    'mock',
    'nose',
    'pyOpenSSL>=0.14'
]

setup(
    name='python-etcd',
    version=version,
    description="A python client for etcd",
    long_description=README + '

' + NEWS,
    classifiers=[
        "Topic :: System :: Distributed Computing",
        "Topic :: Software Development :: Libraries",
        "License :: OSI Approved :: MIT License",
        "Programming Language :: Python :: 2",
        "Programming Language :: Python :: 3",
        "Topic :: Database :: Front-Ends",
    ],
    keywords='etcd raft distributed log api client',
    author='Jose Plana',
    author_email='jplana@gmail.com',
    url='http://github.com/jplana/python-etcd',
    license='MIT',
    packages=find_packages('src'),
    package_dir = {'': 'src'},
    include_package_data=True,
    zip_safe=False,
    install_requires=install_requires,
    tests_require=test_requires,
    test_suite='nose.collector',
)

Found in path(s):
* /opt/cola/permits/1112217808_1607049972.97/0/python-etcd-0-4-5-1-tar-gz/python-etcd-0.4.5/setup.py
1.157 ecc-jsbn 0.1.1

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1.158 libbind 1:9.10.3.dfsg.P4 8ubuntu1.19

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1.159 libnfsidmap 0.25 5

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1.160 dh-python 2.20151103ubuntu1.1

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1.161 libfreetype 2.6.1 0.1ubuntu2.5

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#
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#
builds/unix/pkg.m4
#
docs/FTL.TXT
docs/GPLv2.TXT
#
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/bdllib.c
src/bdf/module.mk
src/bdf/README
src/bdf/rules.mk
#
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
src/pcf/pcfutil.h
src/pcf/README
src/pcf/rules.mk
#
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
#
src/tools/ftrandom/ftrandom.c
#
# EOF
1.162 pykube 0.15.0

1.162.1 Available under license:

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Metadata-Version: 1.1
Name: pykube
Version: 0.15.0
Summary: Python client library for Kubernetes
Home-page: https://github.com/kelproject/pykube
Author: Eldarion, Inc.
Author-email: development@eldarion.com
License: Apache
Description: pykube

======

.. image:: http://slack.kelproject.com/badge.svg
   :target: http://slack.kelproject.com/

.. image:: https://img.shields.io/travis/kelproject/pykube.svg
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Python client library for Kubernetes

.. image:: https://storage.googleapis.com/kel-assets/kel_full-02_200.jpg
   :target: http://kelproject.com/

Kel is an open source Platform as a Service (PaaS) from Eldarion, Inc. that makes it easy to manage web application deployment and hosting through the entire lifecycle from development through testing to production. It adds components and tools on top of Kubernetes that help developers manage their application infrastructure. Kel builds on Eldarion’s 7+ years experience running one of the leading Python and Django PaaSes.

For more information about Kel, see `kelproject.com`_, follow us on Twitter `@projectkel`_, and join our `Slack team`_.

.. _kelproject.com: http://kelproject.com/
Features
--------

* HTTP interface using requests using kubeconfig for authentication
* Python native querying of Kubernetes API objects

Installation
------------

To install pykube, use pip:

    pip install pykube

Usage
-----

Query for all ready pods in a custom namespace:

.. code:: python

    import operator
    import pykube

    api = pykube.HTTPClient(pykube.KubeConfig.from_file("/Users/<username>/.kube/config"))
    pods = pykube.Pod.objects(api).filter(namespace="gondor-system")
    ready_pods = filter(operator.attrgetter("ready"), pods)

Selector query:

.. code:: python

    pods = pykube.Pod.objects(api).filter(
        namespace="gondor-system",
        selector={"gondor.io/name__in": ["api-web", "api-worker"]},
    )
    pending_pods = pykube.objects.Pod.objects(api).filter(
        field_selector={"status.phase": "Pending"}
    )

Watch query:

.. code:: python

    watch = pykube.Job.objects(
        api,
namespace="gondor-system")
  .filter(field_selector={"metadata.name":"my-job"})
  .watch()

# watch is a generator:
for watch_event in watch:
    print(watch.type) # 'ADDED', 'DELETED', 'MODIFIED'
    print(watch.object) # pykube.Job object

Create a ReplicationController:

.. code:: python

    obj = {
    "apiVersion": "v1",
    "kind": "ReplicationController",
    "metadata": {
        "name": "my-rc",
        "namespace": "gondor-system"
    },
    "spec": {
        "replicas": 3,
        "selector": {
            "app": "nginx"
        },
        "template": {
            "metadata": {
                "labels": {
                    "app": "nginx"
                }
            },
            "spec": {
                "containers": [
                    {
                        "name": "nginx",
                        "image": "nginx",
                        "ports": ["containerPort": 80]
                    }
                ]
            }
        }
    }
    }
pykube.ReplicationController(api, obj).create()

Delete a ReplicationController:
.. code:: python

    obj = {
        "apiVersion": "v1",
        "kind": "ReplicationController",
        "metadata": {
            "name": "my-rc",
            "namespace": "gondor-system"
        }
    }

    pykube.ReplicationController(api, obj).delete()

Check server version:

.. code:: python

    api = pykube.HTTPClient(pykube.KubeConfig.from_file("/Users/<username>/kube/config"))

    api.version

Requirements
------------

* Python 2.7 or 3.3+
* requests (included in `install_requires`)  
* PyYAML (included in `install_requires`) 

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---

Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 2241
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-------------

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Platform: UNKNOWN
Classifier: Development Status :: 3 - Alpha
Classifier: Environment :: Web Environment
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: Apache Software License
Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python

Found in path(s):
* /opt/cola/permits/1112217860_1607050221.91/0/pykube-0-15-0-1-tar-gz/pykube-0.15.0/PKG-INFO
* /opt/cola/permits/1112217860_1607050221.91/0/pykube-0-15-0-1-tar-gz/pykube-0.15.0/pykube.egg-info/PKG-INFO

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* /opt/cola/permits/1112217860_1607050221.91/0/pykube-0-15-0-1-tar-gz/pykube-0.15.0/README.rst

1.163 normalize-package-data 2.3.5

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1.164 libtimedate-perl 2.3000 2

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=head1 NAME
Date::Language::Hungarian - Magyar format for Date::Format

=head1 SYNOPSIS

my $lang = Date::Language->new('Hungarian');
print $lang->time2str("%a %b %e %T %Y", time);

@lt = localtime(time);
print $lang->time2str($template, time);
print $lang->strftime($template, @lt);
print $lang->time2str($template, time, $zone);
print $lang->strftime($template, @lt, $zone);

print $lang->ctime(time);
print $lang->asctime(@lt);
print $lang->ctime(time, $zone);
print $lang->asctime(@lt, $zone);

See L<Date::Format>.

=head1 AUTHOR
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=encoding utf8

=head1 NAME

Date::Language::Bulgarian - localization for Date::Format

=head1 DESCRIPTION

This is Bulgarian localization for Date::Format.
It is important to note that this module source code is in utf8.
All strings which it outputs are in utf8, so it is safe to use it
currently only with English. You are left alone to try and convert
the output when using different Date::Language::* in the same application.
This should be addressed in the future.

=head1 SYNOPSIS

use strict;
use warnings;
use Date::Language;
local $|=/$;
my $template = '%a %b %e %T %Y (%Y-%m-%d %H:%M:%S);
my $time = 129083821; #or just use time();
my \@lt = localtime($time);
my %languages = qw(English GMT German EEST Bulgarian EET);
binmode(select:'utf8');

foreach my $l(keys %languages){
    my $lang = Date::Language->new($l);
    my $zone = $languages{$l};
    print $/. "$l $zone"
    print $lang->time2str($template, $time);
    print $lang->time2str($template, $time, $zone);
    print $lang->strftime($template, \@lt);
AUTHOR

Krasimir Berov (berov@cpan.org)

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=cut

Found in path(s):
* /opt/cola/permits/1130846025_1612828736.73/0/timedate-2-30-tar-gz/TimeDate-2.30/lib/Date/Language/Bulgarian.pm

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This is the perl5 TimeDate distribution. It requires perl version 5.003 or later

This distribution replaces my earlier GetDate distribution, which was only a date parser. The date parser contained in this distribution is far superior to the yacc based parser, and a *lot* faster.

The parser contained here will only parse absolute dates, if you want a date parser that can parse relative dates then take a look at the Time modules by David Muir on CPAN.

You install the library by running these commands:

perl Makefile.PL
make
make test
make install

Please report any bugs/suggestions to <gbarr@pobox.com>

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Found in path(s):
* /opt/cola/permits/1130846025_1612828736.73/0/timedate-2-30-tar-gz/TimeDate-2.30/lib/Date/Parse.pm
* /opt/cola/permits/1130846025_1612828736.73/0/timedate-2-30-tar-gz/TimeDate-2.30/lib/Date/Format.pm

No license file was found, but licenses were detected in source scan.

---
abstract: unknown
author:
- 'Graham Barr <gbarr@pobox.com>'
build_requires:
  ExtUtils::MakeMaker: 0
configure_requires:
  ExtUtils::MakeMaker: 0
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 6.64, CPAN::Meta::Converter version 2.120921'
license: perl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: TimeDate
no_index:
directory:
  - t
  - inc
requires: {}
resources:
  repository: http://github.com/gbarr/perl-TimeDate
  version: 2.30

Found in path(s):
* /opt/cola/permits/1130846025_1612828736.73/0/timedate-2-30-tar-gz/TimeDate-2.30/META.yml

1.165 gnutls 3.6.15-r1
1.165.1 Available under license :

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Version 2.1, February 1999

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```

1.166 aws4 1.11.0

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1.167 libkrb 1.13.2+dfsg 5

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lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mach/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
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```python
lib/class/gssapi/generic/gssapi_err_generic.c
lib/class/gssapi/mechglue/g_accept_sec_context.c
lib/class/gssapi/mechglue/g_acquire_cred.c
lib/class/gssapi/mechglue/g_canon_name.c
lib/class/gssapi/mechglue/g_compare_name.c
lib/class/gssapi/mechglue/g_context_time.c
lib/class/gssapi/mechglue/g_fini.c
lib/class/gssapi/mechglue/g_init.c
lib/class/gssapi/mechglue/g_krb5.c
lib/class/gssapi/mechglue/g_set_time.c
lib/class/gssapi/mechglue/g_time.c
lib/class/gssapi/mechglue/g_ticket.c
```
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 2303
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```python
include
```
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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
    slave/kpropd_rpc.c
    slave/kproplog.c

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permission. Furthermore if you modify this software you must label
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])

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    # This program is intended to be used by "make check-copyright". It
    # checks for violations of the coding standards related to copyright
    # and license statements in source code comments.
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)
/* -*- mode: c; c-basic-offset: 4; indent-tabs-mode: nil -*- */
/*
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lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
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
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1.186 lucene-backward-codecs 7.3.1

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

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

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mecab-ipadic-2.7.0-20070801

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1.187 ini 1.3.5

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1.188 influxdb-java 2.5

1.189 thrift 0.11.0

1.190 event-stream 0.5.3

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1.191 nconf 0.8.4

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1.192 stringstream 0.0.6

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1.193 kong-sidecar 1.7.27
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Metadata-Version: 2.0
Name: kong-sidecar
Version: 1.7.27
Summary: Kong Sidecar Service (1.7.27)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: MarkupSafe (==1.0)
Requires-Dist: cassandra-driver (==3.11.0)
Requires-Dist: maglev-api (<=1.7.0)
Requires-Dist: maglev-sidecar (<=1.7.0)
Requires-Dist: rsa (==4.5)
Requires-Dist: setuptools (==41.2.0)
Requires-Dist: setuptools-scm (==3.4.3)
Requires-Dist: toml (==0.10.0)
Requires-Dist: zipp (==1.0.0)

# Sidecar for managed service
+ Requires: Python 3.5 download the dmg and install, use pyenv to create a virtual environment

Found in path(s):
* /opt/cola/permits/1176008986_1624569975.71/0/kong-sidecar-1-7-27-dist-info-
zip/inputdir/packages_extracted/targz/1/packages_extracted/3/packages_extracted/3/packages_extracted/33/kong_sidecar-1.7.27.dist-info/METADATA

1.194 libfftw3-double3 3.3.8-2
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Files: src/udev/udev-ctrl.c
src/udev/udevadm-hwdb.c
src/udev/udev-builtin.c
src/udev/udev-builtin-net_id.c
src/udev/udev-builtin-net_setup_link.c
src/udev/udev-builtin-hwdb.c
src/udev/udev-builtin-btrfs.c
src/udev/udev-builtin-keyboard.c
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menu, a prominent item in the list meets this criterion.

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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@miiname.miia.oz.au), Michel Schinz, and
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.
Thomas Funke (thf@zelator.in-berlin.de(?)) and
Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and
Dave Dettels(dettels@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks(agi@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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Zstd-jni: JNI bindings to Zstd Library

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1.205 python-minimal 3.6.7 1~18.04
1.205.1 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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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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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

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* java.sun.security.ssl
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org.ow2.asm:asm-commons
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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
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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

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1.210 python-hyperlink 17.3.1-2

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The End

1.213 haproxy 1.7.12-1ppa1~xenial

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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.

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1.218 mutex_m 0.1.0

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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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1.227 org.joda.joda-convert 1.7

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* /opt/ws_local/PERMITS_SQL/1022263252_1596470156.63/0/kibana-zip/kibana/public/visualize/embeddable/visualize_embeddable_factory.ts
* /opt/ws_local/PERMITS_SQL/1022263252_1596470156.63/0/kibana-zip/kibana/common/field_formats/types/__tests__/__duration.js
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## 1.229 icu-devtools 63.1-6

### 1.229.1 Available under license:

```makefile
# -*-makefile-*-
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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,-Bsymbalic

## Shared object suffix
SO = so
## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules
%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<
%.$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
```
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \
 | sed "\s/([^/])\o. [:]*A1.o $@ : /g" > $@; \
 | -s $@ ] || rm -f $@’

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \
 | sed "\s/([^/])\o. [:]*A1.o $@ : /g" > $@; \
 | -s $@ ] || rm -f $@’

## Versioned libraries rules
%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s ${*F}.$(SO).$(SO_TARGET_VERSION) $@

## Bind internal references

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

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

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

## End BSD-specific setup
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1.231 python3-constantly 15.1.0-1

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1.233 base-files 8+deb8u9

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

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analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
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analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/es/SpanishMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishMinimalStemmer.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/it/ItalianMinimalStemmer.java
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1.249 libxml 2.9.1+dfsg1-5+deb8u5

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1.250 libpammodulesbin 1.1.8

3.6ubuntu2.18.04.2

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1.251 net-snmp-agent-libs 5.8-r3

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package gnu.classpath.tools.taglets;

import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.tools.doclets.Tag;

/**
 * A simple Taglet which handles Copyright information.
 */
public class CopyrightTaglet implements Taglet {

    private static final String NAME = "copyright";
    private static final String HEADER = "Copyright:";

    public String getName() {
        return NAME;
    }
}
public boolean inField() {
    return true;
}

public boolean inConstructor() {
    return true;
}

public boolean inMethod() {
    return true;
}

public boolean inOverview() {
    return true;
}

public boolean inPackage() {
    return true;
}

public boolean inType() {
    return true;
}

public boolean isInlineTag() {
    return false;
}

public static void register(Map tagletMap) {
    CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
    tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
}

public String toString(Tag tag) {
    return toString(new Tag[] { tag });
}

public String toString(Tag[] tags) {
    if (tags.length == 0) {
        return null;
    }
    else {
        boolean haveValidTag = false;
        for (int i = 0; i < tags.length && !haveValidTag; ++i) {
            if (tags[i].text().length() > 0) {
                haveValidTag = true;
            }
        }
    }
}
if (haveValidTag) {
    StringBuffer result = new StringBuffer();
    result.append("<dl>");
    for (int i = 0; i < tags.length; i++) {
        if (tags[i].text().length() > 0) {
            result.append("<dt><i>Copyright &copy; " + tags[i].text() + "</dt>\n") + "" + tags[i].text() + "</dt>\n") + "";
        }
    }
    result.append("</dl>");
    return result.toString();
} else {
    return null;
}

Jan 21, 2002

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Ty Coon, President of Vice

That's all there is to it!

// DO NOT EDIT THIS FILE - it is machine generated -*- c++ -*-

#ifndef __java_security_Permission__
#define __java_security_Permission__

#pragma interface

#include <java/lang/Object.h>
extern "Java"
{
namespace java
{
namespace security
{
class Permission;
class PermissionCollection;
}
}
}
class java::security::Permission : public ::java::lang::Object
{

public:
    Permission(::java::lang::String *);
    virtual void checkGuard(::java::lang::Object *);
    virtual jboolean implies(::java::security::Permission *) = 0;
    virtual jboolean equals(::java::security::Permission *) = 0;
    virtual jint hashCode() = 0;
    virtual ::java::lang::String * getName();
    virtual ::java::lang::String * getActions() = 0;
    virtual ::java::security::PermissionCollection * newPermissionCollection();
    virtual ::java::lang::String * toString();
private:
    static const jlong serialVersionUID = -563657022231596674LL;
    ::java::lang::String * __attribute__((aligned(__alignof__( ::java::lang::Object)))) name;
public:
    static ::java::lang::Class class$;
};

#endif // __java_security_Permission__
@ignore
@c Set file name and title for man page.
@setfilename gpl
@settitle GNU General Public License
@c man begin SEEALSO
gfdl(7), fsf-funding(7).
@c man end
@c man begin COPYRIGHT
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@c man end
@end ignore
@node Copying
@c man begin DESCRIPTION
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@smallexample

@var{one line to give the program's name and a brief idea of what it does.}

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@end smallexample

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@c man end

/* Permission.java -- The superclass for all permission objects

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package java.security;

import gnu.java.lang.CPStringBuilder;

import java.io.Serializable;

/**
 * This class is the abstract superclass of all classes that implement
 * the concept of a permission. A permission consists of a permission name
 * and optionally a list of actions that relate to the permission. The
 * actual meaning of the name of the permission is defined only in the
 * context of a subclass. It may name a resource to which access permissions
 * are granted (for example, the name of a file) or it might represent
 * something else entirely. Similarly, the action list only has meaning
 * within the context of a subclass. Some permission names may have no
 * actions associated with them. That is, you either have the permission
 * or you don't.
 * 
 * <p>The most important method in this class is <code>implies</code>. This
 * checks whether if one has this permission, then the specified
 * permission is also implied. As a conceptual example, consider the
 * permissions "Read All Files" and "Read File foo". The permission
 * "Read All Files" implies that the caller has permission to read the
 * file foo.
 */
* <p><code>Permission</code>'s must be immutable - do not change their state after creation.
* @author Aaron M. Renn (arenn@urbanophile.com)
* @see Permissions
* @see PermissionCollection
* @since 1.1
* @status updated to 1.4
*/
public abstract class Permission implements Guard, Serializable
{
/**
 * Compatible with JDK 1.1+.
 */
private static final long serialVersionUID = -5636570222231596674L;

/**
 * This is the name assigned to this permission object.
 *
 * @serial the name of the permission
 */
private String name;

/**
 * Create an instance with the specified name.
 *
 * @param name the permission name
 */
public Permission(String name)
{
    this.name = name;
}

/**
 * This method implements the <code>Guard</code> interface for this class.
 * It calls the <code>checkPermission</code> method in <code>SecurityManager</code> with this <code>Permission</code> as its argument. This method returns silently if the security check succeeds or throws an exception if it fails.
 *
 * @param obj the <code>Object</code> being guarded - ignored by this class
 * @throws SecurityException if the security check fails
 * @see GuardedObject
 * @see SecurityManager#checkPermission(Permission)
 */
public void checkGuard(Object obj)
{
SecurityManager sm = System.getSecurityManager();
if (sm != null)
    sm.checkPermission(this);
}

/**
 * This method tests whether this <code>Permission</code> implies that the
 * specified <code>Permission</code> is also granted.
 * @param perm the <code>Permission</code> to test against
 * @return true if perm is implied by this
 */
public abstract boolean implies(Permission perm);

/**
 * Check to see if this object equals obj. Use <code>implies</code>, rather
 * than <code>equals</code>, when making access control decisions.
 * @param obj the object to compare to
 */
public abstract boolean equals(Object obj);

/**
 * This method returns a hash code for this <code>Permission</code>. It
 * must satisfy the contract of <code>Object.hashCode</code>: it must be
 * the same for all objects that equals considers to be the same.
 * @return a hash value
 */
public abstract int hashCode();

/**
 * Get the name of this <code>Permission</code>.
 * @return the name
 */
public final String getName()
{
    return name;
}

/**
 * This method returns the list of actions for this <code>Permission</code>
 * as a <code>String</code>. The string should be in canonical order, for
 * example, both <code>new FilePermission(f, "write,read")</code> and
 * <code>new FilePermission(f, "read,write")</code> have the action list
 * "read,write".
 *
 */
public abstract String getActions();

/**
 * This method returns an empty <code>PermissionCollection</code> object
 * that can store permissions of this type, or <code>null</code> if no
 * such collection is defined. Subclasses must override this to provide
 * an appropriate collection when one is needed to accurately calculate
 * <code>implies</code>.
 * 
 * @return a new <code>PermissionCollection</code>
 */
public PermissionCollection newPermissionCollection()
{
    return null;
}

/**
 * This method returns a <code>String</code> representation of this
 * <code>Permission</code> object. This is in the format:
 * <code>'(' + getClass().getName() + ' ' + getName() + ' ' + getActions
 * + ')' </code>
 * 
 * @return this object as a <code>String</code>
 */
public String toString()
{
    CPStringBuilder string = new CPStringBuilder();
    string = string.append('"');
    string = string.append(getClass().getName());
    string = string.append('"');
    string = string.append(getName());
    string = string.append('"');
    string = string.append(getActions());
    string = string.append('"');
    return string.toString();
}
} // class Permission

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Version 2.1, February 1999

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

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

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

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

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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subsequent copies and derivative works made from that copy.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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  </para>

  <para>
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</orderedlist>

<bridgehead xml:id="gpl-3-termination" renderas="sect1">
  8. Termination.
</bridgehead>

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#!/usr/bin/python
#
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#
# This script is free software; you can redistribute it and/or modify
# it under the terms of the GNU General Public License as published by
# the Free Software Foundation; either version 3, or (at your option)
# any later version.
#
# This script adjusts the copyright notices at the top of source files
# so that they have the form:
#
# Copyright XXXX-YYYY Free Software Foundation, Inc.
#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
# update-copyright.pl --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
# update-copyright.pl --this-year libjava
#
# would run the script on just libjava/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__(self):
        self.num_errors = 0

    def report(self, filename, string):
        if filename:
            string = filename + ':' + string
        sys.stderr.write(string + '
')
        self.num_errors += 1

    def ok(self):
        return self.num_errors == 0

class GenericFilter:
    def __init__(self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set(['
            # Skip licence files.
            'COPYING',
            'COPYING.LIB',
            'COPYING3',
            ])
'COPYING3.LIB',
'LICENSE',
'fdl.texi',
'gpl_v3.texi',
'fdl-1.3.xml',
'gpl-3.0.xml',

# Skip auto- and libtool-related files
'aclocal.m4',
'compile',
'config.guess',
'config.sub',
'depcomp',
'install-sh',
'libtool.m4',
'ltmain.sh',
'ltversion.m4',
'lt--obsolete.m4',
'missing',
'mkdep',
'mkinstalldirs',
'move-if-change',
'shlibpath.m4',
'symlink-tree',
'ylwrap',

# Skip FSF mission statement, etc.
'gnu.texi',
'funding.texi',
'appendix_free.xml',

# Skip imported texinfo files.
'texinfo.tex',
)

def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile ('	')
    return None

def skip_file (self, dir, filename):
    if filename in self.skip_files:
        return True
(base, extension) = os.path.splitext (os.path.join (dir, filename))
if extension in self.skip_extensions:
    return True

if extension == '.in':
    # Skip .in files produced by automake.
    if os.path.exists (base + '.am'):
        return True

    # Skip files produced by autogen
    if (os.path.exists (base + '.def')
        and os.path.exists (base + '.tpl')):
        return True

    # Skip configure files produced by autoconf
    if filename == 'configure':
        if os.path.exists (base + '.ac'):
            return True
        if os.path.exists (base + '.in'):
            return True

    return False

def skip_dir (self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file (self, dir, filename):
    if filename in self.fossilised_files:
        return True

    # Only touch current ChangeLogs.
    if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
        return True

    return False

def by_package_author (self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__ (self, errors):
        self.errors = errors

        # Characters in a range of years.  Include '.' for typos.
        ranges = '[0-9](?:[-0-9,.\s]+and\s+)*[0-9]'

        # Non-whitespace characters in a copyright holder's name.
        name = '\w,-'
# Matches one year.
self.year_re = re.compile ('[0-9]+')

# Matches part of a year or copyright holder.
self.continuation_re = re.compile (ranges + '|' + name)

# Matches a full copyright notice:
self.copyright_re = re.compile (  
    # 1: 'Copyright (C)', etc.
    '[(Cc)opyright'  
    '[(Cc)opyrights+@{(Cc)}]'  
    '[(Cc)opyrights+©'  
    '[(Cc)opyrights+&copy;'  
    '[(Cc)opyrights+@copyright[ ]]'  
    'copyright = u"'  
    '@setts+copyright[\w-]+')

# 2: the years. Include the whitespace in the year, so that
# we can remove any excess.
'(\s*\(??:\s* + ranges + \',\s*\)?  
'[@value\{[^{}]*\}])s*')

# 3: 'by ', if used
'(by\s+)\n'

# 4: the copyright holder. Don't allow multiple consecutive
# spaces, so that right-margin gloss doesn't get caught
# (e.g. gnat_ugn.texi).
'(' + name + ' (?:\s? + name + \')\s*)')

# A regexp for notices that might have slipped by. Just matching
# 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
# HTML header markers, so check for 'copyright' and two digits.
self.other_copyright_re = re.compile ('copyright.*[0-9][0-9]',
re.IGNORECASE)

self.comment_re = re.compile('#+|[*]+|;+|%+|//+|@c |dnl ')  
self.holders = { '@copying': '@copying' }  
self.holder_prefixes = set()

# True to 'quilt add' files before changing them.
self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s). Could be ',', '.
self.separator = ' '
def add_package_author(self, holder, canon_form=None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find(' ')
    while index >= 0:
        self.holder_prefixes.add(holder[:index])
        index = holder.find(' ', index + 1)

def add_external_author(self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__(self, year):
        self.year = year

    def __str__(self):
        return 'unrecognised year: ' + self.year

def parse_year(self, string):
    year = int(string)
    if len(string) == 2:
        if year > 70:
            return year + 1900
        elif len(string) == 4:
            return year
        else:
            raise self.BadYear(string)

    def year_range(self, years):
        year_list = [self.parse_year(year)
                     for year in self.year_re.findall(years)]
        assert len(year_list) > 0
        return (min(year_list), max(year_list))

    def set_use_quilt(self, use_quilt):
        self.use_quilt = use_quilt

    def include_year(self, year):
        assert not self.max_year
        self.max_year = year

    def canonicalise_years(self, dir, filename, filter, years):
        # Leave texinfo variables alone.
        if years.startswith('@value '):
            return years
        (min_year, max_year) = self.year_range(years)
# Update the upper bound, if enabled.
if self.max_year and not filter.is_fossilised_file(dir, filename):
    max_year = max(max_year, self.max_year)

# Use a range.
if min_year == max_year:
    return '%d' % min_year
else:
    return '%d-%d' % (min_year, max_year)

def strip_continuation(self, line):
    line = line.lstrip()
    match = self.comment_re.match(line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete(self, match):
    holder = match.group(4)
    return (holder
    and (holder not in self.holder_prefixes
    or holder in self.holders))

def update_copyright(self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join(dir, filename)

    intro = match.group(1)
    if intro.startswith('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end(2):].strip()
        if after_years != '\n':
            self.errors.report(pathname,
                'trailing characters in @set: ' + after_years)
            return (False, orig_line, next_line)
    else:
        # If it looks like the copyright is incomplete, add the next line.
        while not self.is_complete(match):
            try:
                next_line = file.next()
            except StopIteration:
                break

        # If the next line doesn't look like a proper continuation,
        # assume that what we've got is complete.
        continuation = self.strip_continuation(next_line)
if not self.continuation_re.match(continuation):
    break

# Merge the lines for matching purposes.
orig_line += next_line
line = line.rstrip() + ' ' + continuation
next_line = None

# Rematch with the longer line, at the original position.
match = self.copyright_re.match(line, match.start())
assert match

holder = match.group(4)

# Use the filter to test cases where markup is getting in the way.
if filter.by_package_author(dir, filename):
    assert holder not in self.holders

elif not holder:
    self.errors.report(pathname, 'missing copyright holder')
    return(False, orig_line, next_line)

elif holder not in self.holders:
    self.errors.report(pathname, 'unrecognised copyright holder: ' + holder)
    return(False, orig_line, next_line)

else:
    # See whether the copyright is associated with the package
    # author.
    canon_form = self.holders[holder]
    if not canon_form:
        return(False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
    line = (line[:match.start(4)]
    + canon_form
    + line[match.end(4):])

    # Remove any 'by'
    line = line[:match.start(3)] + line[match.end(3):]

    # Update the copyright years.
    years = match.group(2).strip()
    try:
        canon_form = self.canonicalise_years(dir, filename, filter, years)
    except self.BadYear as e:
        self.errors.report(pathname, str(e))
return (False, orig_line, next_line)

line = (line[:match.start (2)]
    + ('' if intro.startswith ('copyright = ') else ' ')
    + canon_form + self.separator
    + line[match.end (2):])

# Use the standard (C) form.
if intro.endswith ('right'):
    intro += ' (C)'
elif intro.endswith ('(c)'):
    intro = intro[:-3] + '(C)'
line = line[:match.start (1)] + intro + line[match.end (1):]

# Strip trailing whitespace
line = line.rstrip() + '
'
return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)
        except OSError:
            pass
        return

    lines = []
    changed = False
    line_filter = filter.get_line_filter (dir, filename)
    with open (pathname, 'r') as file:
        prev = None
        for line in file:
            if not (line_filter and line_filter.match (line)):
                match = self.copyright_re.search (line)
                if match:
                    res = self.update_copyright (dir, filename, filter,
                        file, line, match)
                    (this_changed, line, next_line) = res
                    changed = changed or this_changed

                    # Check for copyright lines that might have slipped by.
                    elif self.other_copyright_re.search (line):
                        pass

                    # Leave filtered-out lines alone.
                    if not (line_filter and line_filter.match (line)):
                        match = self.copyright_re.search (line)
                        if match:
                            res = self.update_copyright (dir, filename, filter,
                                file, line, match)
                            (this_changed, line, next_line) = res
                            changed = changed or this_changed

                            # Check for copyright lines that might have slipped by.
                            elif self.other_copyright_re.search (line):
                                pass

                            # Leave filtered-out lines alone.
                            if not (line_filter and line_filter.match (line)):
self.errors.report (pathname,
'unrecognised copyright: %s'
% line.strip())
lines.append (line)
line = next_line
# If something changed, write the new file out.
if changed and self.errors.ok():
tmp_pathname = pathname + '.tmp'
with open (tmp_pathname, 'w') as file:
for line in lines:
file.write (line)
if self.use_quilt:
subprocess.call (['quilt', 'add', pathname])
os.rename (tmp_pathname, pathname)
def process_tree (self, tree, filter):
for (dir, subdirs, filenames) in os.walk (tree):
# Don't recurse through directories that should be skipped.
for i in xrange (len (subdirs) - 1, -1, -1):
if filter.skip_dir (dir, subdirs[i]):
del subdirs[i]
# Handle the files in this directory.
for filename in filenames:
if filter.skip_file (dir, filename):
sys.stdout.write ('Skipping %s\n'
% os.path.join (dir, filename))
else:
self.process_file (dir, filename, filter)
class CmdLine:
def __init__ (self, copyright = Copyright):
self.errors = Errors()
self.copyright = copyright (self.errors)
self.dirs = []
self.default_dirs = []
self.chosen_dirs = []
self.option_handlers = dict()
self.option_help = []
self.add_option ('--help', 'Print this help', self.o_help)
self.add_option ('--quilt', '"quilt add" files before changing them',
self.o_quilt)
self.add_option ('--this-year', 'Add the current year to every notice',
self.o_this_year)
def add_option (self, name, help, handler):

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self.option_help.append ((name, help))
self.option_handlers[name] = handler

def add_dir (self, dir, filter = GenericFilter ()):  
    self.dirs.append ((dir, filter))

def o_help (self, option = None):  
    sys.stdout.write ('Usage: %s [options] dir1 dir2...

    Options:
    ' % sys.argv[0])
    format = '%-15s %s

    for (what, help) in self.option_help:  
        sys.stdout.write (format % (what, help))
    sys.stdout.write ('
Directories:
')
    format = '%-25s'  
    i = 0  
    for (dir, filter) in self.dirs:  
        i += 1  
        if i % 3 == 0 or i == len (self.dirs):  
            sys.stdout.write (dir + '
')
        else:  
            sys.stdout.write (format % dir)
    sys.exit (0)

def o_quilt (self, option):  
    self.copyright.set_use_quilt (True)

def o_this_year (self, option):  
    self.copyright.include_year (time.localtime().tm_year)

def main (self):  
    for arg in sys.argv[1:]:  
        if arg[1] != '-':  
            self.chosen_dirs.append (arg)
        elif arg in self.option_handlers:  
            self.option_handlers[arg] (arg)
        else:  
            self.errors.report (None, 'unrecognised option: ' + arg)
    if self.errors.ok():  
        if len (self.chosen_dirs) == 0:  
            self.chosen_dirs = self.default_dirs
        if len (self.chosen_dirs) == 0:  
            self.o_help()
        else:  
            for chosen_dir in self.chosen_dirs:  
                canon_dir = os.path.join (chosen_dir, '')
                count = 0  
                for (dir, filter) in self.dirs:
class ConfigFilter (GenericFilter):
def __init__ (self):
    GenericFilter.__init__ (self)
    def skip_file (self, dir, filename):
        if filename.endswith ('.m4'):
            pathname = os.path.join (dir, filename)
            with open (pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find ('gettext-') >= 0:
                    return True
            return GenericFilter.skip_file (self, dir, filename)

class GCCFilter (GenericFilter):
def __init__ (self):
    GenericFilter.__init__ (self)
    self.skip_files |= set ([
        # Not part of GCC
        'math-68881.h',
    ])
    self.skip_dirs |= set ([
        # Better not create a merge nightmare for the GNAT folks.
        'ada',
        # Handled separately.
        'testsuite',
    ])
    self.skip_extensions |= set ([
        # Maintained by the translation project.
        '.po',
    ])

if (dir + os.sep).startswith (canon_dir):
    count += 1
    self.copyright.process_tree (dir, filter)
if count == 0:
    self.errors.report (None, 'unrecognised directory: ' + chosen_dir)
sys.exit (0 if self.errors.ok() else 1)
```python
# Automatically-generated.
'.pot',
])

self.fossilised_files |= set([
    # Old news won't be updated.
    'ONEWS',
])

class TestsuiteFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_extensions |= set([
            # Don't change the tests, which could be woed by anyone.
            '.c',
            '.C',
            '.cc',
            '.h',
            '.hs',
            '.f',
            '.f90',
            '.go',
            '.inc',
            '.java',
        ])

    def skip_file(self, dir, filename):
        # g++.niklas/README contains historical copyright information
        # and isn't updated.
        if filename == 'README' and os.path.basename(dir) == 'g++.niklas':
            return True
        return GenericFilter.skip_file(self, dir, filename)

class LibCppFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        selfskip_extensions |= set([
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        ])

class LibGCCFilter(GenericFilter):
    def __init__(self):
        pass
```
GenericFilter.__init__(self)

self.skip_dirs |= set([
    # Imported from GLIBC.
    'soft-fp',
])

class LibJavaFilter(GenericFilter):
def __init__(self):
    GenericFilter.__init__(self)

    self.skip_dirs |= set([
        # Handled separately.
        'testsuite',

        # Not really part of the library
        'contrib',

        # Imported from upstream
        'classpath',
        'libtldl',
    ])

def get_line_filter(self, dir, filename):
    if filename == 'NameDecoder.h':
        return re.compile('.*NAME_COPYRIGHT')
    if filename == 'ICC_Profile.h':
        return re.compile('.*icSigCopyrightTag')
    return GenericFilter.get_line_filter(self, dir, filename)

class LibMudflapFilter(GenericFilter):
def __init__(self):
    GenericFilter.__init__(self)

    self.skip_dirs |= set([
        # Handled separately.
        'testsuite',
    ])

class LibStdCxxFilter(GenericFilter):
def __init__(self):
    GenericFilter.__init__(self)

    self.skip_files |= set([
        # Contains no copyright of its own, but quotes the GPL.
        'intro.xml',
    ])
self.skip_dirs |= set([
    # Contains automatically-generated sources.
    'html',

    # 'The testsuite data files shouldn't be changed.
    'data',

    # Contains imported images
    'images',
])

self.own_files |= set([
    # Contains markup around the copyright owner.
    'spine.xml',
])

def get_line_filter (self, dir, filename):
    if filename == 'boost_concept_check.h':
        return re.compile ('// \(C\) Copyright Jeremy Siek')
    return GenericFilter.get_line_filter (self, dir, filename)

class GCCCopyright (Copyright):
    def __init__ (self, errors):
        Copyright.__init__ (self, errors)

        canon_fsf = 'Free Software Foundation, Inc.'
        self.add_package_author ('Free Software Foundation', canon_fsf)
        self.add_package_author ('Free Software Foundation.', canon_fsf)
        self.add_package_author ('Free Software Foundation Inc.', canon_fsf)
        self.add_package_author ('Free Software Foundation, Inc', canon_fsf)
        self.add_package_author ('Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author ('The Free Software Foundation', canon_fsf)
        self.add_package_author ('The Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author ('Software Foundation, Inc.', canon_fsf)

        self.add_external_author ('ARM')
        self.add_external_author ('AdaCore')
        self.add_external_author ('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
        self.add_external_author ('Cavium Networks.')
        self.add_external_author ('Faraday Technology Corp.')
        self.add_external_author ('Florida State University')
        self.add_external_author ('Greg Colvin and Beman Dawes.')
        self.add_external_author ('Hewlett-Packard Company')
        self.add_external_author ('Information Technology Industry Council.')
        self.add_external_author ('James Theiler, Brian Gough')
        self.add_external_author ('Makoto Matsumoto and Takuji Nishimura,')
        self.add_external_author ('National Research Council of Canada.')
        self.add_external_author ('Peter Dimov and Multi Media Ltd.')
self.add_external_author('Peter Dimov')
self.add_external_author('Pipeline Associates, Inc.')
self.add_external_author('Regents of the University of California.')
self.add_external_author('Silicon Graphics Computer Systems, Inc.')
self.add_external_author('Silicon Graphics')
self.add_external_author('Stephen L. Moshier')
self.add_external_author('Sun Microsystems, Inc. All rights reserved.')
self.add_external_author('The Go Authors. All rights reserved.')
self.add_external_author('The Go Authors.')
self.add_external_author('The Regents of the University of California.')
self.add_external_author('Unicode, Inc.')
self.add_external_author('University of Toronto.')

class GCCCmdLine(CmdLine):
    def __init__(self):
        super().__init__(GCCCopyright)

        # TopLevelFilter())
        self.add_dir('.', TopLevelFilter())
        self.add_dir('config', ConfigFilter())
        self.add_dir('fixincludes')
        self.add_dir('gcc', GCCFilter())
        self.add_dir(os.path.join('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir('gnatools')
        self.add_dir('include')
        self.add_dir('libada')
        self.add_dir('libatomic')
        self.add_dir('libbacktrace')
        self.add_dir('libcpp', LibCppFilter())
        self.add_dir('libgcc', LibGCCFilter())
        self.add_dir('libgfortran')
        self.add_dir('libgomp')
        self.add_dir('libiberty')
        self.add_dir('libitm')
        self.add_dir('libobjc')
        self.add_dir('libquadmath')
        self.add_dir('libssp')
        self.add_dir('libstdc++-v3', LibStdCxxFilter())

        # boehm-gc is imported from upstream.
        self.add_dir('boehm-gc')

        # contrib isn't really part of GCC.
        self.add_dir('contrib')

        # config is imported from upstream.
        self.add_dir('config')

        # fixincludes is imported from upstream.
        self.add_dir('fixincludes')

        # gcc is imported from upstream.
        self.add_dir('gcc')

        # testsuite is imported from upstream.
        self.add_dir(os.path.join('gcc', 'testsuite'))

        # gnatools is imported from upstream.
        self.add_dir('gnatools')

        # include is imported from upstream.
        self.add_dir('include')

        # libada is imported from upstream.
        self.add_dir('libada')

        # libatomic is imported from upstream.
        self.add_dir('libatomic')

        # libbacktrace is imported from upstream.
        self.add_dir('libbacktrace')

        # libcpp is imported from upstream.
        self.add_dir('libcpp')

        # libgcc is imported from upstream.
        self.add_dir('libgcc')

        # libgfortran is imported from upstream.
        self.add_dir('libgfortran')

        # libgomp is imported from upstream.
        self.add_dir('libgomp')

        # libiberty is imported from upstream.
        self.add_dir('libiberty')

        # libitm is imported from upstream.
        self.add_dir('libitm')

        # libobjc is imported from upstream.
        self.add_dir('libobjc')

        # libquadmath is imported from upstream.
        self.add_dir('libquadmath')

        # libssp is imported from upstream.
        self.add_dir('libssp')

        # libstdc++-v3 is imported from upstream.
        self.add_dir('libstdc++-v3')

        # boehm-gc is imported from upstream.
        self.add_dir('boehm-gc')

        # contrib isn't really part of GCC.
        self.add_dir('contrib')

        # config is imported from upstream.
        self.add_dir('config')

        # fixincludes is imported from upstream.
        self.add_dir('fixincludes')

        # gcc is imported from upstream.
        self.add_dir('gcc')

        # testsuite is imported from upstream.
        self.add_dir(os.path.join('gcc', 'testsuite'))

        # gnatools is imported from upstream.
        self.add_dir('gnatools')

        # include is imported from upstream.
        self.add_dir('include')

        # libada is imported from upstream.
        self.add_dir('libada')

        # libatomic is imported from upstream.
        self.add_dir('libatomic')

        # libbacktrace is imported from upstream.
        self.add_dir('libbacktrace')

        # libcpp is imported from upstream.
        self.add_dir('libcpp')

        # libgcc is imported from upstream.
        self.add_dir('libgcc')

        # libgfortran is imported from upstream.
        self.add_dir('libgfortran')

        # libgomp is imported from upstream.
        self.add_dir('libgomp')

        # libiberty is imported from upstream.
        self.add_dir('libiberty')

        # libitm is imported from upstream.
        self.add_dir('libitm')

        # libobjc is imported from upstream.
        self.add_dir('libobjc')

        # libquadmath is imported from upstream.
        self.add_dir('libquadmath')

        # libssp is imported from upstream.
        self.add_dir('libssp')

        # libstdc++-v3 is imported from upstream.
        self.add_dir('libstdc++-v3')
self.add_dir ('lto-plugin')
# zlib is imported from upstream.

self.default_dirs = 
    ['gcc',
     'libada',
     'libatomic',
     'libbacktrace',
     'libcpp',
     'libdecnumber',
     'libgcc',
     'libgfortran',
     'libgomp',
     'libitm',
     'libmudflap',
     'libobjc',
     'libstdc++-v3',
     ]

GCCCmdLine().main()

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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.]

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```
@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:
```

```
@java/security/acl/Permission @java/lang/Object equals ( @java/lang/Object ) Z toString () @java/lang/String;
SourceFilePermission.java
```
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/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using
   underscores, we are using prefix `.'s to identify labels that should
   be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE 	.byte	
#define ASM_SHORT 	.word	
#define ASM_LONG 	.long	
#define ASM_QUAD 	.quad	 /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS
   #define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line
   that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE,SIZE) \
fprintf (FILE, "\t.space "HOST_WIDE_INT_PRINT_UNSIGNED"\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line
to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED)  
  ( fputs (".comm ", (FILE)),
    assemble_name ((FILE), (NAME)),
    fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line
to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED)  
  ( fputs (".lcomm ", (FILE)),
    assemble_name ((FILE), (NAME)),
    fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

#define ASM_OUTPUT_ALIGN(FILE,LOG)
  if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)
  sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

#define USER_LABEL_PREFIX "_

#define DBX_NO_XREFS 1
/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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String;
getActionsnewPermissionCollection&()Ljava/security/PermissionCollection;toString;gnu/java/lang/CPStringBuilder
r
:
:>!?@append"(C)Lgnu/java/lang/CPStringBuilder;
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HN65P
RTSjava/lang/String01
:V95stringLgnu/java/lang/CPStringBuilder;
SourceFilePermission.java!
This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

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

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

Some other contributors:

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

The SPARC specific code was originally contributed by Mark Weiser.
The Encore Multimax modifications were supplied by
Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely
due to Vernon Lee, on machines made available to Rice by IBM.
Much of the HP specific code and a number of good suggestions for improving the
generic code are due to Walter Underwood.

Robert Brazile (brazil@diamond.bbn.com) originally supplied the ULTRIX code.
Al Dossor (dossier@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@mtiame.mtia.oz.au), Michel Schinz, and
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.

Thomas Funke (thf@zelator.in-berlin.de(?) and
Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.

Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dossor provided Alpha/OSF/1 code. He and
Dave Detlef()detlef@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks(age@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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 *
 * @version 0.0
 *
 * @author Aaron M. Renn (arenn@urbanophile.com)
 */
public interface Permission
{
    /**
     * This method tests whether or not a specified <code>Permission</code> (passed as an <code>Object</code>) is the same as this permission.
     *
     * @param perm The permission to check for equality
     *
     * @return <code>true</code> if the specified permission is the same as this one, <code>false</code> otherwise
     */
    boolean equals (Object perm);

    /**
     * This method returns this <code>Permission</code> as a <code>String</code>. 
     *
     * @return A <code>String</code> representing this permission.
     */
    String toString();
}

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\texttt{\l'' Escape single quotes in literal strings from groff's Unicode transform.
\ie \n(.g .ds Aq \{aq
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\texttt{\l'' If the F register is turned on, we'll generate index entries on stderr for
\l'' titles (.TH), headers (.SH), subsections (.Sh), items (.Ip), and index
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\ie \nF {\l
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SEE ALSO

`gfdl`(7), `sf-funding`(7).

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#define __gnu_javax_sound_AudioSecurityManager$Permission__
#define __gnu_javax_sound_AudioSecurityManager$Permission__
pragma interface

#include <java/lang/Enum.h>
#include <gcj/array.h>

extern "Java"
{
    namespace gnu
    {
        namespace javax
        {
            namespace sound
            {
                class AudioSecurityManager$Permission;
            }
        }
    }
}

class gnu::javax::sound::AudioSecurityManager$Permission : public ::java::lang::Enum
{
    AudioSecurityManager$Permission(::java::lang::String *, jint);

public:
    static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * values();
    static ::gnu::javax::sound::AudioSecurityManager$Permission * valueOf(::java::lang::String *);
    static ::gnu::javax::sound::AudioSecurityManager$Permission * PLAY;
    static ::gnu::javax::sound::AudioSecurityManager$Permission * RECORD;
    static ::gnu::javax::sound::AudioSecurityManager$Permission * ALL;

private:
    static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * ENUM$VALUES;

public:
    static ::java::lang::Class class$;
};

#endif // __gnu_javax_sound_AudioSecurityManager$Permission__

1.253 j2cli 0.3.10
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1.254 python-gi 3.20.0-0ubuntu1

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1.255 unzip 6.0 20ubuntu1.1

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There are currently two explicit copyrights on portions of UnZip
code (at least, of which Info-ZIP is aware):
Jim Luther's Mac OS File Manager interface code; and Christopher Evans'
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All remaining code is now (starting with UnZip version 5.41) covered
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Mike White (Windows DLL code in "windll/*"), Steve P. Miller (Pocket
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Frequently Asked Questions regarding (re)distribution of Zip and UnZip
are near the end of this file.

There are no known patents on any of the code in UnZip. Unisys
claims a patent on LZW encoding and on LZW decoding _in an apparatus
that performs LZW encoding_, but the patent appears to exempt a stand-
alone decoder (as in UnZip's unshrink.c). Unisys has publicly claimed
otherwise, but the issue has never been tested in court. Since this
point is unclear, unshrinking is not enabled by default. It is the
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its licensing requirements. (unshrink.c may be removed from future
releases altogether.)

The original unzip source code has been extensively modified and
almost entirely rewritten (changes include random zipfile access
rather than sequential; replacement of unimplode() with explode();
replacement of old unshrink() with new (unrelated) unshrink(); re-
placement 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,
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 3246

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*
* A collection of File Manager and related routines
*
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*
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*
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"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
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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
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The decompression core code for the deflate method (inflate.[ch],
explode.c) was originally written by Mark Adler who submitted it
1.256 babel-plugin-transform-es2015-shorthand-properties 6.24.1

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1.258 slf4j-api 1.7.26
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*/

Found in path(s):
* /opt/cola/permits/1110662284_1606841983.34/0/slf4j-api-1-7-26-sources-2-jar/org/slf4j/MarkerFactory.java
* /opt/cola/permits/1110662284_1606841983.34/0/slf4j-api-1-7-26-sources-2-jar/org/slf4j/helpers/MessageFormatter.java
* /opt/cola/permits/1110662284_1606841983.34/0/slf4j-api-1-7-26-sources-2-jar/org/slf4j/impl/StaticMDCBinder.java
* /opt/cola/permits/1110662284_1606841983.34/0/slf4j-api-1-7-26-sources-2-jar/org/slf4j/impl/StaticMarkerBinder.java
* /opt/cola/permits/1110662284_1606841983.34/0/slf4j-api-1-7-26-sources-2-jar/org/slf4j/spi/MDCAdapter.java
* /opt/cola/permits/1110662284_1606841983.34/0/slf4j-api-1-7-26-sources-2-jar/org/slf4j/helpers/NamedLoggerBase.java
* /opt/cola/permits/1110662284_1606841983.34/0/slf4j-api-1-7-26-sources-2-jar/org/slf4j/helpers/SubstituteLogger.java
* /opt/cola/permits/1110662284_1606841983.34/0/slf4j-api-1-7-26-sources-2-jar/org/slf4j/helpers/StaticLoggerBinder.java
* /opt/cola/permits/1110662284_1606841983.34/0/slf4j-api-1-7-26-sources-2-jar/org/slf4j/spi/MarkingTuple.java
* /opt/cola/permits/1110662284_1606841983.34/0/slf4j-api-1-7-26-sources-2-jar/org/slf4j/spi/MarkerFactoryBinder.java
* /opt/cola/permits/1110662284_1606841983.34/0/slf4j-api-1-7-26-sources-2-jar/org/slf4j/helpers/BasicMarkerFactory.java
1.259 restlet 1.1.1

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* /opt/cola/permits/1124846591_1611185821.45/0/org-restlet-1-1-1-jar/org/restlet/Component.xsd
1.260 tcl 8.6.9+1

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1.261 jetty-continuation 9.4.14.v20181114

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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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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

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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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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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1.262 classmate 0.8.0

1.263
com.fasterxml.jackson.datatype.jackson-datatype-jsr310 2.5.4
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Manifest-Version: 1.0
Bnd-LastModified: 1433914495353
Build-Jdk: 1.8.0
Built-By: tatu
Bundle-Description: Add-on module to support JSR-310 (Java 8 Date & Time API) data types.
Bundle-DocURL: http://wiki.fasterxml.com/JacksonModuleJSR310
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: Jackson-Datatype-JSR310
Bundle-SymbolicName: com.fasterxml.jackson.datatype.jackson-datatype-jsr310
Bundle-Vendor: FasterXML
Bundle-Version: 2.5.4
Created-By: Apache Maven Bundle Plugin
Export-Package: com.fasterxml.jackson.datatype.jsr310;version="2.5.4",com.fasterxml.jackson.datatype.jsr310.deser;version="2.5.4",com.fasterxml.jackson.datatype.jsr310.ser;version="2.5.4"
Implementation-Build-Date: 2015-06-09 22:34:49-0700
Implementation-Title: Jackson-Datatype-JSR310
Implementation-Vendor: FasterXML
Implementation-Vendor-Id: com.fasterxml.jackson.datatype
Implementation-Version: 2.5.4
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com.fasterxml.jackson.datatype.jsr310.JSR310Module

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* /opt/cola/permits/1175933168_1626247068.49/0/jackson-datatype-jsr310-2.5.4-jar/META-INF/services/com.fasterxml.jackson.datatype.jsr310.JSR310Module

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lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
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1.280 type-detect 0.1.1

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* /opt/cola/permits/1112216432_1607049952.07/0/type-detect-0-1-1-2-tgz/package/lib/type.js

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1.281 which 2.21-12.el8

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1.290 @babel/plugin-transform-modules-systemjs 7.3.4

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1.291 libkrbsupport 1.16 2ubuntu0.2

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

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

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1.300 evp_bytestokey 1.0.3

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1.318 libusbx 1.0.23-4.el8

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socks-proxy-agent
### A SOCKS proxy `http.Agent` implementation for HTTP and HTTPS

This module provides an `http.Agent` implementation that connects to a specified SOCKS proxy server, and can be used with the built-in `http` or `https` modules.

It can also be used in conjunction with the `ws` module to establish a WebSocket connection over a SOCKS proxy. See the "Examples" section below.

**Installation**

Install with `npm`:

```bash
c$ npm install socks-proxy-agent
```

**Examples**

#### `http` module example

```javascript
var url = require('url');
var http = require('http');
var SocksProxyAgent = require('socks-proxy-agent');

// SOCKS proxy to connect to
var proxy = process.env.socks_proxy || 'socks://127.0.0.1:9050';
console.log('using proxy server %j', proxy);

// HTTP endpoint for the proxy to connect to
console.log('attempting to GET %j', endpoint);
var opts = url.parse(endpoint);

// create an instance of the `SocksProxyAgent` class with the proxy server information
var agent = new SocksProxyAgent(proxy);
opts.agent = agent;

http.get(opts, function (res) {
    console.log("response" event!", res.headers);
    res.pipe(process.stdout);
})
```
### `https` module example

```js
var url = require('url');
var https = require('https');
var SocksProxyAgent = require('socks-proxy-agent');

// SOCKS proxy to connect to
var proxy = process.env.socks_proxy || 'socks://127.0.0.1:9050';
console.log('using proxy server %j', proxy);

// HTTP endpoint for the proxy to connect to
console.log('attempting to GET %j', endpoint);
var opts = url.parse(endpoint);

// create an instance of the `SocksProxyAgent` class with the proxy server information
// NOTE: the `true` second argument! Means to use TLS encryption on the socket
var agent = new SocksProxyAgent(proxy, true);
opts.agent = agent;

https.get(opts, function (res) {
  console.log('response' event!, res.headers);
  res.pipe(process.stdout);
});
```

### `ws` WebSocket connection example

```js
var WebSocket = require('ws');
var SocksProxyAgent = require('socks-proxy-agent');

// SOCKS proxy to connect to
var proxy = process.env.socks_proxy || 'socks://127.0.0.1:9050';
console.log('using proxy server %j', proxy);

// WebSocket endpoint for the proxy to connect to
var endpoint = process.argv[2] || 'ws://echo.websocket.org';
console.log('attempting to connect to WebSocket %j', endpoint);

// create an instance of the `SocksProxyAgent` class with the proxy server information
var agent = new SocksProxyAgent(proxy);

// initiate the WebSocket connection
var socket = new WebSocket(endpoint, { agent: agent });

socket.on('open', function () {
    console.log("open" event!);
    socket.send('hello world');
});

socket.on('message', function (data, flags) {
    console.log("message" event! %j %j", data, flags);
    socket.close();
});
```

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1.320 py3-six 1.15.0-r0
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1.322 string_decoder 1.1.0
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1.323 d3-quadtree 1.0.3

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1.324 javax-el 2.2.4

1.325 d-bus 1.12.2 1ubuntu1.2

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End
This package was debianized by Akira TAGOH <tagoh@debian.org> on 
Thu, 7 Mar 2002 01:05:25 +0900.

It was downloaded from <http://ftp.gnome.org/pub/GNOME/sources/glib/>.

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1.327 uglify-to-browserify 1.0.2

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1.328 require-main-filename 1.0.1

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1.329 libffi 3.1-2+deb8u1

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# Async::HTTP

An asynchronous client and server implementation of HTTP/1.0, HTTP/1.1 and HTTP/2 including TLS. Support for streaming requests and responses. Built on top of [async](https://github.com/socketry/async) and [async-io](https://github.com/socketry/async-io). [falcon](https://github.com/socketry/falcon) provides a rack-compatible server.


## Installation

Add this line to your application's Gemfile:

```ruby
  gem 'async-http'
```

And then execute:

$ bundle

Or install it yourself as:

$ gem install async-http

## Usage

### Post JSON data

Here is an example showing how to post a data structure as JSON to a remote resource:

```ruby
#!/usr/bin/env ruby
require 'json'
require 'async'
require 'async/http/internet'
data = {'life' => 42}
```
Async do
# Make a new internet:
internet = Async::HTTP::Internet.new

# Prepare the request:
headers = [['accept', 'application/json']]  
body = [JSON.dump(data)]

# Issues a POST request:
response = internet.post("https://httpbin.org/anything", headers, body)

# Save the response body to a local file:
pp JSON.parse(response.read)
ensure
# The internet is closed for business:
internet.close
end

```
Consider using [async-rest](https://github.com/socketry/async-rest) instead.

### Multiple Requests

To issue multiple requests concurrently, you should use a barrier, e.g.

```ruby
#!/usr/bin/env ruby

require 'async'
require 'async/barrier'
require 'async/http/internet'

TOPICS = ['ruby', 'python', 'rust']

Async do
  internet = Async::HTTP::Internet.new
  barrier = Async::Barrier.new

  # Spawn an asynchronous task for each topic:
  TOPICS.each do |topic|
    barrier.async do
      response = internet.get "https://www.google.com/search?q=#{topic}"
      puts "Found '#{topic}' #{response.read.scan(topic).size} times."
    end
  end

  # Ensure we wait for all requests to complete before continuing:
  barrier.wait
```

---

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```ruby
#!/usr/bin/env ruby
require 'async'
require 'async/barrier'
require 'async/semaphore'
require 'async/http/internet'

TOPICS = ['ruby', 'python', 'rust']

Async do
  internet = Async::HTTP::Internet.new
  barrier = Async::Barrier.new
  semaphore = Async::Semaphore.new(2, parent: barrier)

  # Spawn an asynchronous task for each topic:
  TOPICS.each do |topic|
    semaphore.async do
      response = internet.get "https://www.google.com/search?q=#{topic}"  
      puts 'Found #{topic}: #{response.read.scan(topic).size} times.'
    end
  end

  # Ensure we wait for all requests to complete before continuing:
  barrier.wait
  ensure
  internet&.close
end
```

### Downloading a File

Here is an example showing how to download a file and save it to a local path:

```ruby
#!/usr/bin/env ruby
require 'async'
require 'async/http/internet'
```
Async do
# Make a new internet:
internet = Async::HTTP::Internet.new

# Issues a GET request to Google:
response = internet.get("https://www.google.com/search?q=kittens")

# Save the response body to a local file:
response.save("/tmp/search.html")
ensure
# The internet is closed for business:
internet.close
end
```

```ruby
#!/usr/bin/env ruby
require 'async'
require 'async/http/server'
require 'async/http/client'
require 'async/http/endpoint'
require 'async/http/protocol/response'
endpoint = Async::HTTP::Endpoint.parse('http://127.0.0.1:9294')
app = lambda do |request|
  Protocol::HTTP::Response[200, {}, ['Hello World']]
end
server = Async::HTTP::Server.new(app, endpoint)
client = Async::HTTP::Client.new(endpoint)

Async do [task]
  server_task = task.async do
    server.run
  end

  response = client.get("/")

  puts response.status
  puts response.read
```
server_task.stop
end
```ruby
require 'async'
require 'async/http'
# These are generated from the certificate chain that the server presented.
trusted_fingerprints = {
  "dac9024f54d8f6df94935fb1732638ca6ad77c13" => true,
  "e6a3b45b062d509b3382282d196efe97d5956cc8" => true,
  "07d6f3f4e05af3f1c306f9941b8e5f57598719ea2" => true,
  "e8d994f4ff20dc78dbff4e59d7da3900572bf1" => true,
}
Async do
  endpoint = Async::HTTP::Endpoint.parse("https://www.codeotaku.com/index")

  # This is a quick hack/POC:
  ssl_context = endpoint.ssl_context

  ssl_context.verify_callback = proc do |verified, store_context|
    certificate = store_context.current_cert
    fingerprint = OpenSSL::Digest::SHA1.new(certificate.to_der).to_s
    if trusted_fingerprints.include?(fingerprint)
      true
    else
      Async.logger.warn("Untrusted Certificate Fingerprint") { fingerprint }
      false
    end
  end

  endpoint = endpoint.with(ssl_context: ssl_context)

  client = Async::HTTP::Client.new(endpoint)

  response = client.get(endpoint.path)

  pp response.status, response.headers.fields, response.read
end
```
### Timeouts

Here's a basic example with a timeout:

```ruby
#!/usr/bin/env ruby
require 'async/http/internet'
Async do |task|
  internet = Async::HTTP::Internet.new
  # Request will timeout after 2 seconds
  task.with_timeout(2) do
    response = internet.get "https://httpbin.org/delay/10"
  end
  rescue Async::TimeoutError
    puts "The request timed out"
  ensure
    internet&.close
  end
end
```

## Performance

On a 4-core 8-thread i7, running `ab` which uses discrete (non-keep-alive) connections:

```
$ ab -c 8 -t 10 http://127.0.0.1:9294/
This is ApacheBench, Version 2.3 <$Revision: 1757674 $>
Copyright 1996 Adam Twiss, Zeus Technology Ltd, http://www.zeustech.net/
Licensed to The Apache Software Foundation, http://www.apache.org/

Benchmarking 127.0.0.1 (be patient)
Completed 5000 requests
Completed 10000 requests
Completed 15000 requests
Completed 20000 requests
Completed 25000 requests
Completed 30000 requests
Completed 35000 requests
Completed 40000 requests
Completed 45000 requests
Completed 50000 requests
Finished 50000 requests

Server Software:     127.0.0.1
Server Hostname:     127.0.0.1
```
Server Port: 9294

Document Path: /
Document Length: 13 bytes

Concurrency Level: 8
Time taken for tests: 1.869 seconds
Complete requests: 50000
Failed requests: 0
Total transferred: 2450000 bytes
HTML transferred: 650000 bytes
Requests per second: 26755.55 [#/sec] (mean)
Time per request: 0.299 [ms] (mean)
Time per request: 0.037 [ms] (mean, across all concurrent requests)
Transfer rate: 1280.29 [Kbytes/sec] received

Connection Times (ms)

<table>
<thead>
<tr>
<th>min</th>
<th>mean[+/-sd]</th>
<th>median</th>
<th>max</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connect:</td>
<td>0</td>
<td>0</td>
<td>0.0</td>
</tr>
<tr>
<td>Processing:</td>
<td>0</td>
<td>0</td>
<td>0.2</td>
</tr>
<tr>
<td>Waiting:</td>
<td>0</td>
<td>0</td>
<td>0.2</td>
</tr>
<tr>
<td>Total:</td>
<td>0</td>
<td>0</td>
<td>0.2</td>
</tr>
</tbody>
</table>

Percentage of the requests served within a certain time (ms)

50% 0
66% 0
75% 0
80% 0
90% 0
95% 1
98% 1
99% 1
100% 6 (longest request)

On a 4-core 8-thread i7, running `wrk`, which uses 8 keep-alive connections:

```bash
$ wrk -c 8 -d 10 -t 8 http://127.0.0.1:9294/
Running 10s test @ http://127.0.0.1:9294/
8 threads and 8 connections
Thread Stats  Avg  Stdev | Max   +/- Stdev
Latency    217.69us 0.99ms | 23.21ms 97.39%
Req/Sec    12.18k 1.58k  17.67k 83.21%
974480 requests in 10.10s, 60.41MB read
Requests/sec: 96485.00
Transfer/sec: 5.98MB
```

According to these results, the cost of handling connections is quite high, while general throughput seems pretty decent.
## Semantic Model

### Scheme

HTTP/1 has an implicit scheme determined by the kind of connection made to the server (either `http` or `https`), while HTTP/2 models this explicitly and the client indicates this in the request using the `:scheme` pseudo-header (typically `https`). To normalize this, `Async::HTTP::Client` and `Async::HTTP::Server` have a default scheme which is used if none is supplied.

### Version

HTTP/1 has an explicit version while HTTP/2 does not expose the version in any way.

### Reason

HTTP/1 responses contain a reason field which is largely irrelevant. HTTP/2 does not support this field.

## Contributing

1. Fork it
2. Create your feature branch (`git checkout -b my-new-feature`)
3. Commit your changes (`git commit -am 'Add some feature'`)
4. Push to the branch (`git push origin my-new-feature`)
5. Create new Pull Request

## See Also

- [falcon](https://github.com/socketry/falcon) A rack compatible server built on top of `async-http`.
- [async-websocket](https://github.com/socketry/async-websocket) Asynchronous client and server websockets.
- [async-rest](https://github.com/socketry/async-rest) A RESTful resource layer built on top of `async-http`.

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* /opt/cola/permits/1152134092_1618097373.49/0/socketry-async-http-v0-54-0-0-g06d59a3-tar-gz/socketry-async-http-7594f07/spec/async/http/body/slowloris_spec.rb
* /opt/cola/permits/1152134092_1618097373.49/0/socketry-async-http-v0-54-0-0-g06d59a3-tar-gz/socketry-async-http-7594f07/spec/async/http/protocol/http10_spec.rb
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* /opt/cola/permits/1152134092_1618097373.49/0/socketry-async-http-v0-54-0-0-g06d59a3-tar-gz/socketry-async-http-7594f07/lib/async/http/internet.rb
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* /opt/cola/permits/1152134092_1618097373.49/0/socketry-async-http-v0-54-0-0-g06d59a3-tar-gz/socketry-async-http-7594f07/lib/async/http/protocol/http1/connection.rb
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* /opt/cola/permits/1152134092_1618097373.49/0/socketry-async-http-v0-54-0-0-g06d59a3-tar-gz/socketry-async-http-7594f07/lib/async/http/protocol/http2.dart
1.331 spdx-license-ids 1.2.2

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# spdx-license-ids

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

[**Download JSON**](https://raw.githubusercontent.com/shinnn/spdx-license-ids/master/spdx-license-ids.json)

## Use as a JavaScript Library


[![devDependency Status](https://david-dm.org/shinnn/spdx-license-ids/dev-status.svg)](https://david-
### Installation

#### Package managers

##### [npm](https://www.npmjs.com/)

```
sh
npm install spdx-license-ids
```

##### [bower](http://bower.io/)

```
sh
bower install spdx-license-ids
```

##### [Duo](http://duojs.org/)

```javascript
const spdxLicenseIds = require('shinnn/spdx-license-ids');
```

#### Standalone

[Download the script file directly.](https://raw.githubusercontent.com/shinnn/spdx-license-ids/master/spdx-license-ids-browser.js)

### API

#### spdxLicenseIds

Type: `Array` of `String`

It returns an array of SPDX license identifiers.

```javascript
const spdxLicenseIds = require('spdx-license-ids'); //=> ['Glide', 'Abstyles', 'AFL-1.1', ... ]
```

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sudo: false
git:
depth: 1
language: node_js
node js: node
after_script:
- npm install istanbul-coveralls
- npm run-script coverage
- node node_modules/.bin/istanbul-coveralls
notifications:
  email: false
  * text=auto
  root = true

[*]
charset = utf-8
end_of_line = lf
indent_style = space
indent_size = 2
insert_final_newline = true
trim_trailing_whitespace = true

[*.md]
trim_trailing_whitespace = false

1.332 libapparmor 2.10.95-0ubuntu2.6
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Upstream-Name: AppArmor
Upstream-Contact: apparmor@lists.ubuntu.com
Source: https://launchpad.net/apparmor

Files: *
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1.333 bcrypt-pbkdf 1.0.0

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 *
 * Implementation advice by David Mazieres <dm@lcs.mit.edu>.
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*/opt/cola/permits/1152198780_1618165760.83/0/bcrypt-pbkdf-1-0-0-tgz/package/index.js

1.334 is-stream 1.1.0

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1.335 libnettle6 3.2-1

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This package contains the scripts that are executed at start and
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This package is built from the `sysvinit' source package. Please
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This is the Debian GNU/Linux prepackaged version of System V Init.

Init was written by Miquel van Smoorenburg <miquels@cistron.nl>.

This package was first put together by Bruce Perens <Bruce@Pixar.com> from pre-distribution sources. Ian Murdock <imurdock@debian.org> integrated it into the base system maintained it until the end of 1995. Miquel van Smoorenburg <miquels@cistron.nl> implemented Debian support.
In version 2.85 the package was split into three (sysvinit, sysv-rc, and initscripts) in order to make room for alternative rc mechanisms.

The upstream source is available at:

Primary-Site: ftp.cistron.nl /pub/people/miquels/software
29K sysvinit-2.86.tar.gz
Alternate-Site: sunsite.unc.edu /pub/Linux/system/daemons/init
29K sysvinit-2.86.tar.gz

Send patches to sysvinit-devel@nongnu.org.

The sysvinit package in Debian is maintained as an alioth project.
The project page is http://alioth.debian.org/projects/pkg-sysvinit/.

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@(#) SRCsfile: certdata.txt,v $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $

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## ASM Bytecode Manipulation Framework v6.0

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1.348 find-npm-prefix 1.0.2

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1.349 hk2-locator 2.5.0-b42

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1.350 pyjwt 1.5.1

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1.351 fast-json-stable-stringify 2.0.0

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1.352 libhxheimdal 7.5.0+dfsg 1

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AES in libhcrypto

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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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kdc/announce.c

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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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Windows support

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1.354 tiger-types 1.4

1.355 keyutils-libs 1.5.10-6.el8
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1.358 python3-xdg 0.25-4ubuntu1.1

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1.359 fping 4.2-r0

1.359.1 Available under license:

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* Debian Merge, TOS settings: Tobi Oetiker <tobi@oetiker.ch>
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1.360 util-linux 2.25.2-6

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USE OF THIS SOFTWARE, EVEN IF NOT ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
Initialize empty image
f1c9645dbc14efdc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2df055067c18f2cf9 bsd.img

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

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

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

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

-------------------
Create 2st primary partition
1beb87248e05d64e462e4749a65d23 bsd.img
Set 2nd partition type
2d8e8df51a88a045db233418dd73f9 bsd.img

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

Device     Boot Start   End Sectors Size Id Type
Create default BSD
2e1cee529eb59c9341afe0443f196a1 bsd.img

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

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

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

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

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):

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

b5c121c2091b2ff26b880551feac7112 bsd.img

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

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

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

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

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

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

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

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

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

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**1.361 source-map 0.1.43**

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1.363 libdevmapper 2:1.02.90-2.2+deb8u1

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1.364 ansi-align 2.0.0

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1.365 websocket-client 0.56.0

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1.366 bson 0.5.5

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Metadata-Version: 1.1
Name: bson
Version: 0.5.5
Summary: BSON codec for Python
Home-page: http://github.com/py-bson/bson
Author: Ayun Park
Author-email: iamparkayun@gmail.com
License: BSD
Description: Independent BSON codec for Python that doesn't depend on MongoDB.
Keywords: BSON codec
Platform: Any
Classifier: Programming Language :: Python :: 2.6
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3.3
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bson
=====

Independent BSON codec for Python that doesn't depend on MongoDB. The bson ObjectId implementation is forked from the PyMongo project, licensed under the Version 2.0 Apache License.

Installation
-------------

```
~ $ python setup.py install
```

or can use pip

```
~ $ pip install bson
```

Quick start
-----------

```
>>> import bson
>>> a = bson.dumps({'A': [1, 2, 3, 4, 5, '6', u'7', {'C': u'DS'}]})
>>> b = bson.loads(a)
>>> b
{'A': [1, 2, 3, 4, 5, '6', u'7', {'C': u'DS'}]}
```

Sending and receiving BSON objects to and from network sockets.

```
>>> import bson
>>> a = bson.dumps({'A': [1, 2, 3, 4, 5, '6', u'7', {'C': u'DS'}]})
>>> b = bson.loads(a)
>>> b
{'A': [1, 2, 3, 4, 5, '6', u'7', {'C': u'DS'}]}
```
>>> from gevent import monkey, socket
>>> monkey.patch_all()

>>> import bson
>>> bson.patch_socket()

>>> s = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
>>> s.connect(('127.0.0.1', 12345))
>>> s.sendobj({'u"message" : "hello!"})

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1.367 libsmartcols 2.27.1 6ubuntu3.6

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

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

Create default BSD
2e1cee529cb59c9341afe0443f196a1 bsd.img

---layout------

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

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

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

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

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help): 

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

b5c121c2091b2ff2f26b880551feac7112 bsd.img

---layout------

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

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

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

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):

--------

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

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

Command (m for help):

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

Command (m for help):
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1.372 jetty-servlet 9.3.27.v20190418

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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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1.374 readable-stream 3.4.0

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1.375 fuse 2.9.7 1ubuntu1
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***********************************************************************

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46. [50] Wilfredo Sanchez <wsanchez@apple.com> added support for NetInfo
47. [51] Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
48. [52] Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of space on the stuff in the html/pic/ subdirectory
49. [53] Ray Schnitzler <schnitz@unipress.com> Unixware1 port
50. [54] Michael Shields <shields@tembel.org> USNO clock driver
51. [55] Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock driver
52. [56] Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure makeover, various other bits (see the ChangeLog)
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56. [60] Brian Utterback <brian.utterback@oracle.com> General codebase, Solaris issues
57. [61] Loganaden Velvindron <loganaden@gmail.com> Sandboxing (libseccomp) support
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The precise terms and conditions for copying, distribution and modification follow.

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@enumerate 0
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@item
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@end smalllexample

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@example
@var{program} Copyright (C) @var{year} @var{name of author}
This program comes with ABSOLUTELY NO WARRANTY; for details type @samp{show w}.
This is free software, and you are welcome to redistribute it
under certain conditions; type @samp{show c} for details.
@end smallexample

The hypothetical commands @samp{show w} and @samp{show c} should show
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@end c man end

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

HISTORY -

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

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

Some other contributors:

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

The SPARC specific code was originally contributed by Mark Weiser.
The Encore Multimax modifications were supplied by
Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely
due to Vernon Lee, on machines made available to Rice by IBM.
Much of the HP specific code and a number of good suggestions for improving the
generic code are due to Walter Underwood.
Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.
Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk)
subsequently provided updates and information on variation between ULTRIX
systems. Parag Patel (parag@netcom.com) supplied the A/UX code.
Jesper Peterson(jep@mitami.mit.edu.oz.au), Michel Schinz, and
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.
Thomas Funke (thf@zelator.in-berlin.de(?)) and
Brian D.Carlstrom (bde@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code.  Al Dosser provided Alpha/OSF/1 code. He and
Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks(age@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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David Megginson, sax@megginson.com
1998-05-11

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* m4/ax_func_which_gethostbyname_r.m4

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```
@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:
```

```
@c man end
@c node Library Copying
@appendixsec GNU LESSER GENERAL PUBLIC LICENSE
```

```
@cindex LGPL, Lesser General Public License
@c center Version 2.1, February 1999
```

```
@display
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@end display
```

```
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<thead>
<tr>
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<th>Directory</th>
</tr>
</thead>
<tbody>
<tr>
<td>mach_override</td>
<td>lib/interception/mach_override</td>
</tr>
</tbody>
</table>

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1.382 concurrentlinkedhashmap-lru 1.4

1.383 @types/body-parser 1.19.0

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can be distributed under a single license. This section is put here just to
clarify this fact.

* 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
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>

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

<-- $Id: copyright.xsl,v 1.8 2009/07/10 23:47:58 tbox Exp $ -->

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

<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="1.0">

  <xsl:template name="isc.copyright.format">
    <xsl:param name="text"/>
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
    <xsl:text>&#10;</xsl:text>
    <xsl:variable name="rest" select="substring-after($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>
      Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above </xsl:text>
  </xsl:variable>
</xsl:stylesheet>
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1.387 jackson-dataformat-smile 2.8.5

1.388 importlib-metadata 1.3.0

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1.389 adduser 3.116ubuntu1
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1.390 erlang-mnesia 1:22.3.4.16-1

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The following was received February 23, 2000
From: "Linn, John" <jlinn@rsasecurity.com>

February 19, 2000

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1.395 babel-plugin-syntax-object-rest-spread
6.13.0

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1.396 slf4j-api 1.7.22

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

1.399 libssl-dev 1.1.1-1ubuntu2.1~18.04.8

1.399.1 Available under license:

This package was debianized by Christoph Martin martin@uni-mainz.de on Fri, 22 Nov 1996 21:29:51 +0100.

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1.400 libxcb1-dev 1.13.1-2

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1.401 js-yaml 3.4.1

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1.402 validate-npm-package-license 3.0.4

1.402.1 Available under license:
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
assert.deepEqual(
    valid('(GPL-3.0-only OR BSD-2-Clause)'),
    validSPDXExpression
);
```

... except if they contain `LicenseRef`:

```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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1.403 libmspack 0.6 3ubuntu0.3
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[role="xpack"]
[testenv="basic"]
[[delete-license]]
=== Delete license API
++++
This API enables you to delete licensing information.

```
DELETE /_xpack/license
```

When your license expires, `xpack` operates in a degraded mode. For more information, see `license-expiration.html`[License Expiration].

You must have `manage` cluster privileges to use this API. For more information, see `security-privileges.html`[Security Privileges].

The following example queries the info API:

```
DELETE _xpack/license
// CONSOLE
// TEST[skip:license testing issues]
```

When the license is successfully deleted, the API returns the following response:

```
{
  "acknowledged": true
}
```

```
// NOTCONSOLE
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  <button aria-label="Copy file path to clipboard" class="js-zeroclipboard btn btn-sm BtnGroup-item tooltipped tooltipped-s" data-copied-hint="Copied!" type="button">Copy path</button>
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Version 3.1, 31 March 2009

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```java
=== Delete License

The license can be deleted using the `deleteLicense()` method:

```java
include-tagged::{doc-tests}/LicensingDocumentationIT.java[delete-license-execute]
```

```java
=== Response

The returned `DeleteLicenseResponse` contains the `acknowledged` flag, which
returns true if the request was processed by all nodes.

```java
include-tagged::{doc-tests}/LicensingDocumentationIT.java[delete-license-response]
```

<1> Check the acknowledge flag. It should be true if license deletion is acknowledged.

```java
=== Asynchronous Execution

This request can be executed asynchronously:

```java
The asynchronous method does not block and returns immediately. Once it is completed the `ActionListener` is called back using the `onResponse` method if the execution successfully completed or using the `onFailure` method if it failed.

A typical listener for `DeleteLicenseResponse` looks like:

```java
["source","java",subs="attributes,callouts,macros"]
```

Called when the execution is successfully completed. The response is provided as an argument.

Called in case of failure. The raised exception is provided as an argument.

```
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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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This API enables you to update your license.

```
`PUT _xpack/license`
```

You can update your license at runtime without shutting down your nodes. License updates take effect immediately. If the license you are installing does not support all of the features that were available with your previous license, however, you are notified in the response. You must then re-submit the API request with the `acknowledge` parameter set to `true`.

For more information about the different types of licenses, see https://www.elastic.co/subscriptions.

```
`acknowledge`::
(boolean) Specifies whether you acknowledge the license changes. The default value is `false`.
```

```
`licenses`::
```
A sequence of one or more JSON documents containing the license information.

#### Authorization

If `{es} {security-features}` are enabled, you need `manage` cluster privileges to install the license.

If `{es} {security-features}` are enabled and you are installing a gold or platinum license, you must enable TLS on the transport networking layer before you install the license. See `<<configuring-tls>>`.

#### Examples

The following example updates to a basic license:

[source,js]
------------------------------------------------------------
POST _xpack/license
{
  "licenses": [
  {
   "uid":"893361dc-9749-4997-93cb-802e3d7fa4xx",
   "type":"basic",
   "issue_date_in_millis":1411948800000,
   "expiry_date_in_millis":1914278399999,
   "max_nodes":1,
   "issued_to":"issuedTo",
   "issuer":"issuer",
   "signature":"xx"
  }
  ]
}
------------------------------------------------------------

// CONSOLE
// TEST[skip:license testing issues]

NOTE: These values are invalid; you must substitute the appropriate content from your license file.

You can alternatively use a `curl` command, for example:

[source,js]
[source,shell]

------------------------------------------------------------
curl -XPUT -u <user> 'http://<host>:<port>/_xpack/license' -H "Content-Type: application/json" -d @license.json


// NOTCONSOLE

On Windows machine, use the following command:

[source,shell]
------------------------------------------------------------
gc .\license.json | Invoke-WebRequest -uri http://<host>:<port>/_xpack/license -Credential elastic -Method Put -ContentType "application/json"
------------------------------------------------------------

In these examples,

* `<user>` is a user ID with the appropriate authority.
* `<host>` is the hostname of the {es} node (`localhost` if executing locally)
* `<port>` is the http port (defaults to `9200`)
* `license.json` is the license JSON file

NOTE: If your {es} node has SSL enabled on the HTTP interface, you must start your URL with `https://`

If you previously had a license with more features than the basic license, you receive the following response:

[source,js]
------------------------------------------------------------
{
 "acknowledged": false,
 "license_status": "valid",
 "acknowledge": {
 "message": "This license update requires acknowledgement. To acknowledge the license, please read the following messages and update the license again, this time with the "acknowledge=true" parameter:"",
 "watcher": [ 
 "Watcher will be disabled"
 ],
 "logstash": [ 
 "Logstash will no longer poll for centrally-managed pipelines"
 ],
 "security": [ 
 "The following X-Pack security functionality will be disabled: ..."
 ]
 }
------------------------------------------------------------

// NOTCONSOLE

To complete the update, you must re-submit the API request and set the
'acknowledge' parameter to 'true'. For example:

[source.js]

```
POST _xpack/license?acknowledge=true
{
 "licenses": [
  {
   "uid": "893361dc-9749-4997-93cb-802e3d7fa4xx",
   "type": "basic",
   "issue_date_in_millis": 1411948800000,
   "expiry_date_in_millis": 1914278399999,
   "max_nodes": 1,
   "issued_to": "issuedTo",
   "issuer": "issuer",
   "signature": "xx"
  }
 ]
}
```

// CONSOLE
// TEST[skip:license testing issues]

Alternatively:

[source,sh]

```
curl -XPUT -u elastic 'http://<host>:<port>/_xpack/license?acknowledge=true' -H "Content-Type: application/json"
-d @license.json
```

// NOTCONSOLE

For more information about the features that are disabled when you downgrade your license, see {xpack-ref}/license-expiration.html[License Expiration].

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The snowball stemmers in
analysis/common/src/java/net/sf/snowball
were developed by Martin Porter and Richard Boulton.
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analysis/common/src/resources/org/apache/lucene/analysis/snowball
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analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
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analysis/common/src/resources/org/apache/lucene/analysis/bn/stopwords.txt

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers
(common) are based on BSD-licensed reference implementations created by Jacques Savoy and
Ljiljana Dolamic. These files reside in:
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/es/SpanishMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.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/hu/HungarianMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/it/ItalianMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseMinimalStemmer.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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and Edmond Nolan.

The Polish analyzer (stempel) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt. See http://project.carrot2.org/license.html.

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OSXAdapter

Version: 2.0

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## Overview ##

[YAML](http://yaml.org) is a data serialization format designed for human readability and interaction with scripting languages.

SnakeYAML is a YAML processor for the Java Virtual Machine.

### SnakeYAML features ###

* a **complete** [YAML 1.1 processor](http://yaml.org/spec/1.1/current.html). In particular, SnakeYAML can parse all examples from the specification.
* Unicode support including UTF-8/UTF-16 input/output.
* high-level API for serializing and deserializing native Java objects.
* support for all types from the [YAML types repository](http://yaml.org/type/index.html).
* relatively sensible error messages.

### Info ###

* [Changes](https://bitbucket.org/asomov/snakeyaml/wiki/Changes)
* [Documentation](https://bitbucket.org/asomov/snakeyaml/wiki/Documentation)

### Contribute ###

* Mercurial DVCS is used to dance with the [source code](https://bitbucket.org/asomov/snakeyaml/src).
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* You may discuss SnakeYAML at [the mailing list](http://groups.google.com/group/snakeyaml-core).

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This API enables you to retrieve licensing information.

`GET /_xpack/license`

This API returns information about the type of license, when it was issued, and when it expires, for example.

For more information about the different types of licenses, see https://www.elastic.co/subscriptions.

`local`:
(booleans) Specifies whether to retrieve local information. The default value is `false`, which means the information is retrieved from the master node.
==== Authorization

You must have `monitor` cluster privileges to use this API. For more information, see [Security Privileges].

==== Examples

The following example provides information about a trial license:

```json

GET _xpack/license

// CONSOLE

{
  "license": {
    "status": "active",
    "uid": "cbff45e7-c553-41f7-ae4f-9205eabd80xx",
    "type": "trial",
    "issue_date": "2018-10-20T22:05:12.332Z",
    "issue_date_in_millis": 1540073112332,
    "expiry_date": "2018-11-19T22:05:12.332Z",
    "expiry_date_in_millis": 1542665112332,
    "max_nodes": 1000,
    "issued_to": "test",
    "issuer": "elasticsearch",
    "start_date_in_millis": -1
  }
}

// TESTRESPONSE[cbff45e7-c553-41f7-ae4f-9205eabd80xx]/$body.license.uid/
// TESTRESPONSE[basic]/$body.license.type/
// TESTRESPONSE[2018-10-20T22:05:12.332Z]/$body.license.issue_date/
// TESTRESPONSE[1540073112332]/$body.license.issue_date_in_millis/
// TESTRESPONSE[1542665112332]/$body.license.expiry_date_in_millis/
// TESTRESPONSE[1000]/$body.license.max_nodes/
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The license can be added or updated using the `getLicense()` method:

```java
GetLicenseResponse response = client.getLicense();
```

The returned `GetLicenseResponse` contains the license in the JSON format.

```java
String licenseJson = response.getLicenseJson();
```
This request can be executed asynchronously:

```java
public void executeAsync(GetLicenseRequest request, ActionListener listener) {
    // asynchronously execute the request
    // and call the listener when done
```

The asynchronous method does not block and returns immediately. Once it is completed the `ActionListener` is called back using the `onResponse` method if the execution successfully completed or using the `onFailure` method if it failed.

A typical listener for `GetLicenseResponse` looks like:

```java
public void onResponse(GetLicenseResponse response) {
    // do something with the response
}

public void onFailure(Exception exception) {
    // handle the failure
}
```

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[[java-rest-high-put-license]]

=== Update License

[[java-rest-high-put-license-execution]]

==== Execution

The license can be added or updated using the `putLicense()` method:

["source","java",subs="attributes,callouts,macros"]
--------------------------------------------------
include-tagged::{doc-tests}/LicensingDocumentationIT.java[put-license-execute]
--------------------------------------------------
<1> Set the categories of information to retrieve. The default is to
return no information which is useful for checking if {xpack} is installed
but not much else.
<2> A JSON document containing the license information.
The returned `PutLicenseResponse` contains the `LicensesStatus`, `acknowledged` flag and possible acknowledge messages. The acknowledge messages are present if you previously had a license with more features than one you are trying to update and you didn't set the `acknowledge` flag to `true`. In this case you need to display the messages to the end user and if they agree, resubmit the license with the `acknowledge` flag set to `true`. Please note that the request will still return a 200 return code even if requires an acknowledgement. So, it is necessary to check the `acknowledged` flag.

This request can be executed asynchronously:

The asynchronous method does not block and returns immediately. Once it is completed the `ActionListener` is called back using the `onResponse` method if the execution successfully completed or using the `onFailure` method if it failed.

A typical listener for `PutLicenseResponse` looks like:

1. Called when the execution is successfully completed. The response is provided as an argument.
Called in case of failure. The raised exception is provided as an argument.

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---
teardown:
- do:
  xpack.license.post:
    acknowledge: true
    body: |
      {"licenses":[{"uid":"3aa62ffe-36e1-4fad-bfdc-9df8301eb22","type":"trial","issue_date_in_millis":1523456691721,"expiry_date_in_millis":1838816691721,"max_nodes":5,"issued_to":"customer","issuer":"elasticsearch","signature":"AAAABAAAAA2kWNcuc+DT0lrlmYZKAAAAIAo5/x6hrsGhi1GqqrfJmy4qgmEC7gK0U4zQ6q5ZEMhm4jAAABAEEn6fG9y2VxKBu2T3D5hffh56kzOQODC0dhr0y2d17ZlJlMRq07ZywPCWNS1aR33GhIiKeTER0ysML0xMH/gXavhyRvMBndj60UBKzuwpTawSlnxYtcqN8mSB1vJC7Ki+uJ1SpA1Lc2ZP9fnkRlwqXqB1TwfYn7xnZgu9DKrOWru/spTPObo7jcePl8VTk6nWFe7/hCFDQUTUfZ0Qvd+nq7A1PacHG5XgadbMVaAXCXgGWhkRff3cl09/vadgo+isNyhsPq9mN7gwsvBAKiA1FrpH2EXXYybfOspBvUmhYMcErLg1k3/CbS0pCWLKOaX1xTMayosdZoJagU3auZXY=","start_date_in_millis":-1}]
---
"Installing and getting license works":

```yaml
## current license version
- do:
  xpack.license.post:
    acknowledge: true
    body: |
      {"licenses":[{"uid":"802e379f0a8","type":"trial","issue_date_in_millis":1411948800000,"expiry_date_in_millis":1916956799999,"max_nodes":1,"issued_to":null,"issuer":null,"signature":null,"public_key":null,"acknowledge":true,"body":null}}

## a license object has 11 attributes
- length: { license: 11 }

## bwc for licenses format
- do:
  xpack.license.post:
    acknowledge: true
    body: |
      {"licenses":[{"uid":"802e379f0a8","type":"gold","issue_date_in_millis":1411948800000,"expiry_date_in_millis":1914278399999,"max_nodes":1,"issued_to":null,"issuer":null,"signature":null,"public_key":null,"acknowledge":true,"body":null}}
```

- match: { license_status: "valid" }
- match: { license_status: "valid" }

- do:
  xpack.license.get: {}

- length: { license: 11 }

## license version: 1.x

- do:
  xpack.license.post:
    acknowledge: true
    body: |
    
    ("licenses":[{"uid":"893361dc-9749-4997-93cb-802e3d7faa8","type":"subscription","subscription_type":"gold","issue_date_in_millis":1411948800000,"feature":"shield","expiry_date_in_millis":1914278399999,"max_nodes":1,"issued_to":null,"issuer":null,"signature":null}])

- match: { license_status: "valid" }

- do:
  xpack.license.get: {}

- length: { license: 11 }

## multiple licenses version: 1.x

- do:
  xpack.license.post:
    acknowledge: true
    body: |
    

- match: { license_status: "valid" }
```
xpack.license.post:
  acknowledge: true
  body: |
  "["license": {"uid": "893361dc-9749-4997-93cb-802e3d7fa4a8","type": "gold","issue_date_in_millis": 1411948800000,"expiry_date_in_millis": 1914278399999,"max_nodes": 1,"issued_to": "issued_to","issuer": "issuer","signature": "AAAAAgAAAA3U8+YmnvwC+CWsV/mRAAABmC9Z2h0jZDBGYnVyRxPC0w5Bb3fJZDAxOWp5bTVoMVZwUzRvk1PSmkxaxZdW51Mh1THHoN1N2MXYmFRk4d3TZE3xR3RRZ0pzU3lobWJKZnQvSEFva0p0THBkWkpZWSQ9iNmRQkwJSlpLNd0lZC095MGRXNiI1ZlpYcTVTnFrTe2dzh1ZnZrdFqN3JQeGwxb0U0Mx0dJHJ서는TSTLOHnzSDByWnpoZEpHzhzBEZjUrTVBxREDNXXsWWJZlldaODdzVMeUjNiWktNWGM5TUhQV2plaU0oQ1J0Uml4MNXuL0pSOEhQaVBzahmU9kQVzhFeTFoMIQ0RnJXSG53Mwx2K055c28zSmRnVkF1b2JSQkFVL2VXUhmVHNDD2R3o2VE1qBVNQs2IxOHN5bUErZINWkZSvmZIWEtuSu9wTJTJENDVvT1NCYklacUYYk2FwRW9xa06zdMdMmMzGtQc3FWOTgzzZ3UcXMvQkt2RUzWmFJznZlv2d2bDRWUzh6UG5pdENGWFrReXNKKnE9PQAAABeb8GfZm6t537ltuuuvejt3bXK5dv0GK5Qnpv+rczWcFxgCuzbf8plgetP1aAGZP4uRSDQPMIOCxs4dUqQAm97GBQ3I3P+PogInPeEHH9NvOmaQovrmV9MSE6DsDqJx4cXS0+bgWPXPTd2Lmp0Qc1Xd6BZ8GeyuybVHVKp9hVUtAYy6zHOE7+zuO1oJYoXelqy66AnIfkvHRvnifi+flym3t7dTgsDRaz7W3iBhqiSnEqabEkvhdPQ0dSR99XGaEvnoH01paK01/35iZ6OXHsF7CC+558GRXiVzuxeoe7TsGSt8g7YjZwV9bRCYU7oB4B/nidgG"]
  ]
  - match: { license_status: "valid" }
  - do:
    xpack.license.get: {}
  - length: { license: 11 }
  ---
  "Cannot start basic":
  - do:
    catch: bad_request
    xpack.license.post:
      acknowledge: true
      body: |
      "["license": {"uid": "893361dc-9749-4997-93cb-802e3d7fa4a8","type": "basic","issue_date_in_millis": 1411948800000,"expiry_date_in_millis": 1914278399999,"max_nodes": 1,"issued_to": "issuedTo","issuer": "issuer","signature": "AAAAAgAAAA0lK9u+YmnvwC+CWsV/mRAAABmC9Z2h0jZDBGYnVyRxPC0w5Bb3fJZDAxOWp5bTVoMVZwUzRvk1PSmkxaxZdW51Mh1THHoN1N2MXYmFRk4d3TZE3xR3RRZ0pzU3lobWJKZnQvSEFva0p0THBkWkpZWSQ9iNmRQkwJSlpLNd0lZC095MGRXNiI1ZlpYcTVTnFrTe2dzh1ZnZrdFqN3JQeGwxb0U0Mx0dJHJ서는TSTLOHnzSDByWnpoZEpHzhzBEZjUrTVBxREDNXXsWWJZlldaODdzVMeUjNiWktNWGM5TUhQV2plaU0oQ1J0Uml4MNXuL0pSOEhQaVBzahmU9kQVzhFeTFoMIQ0RnJXSG53Mwx2K055c28zSmRnVkF1b2JSQkFVL2VXUhmVHNDD2R3o2VE1qBVNQs2IxOHN5bUErZINWkZSvmZIWEtuSu9wTJTJENDVvT1NCYklacUYYk2FwRW9xa06zdMdMmMzGtQc3FWOTgzzZ3UcXMvQkt2RUzWmFJznZlv2d2bDRWUzh6UG5pdENGWFrReXNKKnE9PQAAABeb8GfZm6t537ltuuuvejt3bXK5dv0GK5Qnpv+rczWcFxgCuzbf8plgetP1aAGZP4uRSDQPMIOCxs4dUqQAm97GBQ3I3P+PogInPeEHH9NvOmaQovrmV9MSE6DsDqJx4cXS0+bgWPXPTd2Lmp0Qc1Xd6BZ8GeyuybVHVKp9hVUtAYy6zHOE7+zuO1oJYoXelqy66AnIfkvHRvnifi+flym3t7dTgsDRaz7W3iBhqiSnEqabEkvhdPQ0dSR99XGaEvnoH01paK01/35iZ6OXHsF7CC+558GRXiVzuxeoe7TsGSt8g7YjZwV9bRCYU7oB4B/nidgG"]
      ]
      - match: { license_status: "valid" }
      - do:
        xpack.license.post: {}
- match: { error.root_cause.0.reason: 'Installing basic licenses is no longer allowed. Use the POST /_xpack/license/start_basic API to install a basic license that does not expire.' }

---

"Should fail gracefully when body content is not provided":

- do:
  catch: bad_request
  xpack.license.post:
    acknowledge: true

- match: { error.root_cause.0.reason: 'The license must be provided in the request body' }

---

"Current license is trial means not eligle to start trial":

- do:
  xpack.license.get_trial_status: { }

- match: { eligible_to_start_trial: false }

- do:
  xpack.license.post_start_basic:
    acknowledge: true

- match: { basic_was_started: true }

- do:
  xpack.license.get_trial_status: { }

- match: { eligible_to_start_trial: false }

- do:
  catch: forbidden
  xpack.license.post_start_trial:
    acknowledge: true

- match: { trial_was_started: false }
- match: { error_message: "Operation failed: Trial was already activated." }

---

"Trial license cannot be basic":
- do:
  catch: bad_request
  xpack.license.post_start_trial:
    type: "basic"
    acknowledge: true

---

"Can start basic license if do not already have basic":
- do:
  xpack.license.get_basic_status: { }
- match: { eligible_to_start_basic: true }

- do:
  xpack.license.post_start_basic:
    acknowledge: true

- match: { basic_was_started: true }
- match: { acknowledged: true }

- do:
  xpack.license.get_basic_status: {}

- match: { eligible_to_start_basic: false }

- do:
  catch: forbidden
  xpack.license.post_start_basic: {}

- match: { basic_was_started: false }
- match: { acknowledged: true }
- match: { error_message: "Operation failed: Current license is basic." }

---
"Must acknowledge to start basic":
- do:
  xpack.license.post_start_basic: {}

- match: { basic_was_started: false }
- match: { acknowledged: false }
- match: { error_message: "Operation failed: Needs acknowledgement." }

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1.408 libext2fs2 1.44.1 1ubuntu1.3

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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 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 @@ 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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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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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
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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 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_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-strip: install

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

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
This is the Debian GNU/Linux prepackaged version of the Common Error
Description library. It is currently distributed together with the EXT2 file
system utilities, which are otherwise packaged as "e2fsprogs".

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

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comprising the libuuid library, and the source file headers of the
libet and libss libraries for more information.

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that's the one you should use. If there is some reason why you'd like
a more recent version that is still in ALPHA testing (i.e., either
using the "WIP" test distributions or one from the hg or git
repository from the development branch, please contact me
The release schedules for this package are flexible, if you give me enough lead time.

Theodore Ts'o
23-June-2007

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Gadi Oxman, August 1995

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Clarification letter:

The following was received February 23, 2000
From: "Linn, John" <jlinn@rsasecurity.com>

February 19, 2000

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

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iconv (Charset Conversion Library) v2.0

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@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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# Protocol::HTTP2

Provides a low-level implementation of the HTTP/2 protocol.


## Installation

Add this line to your application's Gemfile:

```ruby
  gem 'protocol-http2'
```

And then execute:

```
  $ bundle
```

Or install it yourself as:

```
  $ gem install protocol-http2
```

## Usage

Here is a basic HTTP/2 client:

```ruby
require 'async'
require 'async/io/stream'
require 'async/http/endpoint'
require 'protocol/http2/client'

Async do
  endpoint = Async::HTTP::Endpoint.parse("https://www.google.com/search?q=kittens")
  peer = endpoint.connect
  puts "Connected to #{peer.inspect}"

  # IO Buffering...

  peer.io_stream

end
```

stream = Async::IO::Stream.new(peer)

framer = Protocol::HTTP2::Framer.new(stream)
client = Protocol::HTTP2::Client.new(framer)

puts "Sending connection preface..."
client.send_connection_preface

puts "Creating stream..."
stream = client.create_stream

headers = [
[:scheme, endpoint.scheme],
[:method, "GET"],
[:authority, "www.google.com"],
[:path, endpoint.path],
["accept", "+/*"],
]

puts "Sending request on stream id=#{stream.id} state=#{stream.state}..."
stream.send_headers(nil, headers, Protocol::HTTP2::END_STREAM)

puts "Waiting for response..."
$count = 0

def stream.process_headers(frame)
headers = super
puts "Got response headers: #{headers} (#{frame.end_stream?})"
end

def stream.receive_data(frame)
data = super

$count += data.scan(/kittens/).count

puts "Got response data: #{data.bytesize}" end

until stream.closed?
frame = client.read_frame
end

puts "Got $count kittens!"

puts "Closing client..."
client.close
end```
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1. Fork it
2. Create your feature branch (`git checkout -b my-new-feature`)
3. Commit your changes (`git commit -am 'Add some feature'`)
4. Push to the branch (`git push origin my-new-feature`)
5. Create new Pull Request

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1.423 sshpk 1.14.2

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Local-Date: Fri, 06 Jun 2003 13:18:52 -0400
Date: Fri, 6 Jun 2003 10:18:52 -0700
From: Juan Gomez <juang@us.ibm.com>
To: Stephen Frost <sfrost@debian.org>
X-Mailer: Lotus Notes Release 5.0.2a (Intl) 23 November 1999
Subject: Re: Juan C. Gomez license in OpenLDAP Source

Stephen,

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

Regards, Juan

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MA

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The following is additional information from Mark Adamson on how this license is to be interpreted:

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

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

Steven,

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counsel office (http://www.umich.edu/~vpqc/).

Regards, Kurt

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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 3a0982da308228d796df35f98d787c5cff2bb5b6.

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

  Author: Julio Merino <jmmv84@gmail.com>

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

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.5 of 10 December 2007

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1.432 python-setuptools 33.1.1-1

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  jar/io/netty/bootstrap/BootstrapConfig.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
  jar/io/netty/bootstrap/ServerBootstrapConfig.java
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* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
  jar/io/netty/channel/SelectStrategyFactory.java
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  jar/io/netty/channel/ChannelOutboundInvoker.java
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  jar/io/netty/bootstrap/AbstractBootstrapConfig.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
  jar/io/netty/channel/DefaultSelectStrategyFactory.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
  jar/io/netty/channel/PreferHeapByteBufAllocator.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
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* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/netty/channel/group/ChannelMatcher.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:

- {@link ChannelInboundHandler} to handle inbound I/O events, and
- {@link ChannelOutboundHandler} to handle outbound I/O operations.

Alternatively, the following adapter classes are provided for your convenience:

- {@link ChannelInboundHandlerAdapter} to handle inbound I/O events,
- {@link ChannelOutboundHandlerAdapter} to handle outbound I/O operations,
- {@link ChannelDuplexHandler} to handle both inbound and outbound events

For more information, please refer to the documentation of each subtype.

**<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 SimpleChannelInboundHandler<Message> { [code]
*     private boolean loggedIn;
* 
*     @Override
*     public void channelRead0(ChannelHandlerContext ctx, Message message) {
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) message);
*             loggedIn = true;
*         } else (message instanceof GetDataMessage) {
*             if (loggedIn) {
*                 ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
*             } else {
*                 fail();
*             }
*         }
*     }
*     ...
* }
* </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:
* <pre>
* // Create a new handler instance per channel.
* // See ChannelInitializer#initChannel(Channel).
* public class DataServerInitializer extends ChannelInitializer<Channel> { [code]
*     @Override
*     public void initChannel(Channel channel) {
*         channel.pipeline().addLast("handler", new DataServerHandler());
*     }
* }
* </pre>
* <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
* ChannelHandlerContext:
* <pre>
* // Create a new handler instance per channel.
* // See ChannelInitializer#initChannel(Channel).
* public class DataServerInitializer extends ChannelInitializer<Channel> { [code]
*     @Override
*     public void initChannel(Channel channel) {
*         channel.pipeline().addLast("handler", new DataServerHandler());
*     }
* }
* </pre>
* <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.
* // your methods here
* }
*
* { @code @Sharable}
* public class DataServerHandler extends { @link SimpleChannelInboundHandler}&lt;Message&gt; {  
*     private final { @link AttributeKey}&lt;{ @link Boolean}&gt; auth =  
*         { @link AttributeKey#valueOf(String) AttributeKey.valueOf("auth");} ;  
*  
*     { @code @Override}
*     public void channelRead({ @link ChannelHandlerContext} ctx, Message message) {  
*         { @link Attribute}&lt;{ @link Boolean}&gt; attr = ctx.attr(auth);  
*         if (message instanceof LoginMessage) {  
*             authenticate((LoginMessage) o);  
*             &lt;b&gt;attr.set(true)&lt;/b&gt;;  
*         } else (message instanceof GetDataMessage) {  
*             if (&lt;b&gt;Boolean.TRUE.equals(attr.get())&lt;/b&gt;) {  
*                 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 &lt;b&gt;SHARED&lt;/b&gt; = new DataServerHandler();  
*     { @code @Override}
*     public void initChannel({ @link Channel} channel) {  
*         channel.pipeline().addLast("handler", &lt;b&gt;SHARED&lt;/b&gt;);  
*     }
* } </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.
* 
* 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
* 
* 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/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/socket/ChannelOutputShutdownException.java
1.435 libcom-err 1.44.5-1+deb10u2

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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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Theodore Ts'o
23-June-2007

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

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

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

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

The precise terms and conditions for copying, distribution and
modification follow. Pay close attention to the difference between a
"work based on the library" and a "work that uses the library". The
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Note that it is possible for a library to be covered by the ordinary
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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
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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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a) The modified work must itself be a software 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.)

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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.

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.

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

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

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

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

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

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

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

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

6. As an exception to the Sections above, you may also compile or
link a "work that uses the Library" with the Library to produce a
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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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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:

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

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

That's all there is to it!
This package was added to the e2fsprogs debian source package by
Theodore Ts'0 <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'0 <tytso@mit.edu>

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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
all:: image

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

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

image:$(BSDLIB_LIB)

$(BSDLIB_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:: $(BSDLIB_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

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

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

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

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

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Gadi Oxman, August 1995

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

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**1.438 maglev 1.5.18**

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Metadata-Version: 2.0
Name: maglev
Version: 1.5.18
Summary: Maglev Api Service (1.5.18)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: Jinja2 (==2.10)
Requires-Dist: PyJWT (==1.4.0)
Requires-Dist: PyYAML (==3.12)
Requires-Dist: croniter (==0.3.17)
Requires-Dist: cryptography (==1.5)
Requires-Dist: influxdb (==3.0.0)
Requires-Dist: ipcalc (==1.99.0)
Requires-Dist: kubernetes (==10.0.0)
Requires-Dist: maglev-api (==1.5.0)
Requires-Dist: maglev-appserver (==1.6.0)
Requires-Dist: maglev-common (==1.5.0)
Requires-Dist: maglev-internal-api (==1.5.0)
Requires-Dist: maglev-manifest-converter (==1.5.0)
Requires-Dist: maglev-utils (==1.5.0)
Requires-Dist: maglev-workflow (==1.5.0)
Requires-Dist: psutil (==4.3.0)
Requires-Dist: pycrypto (==2.6.1)
Requires-Dist: pykube (==0.15.1)
Requires-Dist: python-dateutil (==2.6.1)
```
# Installation

+ Requires: Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

Found in path(s):

* /opt/cola/permits/1127086453_1612148743.41/0/maglev-1-5-18-dist-info-
  zip/inputdir/packages_extracted/tar/1/packages_extracted/21/packages_extracted/opt/maglev/lib/python3.5/site-
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1.439 hawk 6.0.2

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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
 -
 - Copyright (C) Andrew Tridgell 2005
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23-June-2007

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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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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>,

Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 4965
from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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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_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-strip: install

install-shlibs-strip: install-shlibs

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

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

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

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

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Gadi Oxman, August 1995

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1.454 libsemanage-common 2.8-2

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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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1.464 python-six 1.11.0 2
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1.468 udev 215-17+deb8u7

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import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.javadoc.Tag;

/**
 * A simple Taglet which handles Copyright information.
 */
public class CopyrightTaglet implements Taglet {

    private static final String NAME = "copyright";
    private static final String HEADER = "Copyright:"
;
    public String getName() {
        return NAME;
    }

    public boolean inField() {
        return true;
    }

    public boolean inConstructor() {
        return true;
    }
}
public boolean inMethod() {
    return true;
}

public boolean inOverview() {
    return true;
}

public boolean inPackage() {
    return true;
}

public boolean inType() {
    return true;
}

public boolean isInlineTag() {
    return false;
}

public static void register(Map tagletMap) {
    CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
    tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
}

public String toString(Tag tag) {
    return toString(new Tag[] { tag });
}

public String toString(Tag[] tags) {
    if (tags.length == 0) {
        return null;
    } else {
        boolean haveValidTag = false;
        for (int i = 0; i < tags.length && !haveValidTag; ++i) {
            if (tags[i].text().length() > 0) {
                haveValidTag = true;
            }
        }
        if (haveValidTag) {
            StringBuffer result = new StringBuffer();
            result.append("<dl>");
            for (int i = 0; i < tags.length; i++) {
                if (tags[i].text().length() > 0) {
                    result.append("<dt><i>Copyright © " + tags[i].text() + "</i></dt>" + tags[i].text() + "</dt>");
                }
            }
        }
    }

    return result.toString();
}
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Version 2.1, February 1999

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This option is useful when you wish to copy part of the code of
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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

// DO NOT EDIT THIS FILE - it is machine generated .*- c++ .*-

#ifndef __java_security_Permission__
#define __java_security_Permission__
#pragma interface

#include <java/lang/Object.h>
extern "Java"
{
    namespace java
    {
        namespace security
        {
            class Permission;
            class PermissionCollection;
        }
    }
}

class java::security::Permission : public ::java::lang::Object
{
    public:
        Permission(::java::lang::String *);
        virtual void checkGuard(::java::lang::Object *);
        virtual jboolean implies(::java::security::Permission *) = 0;
        virtual jboolean equals(::java::lang::Object *) = 0;
        virtual jint hashCode() = 0;
        virtual ::java::lang::String * getName();
        virtual ::java::lang::String * getActions() = 0;
        virtual ::java::security::PermissionCollection * newPermissionCollection();
        virtual ::java::lang::String * toString();
    private:
        static const jlong serialVersionUID = -563657022231596674LL;
        ::java::lang::String * __attribute__((aligned(__alignof__( ::java::lang::Object)))) name;
    public:
        static ::java::lang::Class class$;
    }

@endif // __java_security_Permission__
@c ignore
@c Set file name and title for man page.
@c setfilename gpl
@c settitle GNU General Public License
@c man begin SEEALSO
gfdl(7), fsf-funding(7).
@c man end
@c man begin COPYRIGHT
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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.

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``Copyright'' also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

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

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

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.

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@end example

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package java.security;

import gnu.java.lang.CPStringBuilder;

import java.io.Serializable;

/**
 * This class is the abstract superclass of all classes that implement
 * the concept of a permission. A permission consists of a permission name
 * and optionally a list of actions that relate to the permission. The
 * actual meaning of the name of the permission is defined only in the
 * context of a subclass. It may name a resource to which access permissions
 * are granted (for example, the name of a file) or it might represent
 * something else entirely. Similarly, the action list only has meaning
 * within the context of a subclass. Some permission names may have no
 * actions associated with them. That is, you either have the permission
 * or you don't.
 * *
 * <p>The most important method in this class is <code>implies</code>. This
 * checks whether if one has this permission, then the specified
 * permission is also implied. As a conceptual example, consider the
 * permissions "Read All Files" and "Read File foo". The permission
 * "Read All Files" implies that the caller has permission to read the
 * file foo.
 * *
 * *<p><code>Permission</code>’s must be immutable - do not change their
 * state after creation.
 * *
 * @author Aaron M. Renn (arenn@urbanophile.com)
 * @see Permissions
 * @see PermissionCollection
public abstract class Permission implements Guard, Serializable {

    /**
     * Compatible with JDK 1.1+
     */
    private static final long serialVersionUID = -5636570222231596674L;

    /**
     * This is the name assigned to this permission object.
     *
     * @serial the name of the permission
     */
    private String name;

    /**
     * Create an instance with the specified name.
     *
     * @param name the permission name
     */
    public Permission(String name) {
        this.name = name;
    }

    /**
     * This method implements the <code>Guard</code> interface for this class.
     * It calls the <code>checkPermission</code> method in
     * <code>SecurityManager</code> with this <code>Permission</code> as its
     * argument. This method returns silently if the security check succeeds
     * or throws an exception if it fails.
     *
     * @param obj the <code>Object</code> being guarded - ignored by this class
     * @throws SecurityException if the security check fails
     * @see GuardedObject
     * @see SecurityManager#checkPermission(Permission)
     */
    public void checkGuard(Object obj) {
        SecurityManager sm = System.getSecurityManager();
        if (sm != null)
            sm.checkPermission(this);
    }

    /**
     * This method tests whether this <code>Permission</code> implies that the
* specified <code>Permission</code> is also granted.
*
* @param perm the <code>Permission</code> to test against
* @return true if perm is implied by this
*/
public abstract boolean implies(Permission perm);

/**
 * Check to see if this object equals obj. Use <code>implies</code>, rather
 * than <code>equals</code>, when making access control decisions.
 *
 * @param obj the object to compare to
 */
public abstract boolean equals(Object obj);

/**
 * This method returns a hash code for this <code>Permission</code>. It
 * must satisfy the contract of <code>Object.hashCode</code>: it must be
 * the same for all objects that equals considers to be the same.
 *
 * @return a hash value
 */
public abstract int hashCode();

/**
 * Get the name of this <code>Permission</code>.
 *
 * @return the name
 */
public final String getName()
{
    return name;
}

/**
 * This method returns the list of actions for this <code>Permission</code>
 * as a <code>String</code>. The string should be in canonical order, for
 * example, both <code>new FilePermission(f, "write,read")</code> and
 * <code>new FilePermission(f, "read,write")</code> have the action list
 * "read,write".
 *
 * @return the action list for this <code>Permission</code>
 */
public abstract String getActions();

/**
 * This method returns an empty <code>PermissionCollection</code> object
 * that can store permissions of this type, or <code>null</code> if no
* such collection is defined. Subclasses must override this to provide
* an appropriate collection when one is needed to accurately calculate
* <code>implies</code>
*
* @return a new <code>PermissionCollection</code>
*/
public PermissionCollection newPermissionCollection()
{
    return null;
}

/**
* This method returns a <code>String</code> representation of this
* <code>Permission</code> object. This is in the format:
* <code>'(' + getClass().getName() + ' ' + getName() + ' ' + getActions
* + ')'</code>
* @return this object as a <code>String</code>
*/
public String toString()
{
    CPStringBuilder string = new CPStringBuilder();

    string = string.append('(');
    string = string.append(getClass().getName());
    string = string.append(' ');
    string = string.append(getName());
    string = string.append(' ');
    string = string.append(getActions());
    string = string.append(')');

    return string.toString();
}
} // class Permission

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Version 2.1, February 1999

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

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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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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      (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.

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

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

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

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

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That's all there is to it!

<?dbhtml filename="appendix_gpl.html"?>

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```bash
<screen>
<replaceable>program</replaceable> Copyright (C) <replaceable>year</replaceable> <replaceable>name of author</replaceable>
This program comes with ABSOLUTELY NO WARRANTY; for details type <literal>show w</literal>. This is free software, and you are welcome to redistribute it under certain conditions; type <literal>show c</literal> for details.
</screen>
```

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This script adjusts the copyright notices at the top of source files so that they have the form:

```
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```

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# This script adjusts the copyright notices at the top of source files # so that they have the form:

# Copyright XXXX-YYYY Free Software Foundation, Inc.
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
#    update-copyright.pl --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
#    update-copyright.pl --this-year libjava
#
# would run the script on just libjava/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__ (self):
        self.num_errors = 0

    def report (self, filename, string):
        if filename:
            string = filename + ': ' + string
        sys.stderr.write (string + '
')
        self.num_errors += 1

    def ok (self):
        return self.num_errors == 0
class GenericFilter:
    def __init__(self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set([
            # Skip licence files.
            'COPYING',
            'COPYING.LIB',
            'COPYING3',
            'COPYING3.LIB',
            'LICENSE',
            'fdl.texi',
            'gpl_v3.texi',
            'fdl-1.3.xml',
            'gpl-3.0.xml',

            # Skip auto- and libtool-related files
            'aclocal.m4',
            'compile',
            'config.guess',
            'config.sub',
            'decomp',
            'install-sh',
            'libtool.m4',
            'ltmain.sh',
            'ltoptions.m4',
            'ltversion.4',
            'lt~obsolete.m4',
            'missing',
            'mkdep',
            'mkinstalldirs',
            'move-if-change',
            'shlibpath.m4',
            'symlink-tree',
            'ylwrap',

            # Skip FSF mission statement, etc.
            'gnu.texi',
            'funding.texi',
            'appendix_free.xml',

            # Skip imported texinfo files.
def get_line_filter(self, dir, filename):
    if filename.startswith('ChangeLog '):
        # Ignore references to copyright in changelog entries.
        return re.compile(r'\t')
    return None

def skip_file(self, dir, filename):
    if filename in self.skip_files:
        return True
    (base, extension) = os.path.splitext(os.path.join(dir, filename))
    if extension in self.skip_extensions:
        return True
    if extension == '.in':
        # Skip .in files produced by automake.
        if os.path.exists(base + '.am'):
            return True
    # Skip files produced by autogen
    if (os.path.exists(base + '.def')
        and os.path.exists(base + '.tpl')):
        return True
    # Skip configure files produced by autoconf
    if filename == 'configure':
        if os.path.exists(base + '.ac'):
            return True
        if os.path.exists(base + '.in'):
            return True
    return False

def skip_dir(self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file(self, dir, filename):
    if filename in self.fossilised_files:
        return True
    # Only touch current current ChangeLogs.
    if filename != 'ChangeLog' and filename.find('ChangeLog') >= 0:
        return True
    return False
def by_package_author(self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__(self, errors):
        self.errors = errors

        # Characters in a range of years. Include '.' for typos.
        ranges = '[0-9]+([-0-9.,\s]+)*[0-9]'

        # Non-whitespace characters in a copyright holder's name.
        name = '[\w,.-]'

        # Matches one year.
        self.year_re = re.compile ('[0-9]+')

        # Matches part of a year or copyright holder.
        self.continuation_re = re.compile (ranges + '|' + name)

        # Matches a full copyright notice:
        self.copyright_re = re.compile (r'(\[Cc\]opyright\s+)?(' + name + '(?:\s?' + name + ')*)?\(\[Cc\]opyright\s+%s\)' + name + ' copyright = u"' + '@set\[s+copyright\[w-.]+')

        # A regexp for notices that might have slipped by. Just matching
        # 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
        # HTML header markers, so check for 'copyright' and two digits.
        self.other_copyright_re = re.compile ('copyright.*[0-9][0-9]',
re.IGNORECASE)
self.comment_re = re.compile('#+|[*]+|;+|%+|//+|@c |dnl '
self.holders = { '@copying': '@copying' }
self.holder_prefixes = set()

# True to 'quilt add' files before changing them.
self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s). Could be ',', ':
self.separator = ','

def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find (''
    while index >= 0:
        self.holder_prefixes.add (holder[:index])
        index = holder.find ('', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__ (self, year):
        self.year = year

    def __str__ (self):
        return 'unrecognised year: ' + self.year

def parse_year (self, string):
    year = int (string)
    if len (string) == 2:
        if year > 70:
            return year + 1900
        elif len (string) == 4:
            return year
        raise self.BadYear (string)

def year_range (self, years):
    year_list = [self.parse_year (year)
                  for year in self.year_re.findall (years)]
    assert len (year_list) > 0
    return (min (year_list), max (year_list))
def set_use_quilt (self, use_quilt):
    self.use_quilt = use_quilt

def include_year (self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years (self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith('@value'):
        return years

    (min_year, max_year) = self.year_range (years)

    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file (dir, filename):
        max_year = max (max_year, self.max_year)

    # Use a range.
    if min_year == max_year:
        return '%d' % min_year
    else:
        return '%d-%d' % (min_year, max_year)

def strip_continuation (self, line):
    line = line.lstrip()
    match = self.comment_re.match (line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete (self, match):
    holder = match.group (4)
    return (holder
            and (holder not in self.holder_prefixes
                 or holder in self.holders))

def update_copyright (self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join (dir, filename)

    intro = match.group (1)
    if intro.startswith('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end (2):].strip()
        if after_years != ':
            self.errors.report (pathname,
'trailing characters in @set: '
+ after_years)
    return (False, orig_line, next_line)
else:
    # If it looks like the copyright is incomplete, add the next line.
    while not self.is_complete (match):
        try:
            next_line = file.next()
        except StopIteration:
            break
    # If the next line doesn’t look like a proper continuation,
    # assume that what we’ve got is complete.
    continuation = self.strip_continuation (next_line)
    if not self.continuation_re.match (continuation):
        break
    # Merge the lines for matching purposes.
    orig_line += next_line
    line = line.rstrip() + ' ' + continuation
    next_line = None
    # Rematch with the longer line, at the original position.
    match = self.copyright_re.match (line, match.start())
    assert match
    holder = match.group (4)
    # Use the filter to test cases where markup is getting in the way.
    if filter.by_package_author (dir, filename):
        assert holder not in self.holders
    elif not holder:
        self.errors.report (pathname, 'missing copyright holder')
        return (False, orig_line, next_line)
    elif holder not in self.holders:
        self.errors.report (pathname,
            'unrecognised copyright holder: ' + holder)
        return (False, orig_line, next_line)
    else:
        # See whether the copyright is associated with the package
        # author.
        canon_form = self.holders[holder]
        if not canon_form:
            return (False, orig_line, next_line)
# Make sure the author is given in a consistent way.
line = (line[:match.start (4)]
    + canon_form
    + line[match.end (4):])

# Remove any 'by'
line = line[:match.start (3)] + line[match.end (3):]

# Update the copyright years.
years = match.group (2).strip()
try:
canon_form = self.canonicalise_years (dir, filename, filter, years)
except self.BadYear as e:
    self.errors.report (pathname, str (e))
    return (False, orig_line, next_line)

line = (line[:match.start (2)]
    + ('' if intro.startswith ('copyright = ') else ' ')
    + canon_form + self.separator
    + line[match.end (2):])

# Use the standard (C) form.
if intro.endswith ('right'):
    intro += ' (C)'
elif intro.endswith ('(c)'):
    intro = intro[:-3] + '(C)'
line = line[:match.start (1)] + intro + line[match.end (1):]

# Strip trailing whitespace
line = line.rstrip() + '
'
return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)
        except OSError:
            pass
        return

    lines = []
    changed = False
    line_filter = filter.get_line_filter (dir, filename)
    with open (pathname, 'r') as file:
        prev = None
for line in file:
    while line:
        next_line = None
        # Leave filtered-out lines alone.
        if not (line_filter and line_filter.match(line)):
            match = self.copyright_re.search(line)
            if match:
                res = self.update_copyright(dir, filename, filter, file, line, match)
                (this_changed, line, next_line) = res
                changed = changed or this_changed
        # Check for copyright lines that might have slipped by.
        elif self.other_copyright_re.search(line):
            self.errors.report(pathname, 'unrecognised copyright: %s' % line.strip())
            lines.append(line)
        line = next_line

    # If something changed, write the new file out.
    if changed and self.errors.ok():
        tmp_pathname = pathname + '.tmp'
        with open(tmp_pathname, 'w') as file:
            for line in lines:
                file.write(line)
        if self.use_quilt:
            subprocess.call(['quilt', 'add', pathname])
        os.rename(tmp_pathname, pathname)

    def process_tree(self, tree, filter):
        for (dir, subdirs, filenames) in os.walk(tree):
            # Don't recurse through directories that should be skipped.
            for i in xrange(len(subdirs) - 1, -1, -1):
                if filter.skip_dir(dir, subdirs[i]):
                    del subdirs[i]
            # Handle the files in this directory.
            for filename in filenames:
                if filter.skip_file(dir, filename):
                    sys.stdout.write('Skipping %s
' % os.path.join(dir, filename))
                else:
                    self.process_file(dir, filename, filter)

    class CmdLine:
        def __init__(self, copyright = Copyright):
            self.errors = Errors()
self.copyright = copyright (self.errors)
self.dirs = []
self.default_dirs = []
self.chosen_dirs = []
self.option_handlers = dict()
self.option_help = []

self.add_option ('--help', 'Print this help', self.o_help)
self.add_option ('--quilt', '"quilt add" files before changing them',
    self.o_quilt)
self.add_option ('--this-year', 'Add the current year to every notice',
    self.o_this_year)

def add_option (self, name, help, handler):
    self.option_help.append ((name, help))
    self.option_handlers[name] = handler

def add_dir (self, dir, filter = GenericFilter()):
    self.dirs.append ((dir, filter))

def o_help (self, option = None):
    sys.stdout.write ('Usage: %s [options] dir1 dir2...

    Options:
    %s

    Directories:
    %s
' % (sys.argv[0], '
'.join (format % (what, help) for (what, help) in self.option_help), '
'.join (dir + '
' if i % 3 == 0 or i == len (self.dirs) else format % dir for (i, (dir, filter)) in enumerate (self.dirs))))

    format = '%-25s'
    i = 0
    for (dir, filter) in self.dirs:
        i += 1
        if i % 3 == 0 or i == len (self.dirs):
            sys.stdout.write (dir + '
')
        else:
            sys.stdout.write (format % dir)
    sys.exit (0)

def o_quilt (self, option):
    self.copyright.set_use_quilt (True)

def o_this_year (self, option):
    self.copyright.include_year (time.localtime().tm_year)

def main (self):
    for arg in sys.argv[1:]:
        if arg[1:] != '-:
            self.chosen_dirs.append (arg)
elif arg in self.option_handlers:
    self.option_handlers[arg] (arg)
else:
    self.errors.report (None, 'unrecognised option: ' + arg)

if self.errors.ok():
    if len (self.chosen_dirs) == 0:
        self.chosen_dirs = self.default_dirs
    if len (self.chosen_dirs) == 0:
        self.o_help()
    else:
        for chosen_dir in self.chosen_dirs:
            canon_dir = os.path.join (chosen_dir, '')
            count = 0
            for (dir, filter) in self.dirs:
                if (dir + os.sep).startswith (canon_dir):
                    count += 1
                    self.copyright.process_tree (dir, filter)
            if count == 0:
                self.errors.report (None, 'unrecognised directory: ' + chosen_dir)
        sys.exit (0 if self.errors.ok() else 1)

#----------------------------------------------------------------------

class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True

class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    def skip_file (self, dir, filename):
        if filename.endswith ('.m4'):
            pathname = os.path.join (dir, filename)
            with open (pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find ('gettext-') >= 0:
                    return True
            return GenericFilter.skip_file (self, dir, filename)

class GCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set (['
            # Not part of GCC
            'math-68881.h',
            ...]
self.skip_dirs |= set([
    # Better not create a merge nightmare for the GNAT folks.
    'ada',

    # Handled separately.
    'testsuite',
])

self.skip_extensions |= set([
    # Maintained by the translation project.
    '.po',

    # Automatically-generated.
    '.pot',
])

self.fossilised_files |= set([
    # Old news won't be updated.
    'ONEWS',
])

class TestsuiteFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set([
            # Don't change the tests, which could be woend by anyone.
            '.c',
            '.C',
            '.cc',
            '.h',
            '.hs',
            '.f',
            '.f90',
            '.go',
            '.inc',
            '.java',
        ])

    def skip_file (self, dir, filename):
        # g++.niklas/README contains historical copyright information
        # and isn't updated.
        if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
            return True
        return GenericFilter.skip_file (self, dir, filename)
class LibCppFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set ([
            # Maintained by the translation project.
            '.po',
            
            # Automatically-generated.
            '.pot',
        ])

class LibGCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ([
            # Imported from GLIBC.
            'soft-fp',
        ])

class LibJavaFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ([
            # Handled separately.
            'testsuite',

            # Not really part of the library
            'contrib',

            # Imported from upstream
            'classpath',
            'libltdl',
        ])

    def get_line_filter (self, dir, filename):
        if filename == 'NameDecoder.h':
            return re.compile ('.*NAME_COPYRIGHT')
        if filename == 'ICC_Profile.h':
            return re.compile ('.*icSigCopyrightTag')
        return GenericFilter.get_line_filter (self, dir, filename)

class LibMudflapFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 5257
class LibStdCxxFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set ([
            # Contains no copyright of its own, but quotes the GPL.
            'intro.xml',
        ])

        self.skip_dirs |= set ([
            # Contains automatically-generated sources.
            'html',

            # The testsuite data files shouldn't be changed.
            'data',

            # Contains imported images
            'images',
        ])

        self.own_files |= set ([
            # Contains markup around the copyright owner.
            'spine.xml',
        ])

    def get_line_filter (self, dir, filename):
        if filename == 'boost_concept_check.h':
            return re.compile ('// \(C\) Copyright Jeremy Siek')
        return GenericFilter.get_line_filter (self, dir, filename)

class GCCCopyright (Copyright):
    def __init__ (self, errors):
        Copyright.__init__ (self, errors)

        canon_fsf = 'Free Software Foundation, Inc.'
        self.add_package_author ('Free Software Foundation', canon_fsf)
        self.add_package_author ('Free Software Foundation.', canon_fsf)
        self.add_package_author ('Free Software Foundation Inc.', canon_fsf)
        self.add_package_author ('The Free Software Foundation', canon_fsf)
        self.add_package_author ('The Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author ('Software Foundation, Inc.', canon_fsf)
        self.add_package_author ('Software Foundation, Inc.', canon_fsf)
class GCCCmdLine (CmdLine):
    def __init__ (self):
        CmdLine.__init__ (self, GCCCopyright)

        self.add_dir ('.', TopLevelFilter())
        # boehm-gc is imported from upstream.
        self.add_dir ('config', ConfigFilter())
        # contrib isn't really part of GCC.
        self.add_dir ('fixincludes')
        self.add_dir ('gcc', GCCFilter())
        self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir ('gnattools')
        self.add_dir ('include')
        self.add_dir ('libada')
        self.add_dir ('libatomic')
        self.add_dir ('libbacktrace')
        self.add_dir ('libcpp', LibCppFilter())
        self.add_dir ('libdecnumber')
        # libffi is imported from upstream.
        self.add_dir ('libgcc', LibGCCFilter())
import os

self.add_dir('libgfortran')
self.add_dir('libgomp')
self.add_dir('libiberty')
self.add_dir('libitm')
self.add_dir('libjava', LibJavaFilter())
self.add_dir(os.path.join('libjava', 'testsuite'), TestsuiteFilter())
self.add_dir('libmudflap', LibMudflapFilter())
self.add_dir(os.path.join('libmudflap', 'testsuite'), TestsuiteFilter())
self.add_dir('libobjc')
self.add_dir('libquadmath')

# libsanitiser is imported from upstream.
self.add_dir('libssp')
self.add_dir('libstdc++-v3', LibStdCxxFilter())
self.add_dir('lto-plugin')

# zlib is imported from upstream.

self.default_dirs = [
    'gcc',
    'libada',
    'libatomic',
    'libbacktrace',
    'libcpp',
    'libdecnumber',
    'libgcc',
    'libgfortran',
    'libgomp',
    'libitm',
    'libmudflap',
    'libobjc',
    'libstdc++-v3',
]

GCCCmdLine().main()

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```

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That's all there is to it!

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<table>
<thead>
<tr>
<th>Program</th>
<th>Directory</th>
</tr>
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<tbody>
<tr>
<td>mach_override</td>
<td>lib/interception/mach_override</td>
</tr>
</tbody>
</table>

/* Definitions for BSD assembler syntax for Intel 386 (actually AT&T syntax for insns and operands, adapted to BSD conventions for symbol names and debugging.)
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/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using underscores, we are using prefix `.s' to identify labels that should be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */
#define ASM_BYTE          "\t.byte\lt"
#define ASM_SHORT          "\t.word\lt"
#define ASM_LONG           "\t.long\lt"
#define ASM_QUAD           "\t.quad\lt"   /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS */
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line
   that says to advance the location counter by SIZE bytes. */
#define ASM_OUTPUT_SKIP(FILE,SIZE)   
fprintf (FILE, "\t.space HOST_WIDE_INT_PRINT_UNSIGNED\"\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line
to define a global common symbol. */
#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED)   
( fputs (".comm \", (FILE)),
 assemble_name ((FILE), (NAME)),
 fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line
to define a local common symbol. */
#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED)   
( fputs (".lcomm \", (FILE)),
 assemble_name ((FILE), (NAME)),
 fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)   
( fputs (".lcomm \", (FILE)),
 assemble_name ((FILE), (NAME)),
 fprintf ((FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line
   that says to advance the location counter
to a multiple of 2**LOG bytes. */
#define ASM_OUTPUT_ALIGN(FILE,LOG)
if ((LOG)!=0) fprintf ((FILE), "\t.align %d\u", (LOG))
/* This is how to store into the string BUF
the symbol_ref name of an internal numbered label where
PREFIX is the class of label and NUM is the number within the class.
This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER) 
    sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */
#define USER_LABEL_PREFIX "_"

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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``<java/security/Permissionjava/lang/Objectjava/security/Guardjava/io/SerializableserialVersionUIDJ
ConstantValue?(WQ~nameLjava/lang/String;<init>(Ljava/lang/String;)VCode
()VLineNumberTableLocalVariableTablethis$javasecurity/Permission;
checkGuard(Ljava/lang/Object;)V
! java/lang/System"#getSecurityManager()Ljava/lang/SecurityManager;
```cpp

// DO NOT EDIT THIS FILE - it is machine generated -*- c++ -*-

#ifndef __java_security_acl_Permission__
#define __java_security_acl_Permission__

#pragma interface

#include <java/lang/Object.h>
extern "Java"
{
    namespace java
    {
        namespace security
        {
            namespace acl
            {
                class Permission;
            }
        }
    }
}

class java::security::acl::Permission : public ::java::lang::Object
{
```
public:
    virtual jboolean equals(::java::lang::Object *) = 0;
    virtual ::java::lang::String * toString() = 0;
    static ::java::lang::Class class$;
} __attribute__((java_interface));

#endif // __java_security_acl_Permission__

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

HISTORY -

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

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

Some other contributors:

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

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

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Version 2, June 1991

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package java.security.acl;

/**
 * This interface provides information about a permission that can be
 * granted. Note that this is <em>not</em> the same as the class
 * <code>java.security.Permission</code>.
 * 
 * @version 0.0
 * @author Aaron M. Renn (arenn@urbanophile.com)
 */
public interface Permission
{
    /**
     * This method tests whether or not a specified <code>Permission</code>
     * (passed as an <code>Object</code>) is the same as this permission.
     *
* @param perm The permission to check for equality
*
* @return <code>true</code> if the specified permission is the same as this one, <code>false</code> otherwise
*/
boolean equals (Object perm);

/**
* This method returns this <code>Permission</code> as a <code>String</code>
*
* @return A <code>String</code> representing this permission.
*/
String toString();

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" Standard preamble:

.de Sh Subsection heading
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.if t .Sp
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.PP
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.PP
..
.. .de Sp Vertical space (when we can't use .PP)
.. .if t .sp .5v
.. .if n .sp
..
.. .de Vb Begin verbatim text
.. .ft CW
.. .nf \S1
.. .ne \S1
..
.. .de Ve End verbatim text
.. .ft R
.. .fi
..
.. Set up some character translations and predefined strings. \*(-- will give an unbreakable dash, \*(PI will give pi, \*(L" will give a left double quote, and \*(R" will give a right double quote. \*(C will give a nicer C++. Capital omega is used to do unbreakable dashes and therefore won't be available. \*(C and \*(C expand to " in nroff, nothing in troff, for use with C<>.
.. \tr \*(W-
.. .ds C+ C\v-.1\v'-1p\s-2+\v'-1p'+\s0\v'.1\v'-1p'
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Escape single quotes in literal strings from groff's Unicode transform.

If the F register is turned on, we'll generate index entries on stderr for titles (.TH), headers (.SH), subsections (.Sh), items (.Ip), and index entries marked with X<> in POD. Of course, you'll have to process the output yourself in some meaningful fashion.

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

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fudge factors for nroff and troff

simple accents for nroff and troff
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* distribution.
 */

By plainly marking modifications, something along the lines of adding to each
file that has been changed a "Modified by Foo Bar" line
underneath the "Written by" line would be adequate.

// DO NOT EDIT THIS FILE - it is machine generated -*- c++ -*-

#ifndef __gnu_javax_sound_AudioSecurityManager$Permission__
define __gnu_javax_sound_AudioSecurityManager$Permission__

#pragma interface

#include <java/lang/Enum.h>
#include <gcj/array.h>

extern "Java"
{
namespace gnu
{
namespace javax
{
namespace sound
{
class AudioSecurityManager$Permission;
}
}
}

class gnu::javax::sound::AudioSecurityManager$Permission : public ::java::lang::Enum
{

AudioSecurityManager$Permission(::java::lang::String *, jint);
public:
static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * values();
static ::gnu::javax::sound::AudioSecurityManager$Permission * valueOf(::java::lang::String *);
static ::gnu::javax::sound::AudioSecurityManager$Permission * PLAY;
static ::gnu::javax::sound::AudioSecurityManager$Permission * RECORD;
static ::gnu::javax::sound::AudioSecurityManager$Permission * ALL;
private:
static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * ENUM$VALUES;
public:
static ::java::lang::Class class$;
};

#ifndef // __gnu_javax_sound_AudioSecurityManager$Permission__

1.472 oauthlib 3.1.0
1.472.1 Available under license :

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1.473 python-setuptools 20.10.1
1.473.1 Available under license :

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1050086594_1591660967.89/0/setuptools-20-10-1-1-tar-gz/setuptools-
have to include the entire setuptools package in your distributions. By including just a single `bootstrap module` (a 12K .py file), your package will automatically download and install `setuptools` if the user is building your package from source and doesn't have a suitable version already installed.

.. _bootstrap module: https://bootstrap.pypa.io/ez_setup.py

Feature Highlights:

* Automatically find/download/install/upgrade dependencies at build time using the `EasyInstall tool <easy_install.html>`_, which supports downloading via HTTP, FTP, Subversion, and SourceForge, and automatically scans web pages linked from PyPI to find download links. (It's the closest thing to CPAN currently available for Python.)

* Create `Python Eggs <http://peak.telecommunity.com/DevCenter/PythonEggs>`_ - a single-file importable distribution format

* Enhanced support for accessing data files hosted in zipped packages.

* Automatically include all packages in your source tree, without listing them individually in setup.py

* Automatically include all relevant files in your source distributions, without needing to create a ``MANIFEST.in`` file, and without having to force regeneration of the ``MANIFEST`` file when your source tree changes.

* Automatically generate wrapper scripts or Windows (console and GUI) .exe files for any number of "main" functions in your project. (Note: this is not a py2exe replacement; the .exe files rely on the local Python installation.)

* Transparent Pyrex support, so that your setup.py can list ``.pyx`` files and still work even when the end-user doesn't have Pyrex installed (as long as you include the Pyrex-generated C in your source distribution)

* Command aliases - create project-specific, per-user, or site-wide shortcut names for commonly used commands and options

* PyPI upload support - upload your source distributions and eggs to PyPI

* Deploy your project in "development mode", such that it's available on ``sys.path``, yet can still be edited directly from its source checkout.

* Easily extend the distutils with new commands or `setup()` arguments, and distribute/reuse your extensions for multiple projects, without copying code.

* Create extensible applications and frameworks that automatically discover extensions, using simple "entry points" declared in a project's setup script.
In addition to the PyPI downloads, the development version of `setuptools` is available from the `Python SVN sandbox` and in-development versions of the `0.6 branch` are available as well.

.. _0.6 branch: http://svn.python.org/projects/sandbox/branches/setuptools-0.6/#egg=setuptools-dev06

.. _Python SVN sandbox: http://svn.python.org/projects/sandbox/trunk/setuptools/#egg=setuptools-dev

.. contents:: **Table of Contents**

.. _ez_setup.py: `bootstrap module`

Developer's Guide

Installing `setuptools`

Please follow the `EasyInstall Installation Instructions` to install the current stable version of setuptools. In particular, be sure to read the section on `Custom Installation Locations` if you are installing anywhere other than Python's `site-packages` directory.

.. _EasyInstall Installation Instructions: easy_install.html#installation-instructions

.. _Custom Installation Locations: easy_install.html#custom-installation-locations

If you want the current in-development version of setuptools, you should first install a stable version, and then run::

    ez_setup.py setuptools==dev

This will download and install the latest development (i.e. unstable) version of setuptools from the Python Subversion sandbox.

Basic Use

For basic use of setuptools, just import things from setuptools instead of the distutils. Here's a minimal setup script using setuptools::

    from setuptools import setup, find_packages
    setup(
name = "HelloWorld",
version = "0.1",
packages = find_packages(),
)

As you can see, it doesn't take much to use setuptools in a project. Run that script in your project folder, alongside the Python packages you have developed.

Invoke that script to produce eggs, upload to PyPI, and automatically include all packages in the directory where the setup.py lives. See the `Command Reference` section below to see what commands you can give to this setup script. For example, to produce a source distribution, simply invoke::

    python setup.py sdist

Of course, before you release your project to PyPI, you'll want to add a bit more information to your setup script to help people find or learn about your project. And maybe your project will have grown by then to include a few dependencies, and perhaps some data files and scripts::

    from setuptools import setup, find_packages
    setup(
        name = "HelloWorld",
        version = "0.1",
        packages = find_packages(),
        scripts = ['say_hello.py'],

        # Project uses reStructuredText, so ensure that the docutils get
        # installed or upgraded on the target machine
        install_requires = ['docutils>=0.3'],

        package_data = {
            # If any package contains *.txt or *.rst files, include them:
            ': ["*.txt", '*.rst'],
            # And include any *.msg files found in the 'hello' package, too:
            'hello': ["*.msg"],
        },

        # metadata for upload to PyPI
        author = "Me",
        author_email = "me@example.com",
        description = "This is an Example Package",
        license = "PSF",
        keywords = 'hello world example examples",
        url = "http://example.com/HelloWorld/",  # project home page, if any
In the sections that follow, we'll explain what most of these `setup()` arguments do (except for the metadata ones), and the various ways you might use them in your own project(s).

Specifying Your Project's Version
---------------------------------

Setuptools can work well with most versioning schemes; there are, however, a few special things to watch out for, in order to ensure that setuptools and EasyInstall can always tell what version of your package is newer than another version. Knowing these things will also help you correctly specify what versions of other projects your project depends on.

A version consists of an alternating series of release numbers and pre-release or post-release tags. A release number is a series of digits punctuated by dots, such as `2.4` or `0.5`. Each series of digits is treated numerically, so releases `2.1` and `2.1.0` are different ways to spell the same release number, denoting the first subrelease of release 2. But `2.10` is the *tenth* subrelease of release 2, and so is a different and newer release from `2.1` or `2.1.0`. Leading zeros within a series of digits are also ignored, so `2.01` is the same as `2.1`, and different from `2.0.1`.

Following a release number, you can have either a pre-release or post-release tag. Pre-release tags make a version be considered *older* than the version they are appended to. So, revision `2.4c1` is *newer* than revision `2.4e1`, which in turn is newer than `2.4b1` or `2.4a1`. Postrelease tags make a version be considered *newer* than the version they are appended to. So, revisions like `2.4-1` and `2.4p3` are newer than `2.4`, but are *older* than `2.4.1` (which has a higher release number).

A pre-release tag is a series of letters that are alphabetically before "final". Some examples of prerelease tags would include `alpha`, `beta`, `a`, `c`, `dev`, and so on. You do not have to place a dot or dash before the prerelease tag if it's immediately after a number, but it's okay to do so if you prefer. Thus, `2.4c1` and `2.4-e1` and `2.4.e1` all represent release candidate 1 of version `2.4`, and are treated as identical by setuptools.

In addition, there are three special prerelease tags that are treated as if they were the letter "c": "pre", "preview", and "rc". So, version `2.4rc1`, `2.4pre1` and `2.4preview1` are all the exact same version as `2.4c1`, and are treated as identical by setuptools.

A post-release tag is either a series of letters that are alphabetically
greater than or equal to "final", or a dash ("-"). Post-release tags are
generally used to separate patch numbers, port numbers, build numbers, revision
numbers, or date stamps from the release number. For example, the version
``2.4-r1263`` might denote Subversion revision 1263 of a post-release patch of
version ``2.4``. Or you might use ``2.4-20051127`` to denote a date-stamped
post-release.

Notice that after each pre or post-release tag, you are free to place another
release number, followed again by more pre- or post-release tags. For example,
``0.6a9.dev-r41475`` could denote Subversion revision 41475 of the in-
development version of the ninth alpha of release 0.6. Notice that ``dev`` is
a pre-release tag, so this version is a *lower* version number than ``0.6a9``,
which would be the actual ninth alpha of release 0.6. But the ``-r41475`` is
a post-release tag, so this version is *newer* than ``0.6a9.dev``.

For the most part, setuptools' interpretation of version numbers is intuitive,
but here are a few tips that will keep you out of trouble in the corner cases:

* Don't stick adjoining pre-release tags together without a dot or number
  between them. Version ``1.9adev`` is the "adev" prerelease of "1.9``,
*not* a development pre-release of "1.9a``. Use "dev`` instead, as in
``1.9a.dev``, or separate the prerelease tags with a number, as in
``1.9a0dev``. "1.9a.dev``, "1.9a0dev``, and even "1.9.a.dev`` are
identical versions from setuptools' point of view, so you can use whatever
scheme you prefer.

* If you want to be certain that your chosen numbering scheme works the way
  you think it will, you can use the "pkg_resources.parse_version()`` function
to compare different version numbers::

  >>> from pkg_resources import parse_version
  >>> parse_version('1.9.a.dev') == parse_version('1.9a0dev')
  True
  >>> parse_version('2.1-rc2') < parse_version('2.1')
  True
  >>> parse_version('0.6a9dev-r41475') < parse_version('0.6a9')
  True

Once you've decided on a version numbering scheme for your project, you can
have setuptools automatically tag your in-development releases with various
pre- or post-release tags. See the following sections for more details:

* `Tagging and "Daily Build" or "Snapshot" Releases`_
* `Managing "Continuous Releases" Using Subversion`_
* The `egg_info`_ command

New and Changed `setup()` Keywords
The following keyword arguments to `setup()` are added or changed by `setuptools`. All of them are optional; you do not have to supply them unless you need the associated `setuptools` feature.

``include_package_data``
If set to `True`, this tells `setuptools` to automatically include any data files it finds inside your package directories that are specified by your `MANIFEST.in` file. For more information, see the section below on `Including Data Files`.

``exclude_package_data``
A dictionary mapping package names to lists of glob patterns that should be *excluded* from your package directories. You can use this to trim back any excess files included by `include_package_data`. For a complete description and examples, see the section below on `Including Data Files`.

``package_data``
A dictionary mapping package names to lists of glob patterns. For a complete description and examples, see the section below on `Including Data Files`. You do not need to use this option if you are using `include_package_data`, unless you need to add e.g. files that are generated by your setup script and build process. (And are therefore not in source control or are files that you don't want to include in your source distribution.)

``zip_safe``
A boolean (True or False) flag specifying whether the project can be safely installed and run from a zip file. If this argument is not supplied, the `bdist_egg` command will have to analyze all of your project's contents for possible problems each time it builds an egg.

``install_requires``
A string or list of strings specifying what other distributions need to be installed when this one is. See the section below on `Declaring Dependencies` for details and examples of the format of this argument.

``entry_points``
A dictionary mapping entry point group names to strings or lists of strings defining the entry points. Entry points are used to support dynamic discovery of services or plugins provided by a project. See `Dynamic Discovery of Services and Plugins` for details and examples of the format of this argument. In addition, this keyword is used to support `Automatic Script Creation`.

``extras_require``
A dictionary mapping names of "extras" (optional features of your project)
to strings or lists of strings specifying what other distributions must be installed to support those features. See the section below on `Declaring Dependencies`_ for details and examples of the format of this argument.

`"setup_requires"`

A string or list of strings specifying what other distributions need to be present in order for the *setup script* to run. `"setuptools"` will attempt to obtain these (even going so far as to download them using `"EasyInstall"`) before processing the rest of the setup script or commands. This argument is needed if you are using distutils extensions as part of your build process; for example, extensions that process setup() arguments and turn them into EGG-INFO metadata files.

(Note: projects listed in `"setup_requires"` will NOT be automatically installed on the system where the setup script is being run. They are simply downloaded to the `.eggs` directory if they're not locally available already. If you want them to be installed, as well as being available when the setup script is run, you should add them to `"install_requires"` **and** `"setup_requires"`.)

`"dependency_links"`

A list of strings naming URLs to be searched when satisfying dependencies. These links will be used if needed to install packages specified by `"setup_requires"` or `"tests_require"`. They will also be written into the egg's metadata for use by tools like EasyInstall to use when installing an `".egg"` file.

`"namespace_packages"`

A list of strings naming the project's "namespace packages". A namespace package is a package that may be split across multiple project distributions. For example, Zope 3's `"zope"` package is a namespace package, because subpackages like `"zope.interface"` and `"zope.publisher"` may be distributed separately. The egg runtime system can automatically merge such subpackages into a single parent package at runtime, as long as you declare them in each project that contains any subpackages of the namespace package, and as long as the namespace package's `"__init__.py"` does not contain any code other than a namespace declaration. See the section below on `Namespace Packages`_ for more information.

`"test_suite"`

A string naming a `"unittest.TestCase"` subclass (or a package or module containing one or more of them, or a method of such a subclass), or naming a function that can be called with no arguments and returns a `"unittest.TestSuite"`. If the named suite is a module, and the module has an `"additional_tests()"` function, it is called and the results are added to the tests to be run. If the named suite is a package, any submodules and subpackages are recursively added to the overall test suite.
Specifying this argument enables use of the `test` command to run the specified test suite, e.g. via `setup.py test`. See the section on the `test` command below for more details.

``tests_require``

If your project’s tests need one or more additional packages besides those needed to install it, you can use this option to specify them. It should be a string or list of strings specifying what other distributions need to be present for the package’s tests to run. When you run the `test` command, `setuptools` will attempt to obtain these (even going so far as to download them using `EasyInstall`). Note that these required projects will not be installed on the system where the tests are run, but only downloaded to the project’s setup directory if they’re not already installed locally.

.. _test_loader:

``test_loader``

If you would like to use a different way of finding tests to run than what setuptools normally uses, you can specify a module name and class name in this argument. The named class must be instantiable with no arguments, and its instances must support the `loadTestsFromNames()` method as defined in the Python `unittest` module’s `TestLoader` class. Setuptools will pass only one test “name” in the ‘names’ argument: the value supplied for the ‘test_suite’ argument. The loader you specify may interpret this string in any way it likes, as there are no restrictions on what may be contained in a ‘test_suite’ string.

The module name and class name must be separated by a `:`. The default value of this argument is `setuptools.command.test:ScanningLoader`. If you want to use the default `unittest` behavior, you can specify `unittest:TestLoader` as your `test_loader` argument instead. This will prevent automatic scanning of submodules and subpackages.

The module and class you specify here may be contained in another package, as long as you use the `tests_require` option to ensure that the package containing the loader class is available when the `test` command is run.

``eager_resources``

A list of strings naming resources that should be extracted together, if any of them is needed, or if any C extensions included in the project are imported. This argument is only useful if the project will be installed as a zipfile, and there is a need to have all of the listed resources be extracted to the filesystem as a unit. Resources listed here should be `/`-separated paths, relative to the source root, so to list a resource `foo.png` in package `bar.baz`, you would include the string `bar/baz/foo.png` in this argument.
If you only need to obtain resources one at a time, or you don't have any C extensions that access other files in the project (such as data files or shared libraries), you probably do NOT need this argument and shouldn't mess with it. For more details on how this argument works, see the section below on 'Automatic Resource Extraction'_.

``use_2to3``
Convert the source code from Python 2 to Python 3 with 2to3 during the build process. See :doc:`python3` for more details.

``convert_2to3_doctests``
List of doctest source files that need to be converted with 2to3.
See :doc:`python3` for more details.

``use_2to3_fixers``
A list of modules to search for additional fixers to be used during the 2to3 conversion. See :doc:`python3` for more details.

Using ``find_packages()``

For simple projects, it's usually easy enough to manually add packages to the ``packages`` argument of ``setup()``. However, for very large projects (Twisted, PEAK, Zope, Chandler, etc.), it can be a big burden to keep the package list updated. That's what ``setuptools.find_packages()`` is for.

``find_packages()`` takes a source directory and two lists of package name patterns to exclude and include. If omitted, the source directory defaults to the same directory as the setup script. Some projects use a ``src`` or ``lib`` directory as the root of their source tree, and those projects would of course use ``'src''`` or ``'lib''`` as the first argument to ``find_packages()``. (And such projects also need something like ``'package_dir = {':'src'}'' in their ``setup()`` arguments, but that's just a normal distutils thing.)

Anyway, ``find_packages()`` walks the target directory, filtering by inclusion patterns, and finds Python packages (any directory). On Python 3.2 and earlier, packages are only recognized if they include an ``'__init__.py'`` file. Finally, exclusion patterns are applied to remove matching packages.

Inclusion and exclusion patterns are package names, optionally including wildcards. For example, ``find_packages(exclude=['*.tests'])`` will exclude all packages whose last name part is ``'tests'``. Or, ``find_packages(exclude=['*.tests', '*.tests.*'])`` will also exclude any subpackages of packages named ``'tests'``, but it still won't exclude a top-level ``'tests'`` package or the children thereof. In fact, if you really want no ``'tests'`` packages at all, you'll need
something like this:

```python
find_packages(exclude=["*.tests", "*.tests.*", "tests.", "tests"])
```

in order to cover all the bases. Really, the exclusion patterns are intended
to cover simpler use cases than this, like excluding a single, specified
package and its subpackages.

Regardless of the parameters, the `find_packages()`
function returns a list of package names suitable for use as the `packages`
argument to `setup()`, and so is usually the easiest way to set that
argument in your setup script. Especially since it frees you from having to
remember to modify your setup script whenever your project grows additional
top-level packages or subpackages.

Automatic Script Creation
========================

Packaging and installing scripts can be a bit awkward with the distutils. For
one thing, there's no easy way to have a script's filename match local
conventions on both Windows and POSIX platforms. For another, you often have
to create a separate file just for the "main" script, when your actual "main"
is a function in a module somewhere. And even in Python 2.4, using the `-m`
option only works for actual `.py` files that aren't installed in a package.

`setuptools` fixes all of these problems by automatically generating scripts
for you with the correct extension, and on Windows it will even create an
`.exe` file so that users don't have to change their `PATHEXT` settings.
The way to use this feature is to define "entry points" in your setup script
that indicate what function the generated script should import and run. For
example, to create two console scripts called "foo" and "bar", and a GUI
script called "baz", you might do something like this:

```python
setup(
    # other arguments here...
    entry_points=
    {                     
      'console_scripts': [
        'foo = my_package.some_module:main_func',
        'bar = other_module:some_func',
      ],
      'gui_scripts': [
        'baz = my_package_gui:start_func',
      ]
    }
)
```

When this project is installed on non-Windows platforms (using "setup.py
install", "setup.py develop", or by using EasyInstall), a set of "foo", "bar", and "baz" scripts will be installed that import "main_func" and "some_func" from the specified modules. The functions you specify are called with no arguments, and their return value is passed to "sys.exit()", so you can return an errorlevel or message to print to stderr.

On Windows, a set of "foo.exe", "bar.exe", and "baz.exe" launchers are created, alongside a set of "foo.py", "bar.py", and "baz.pyw" files. The "exe" wrappers find and execute the right version of Python to run the "py" or "pyw" file.

You may define as many "console script" and "gui script" entry points as you like, and each one can optionally specify "extras" that it depends on, that will be added to "sys.path" when the script is run. For more information on "extras", see the section below on 'Declaring Extras'. For more information on "entry points" in general, see the section below on 'Dynamic Discovery of Services and Plugins'.

"Eggsecutable" Scripts

Occasionally, there are situations where it's desirable to make an "eggs" file directly executable. You can do this by including an entry point such as the following:

```python
setup(  
    # other arguments here...  
    entry_points = {  
        'setuptools.installation': [  
            'eggsecutable = my_package.some_module:main_func',  
        ]  
    }  
)
```

Any eggs built from the above setup script will include a short executable prelude that imports and calls "main_func()" from "my_package.some_module". The prelude can be run on Unix-like platforms (including Mac and Linux) by invoking the egg with "/bin/sh", or by enabling execute permissions on the "egg" file. For the executable prelude to run, the appropriate version of Python must be available via the "PATH" environment variable, under its "long" name. That is, if the egg is built for Python 2.3, there must be a "python2.3" executable present in a directory on "PATH".

This feature is primarily intended to support ez_setup the installation of setuptools itself on non-Windows platforms, but may also be useful for other projects as well.
IMPORTANT NOTE: Eggs with an "eggexecutable" header cannot be renamed, or invoked via symlinks. They *must* be invoked using their original filename, in order to ensure that, once running, `pkg_resources` will know what project and version is in use. The header script will check this and exit with an error if the `.egg` file has been renamed or is invoked via a symlink that changes its base name.

Declaring Dependencies
========================

``setuptools`` supports automatically installing dependencies when a package is installed, and including information about dependencies in Python Eggs (so that package management tools like EasyInstall can use the information).

``setuptools`` and `pkg_resources` use a common syntax for specifying a project's required dependencies. This syntax consists of a project's PyPI name, optionally followed by a comma-separated list of "extras" in square brackets, optionally followed by a comma-separated list of version specifiers. A version specifier is one of the operators ```<```, ```>``, ```<``=```, ```>``=```, ```==``` or ```!=```, followed by a version identifier. Tokens may be separated by whitespace, but any whitespace or nonstandard characters within a project name or version identifier must be replaced with ```-```.

Version specifiers for a given project are internally sorted into ascending version order, and used to establish what ranges of versions are acceptable. Adjacent redundant conditions are also consolidated (e.g. ```>1, >2``` becomes ```>1```, and ```<2, <3``` becomes ```<3```). ```!=``` versions are excised from the ranges they fall within. A project's version is then checked for membership in the resulting ranges. (Note that providing conflicting conditions for the same version (e.g. ```<2,>=2``` or ```==2,!=2```) is meaningless and may therefore produce bizarre results.)

Here are some example requirement specifiers:

```
docutils >= 0.3

# comment lines and \ continuations are allowed in requirement strings
BazSpam ==1.1, ==1.2, ==1.3, ==1.4, ==1.5, 
    ==1.6, ==1.7  # and so are line-end comments

PEAK[FastCGI, reST]>=0.5a4

setuptools==0.5a7
```

The simplest way to include requirement specifiers is to use the `install_requires` argument to `setup()`. It takes a string or list of strings containing requirement specifiers. If you include more than one
requirement in a string, each requirement must begin on a new line.

This has three effects:

1. When your project is installed, either by using EasyInstall, `setup.py install` or `setup.py develop`, all of the dependencies not already installed will be located (via PyPI), downloaded, built (if necessary), and installed.

2. Any scripts in your project will be installed with wrappers that verify the availability of the specified dependencies at runtime, and ensure that the correct versions are added to `sys.path` (e.g. if multiple versions have been installed).

3. Python Egg distributions will include a metadata file listing the dependencies.

Note, by the way, that if you declare your dependencies in `setup.py`, you do *not* need to use the `require()` function in your scripts or modules, as long as you either install the project or use `setup.py develop` to do development work on it. (See `"Development Mode"` below for more details on using `setup.py develop`.)

Dependencies that aren't in PyPI
-----------------------------------------------

If your project depends on packages that aren't registered in PyPI, you may still be able to depend on them, as long as they are available for download as:

- an egg, in the standard distutils `sdist` format,
- a single `.py` file, or
- a VCS repository (Subversion, Mercurial, or Git).

You just need to add some URLs to the `dependency_links` argument to `setup()`.

The URLs must be either:

1. direct download URLs,
2. the URLs of web pages that contain direct download links, or
3. the repository's URL.

In general, it's better to link to web pages, because it is usually less complex to update a web page than to release a new version of your project. You can also use a SourceForge `showfiles.php` link in the case where a package you depend on is distributed via SourceForge.
If you depend on a package that's distributed as a single `.py` file, you must include an `#egg=project-version` suffix to the URL, to give a project name and version number. (Be sure to escape any dashes in the name or version by replacing them with underscores.) EasyInstall will recognize this suffix and automatically create a trivial `setup.py` to wrap the single `.py` file as an egg.

In the case of a VCS checkout, you should also append `#egg=project-version` in order to identify for what package that checkout should be used. You can append `@REV` to the URL's path (before the fragment) to specify a revision. Additionally, you can also force the VCS being used by prepending the URL with a certain prefix. Currently available are:

- `svn+URL` for Subversion,
- `git+URL` for Git, and
- `hg+URL` for Mercurial

A more complete example would be:

```
``vcs+proto://host/path@revision#egg=project-version``
```

Be careful with the version. It should match the one inside the project files. If you want to disregard the version, you have to omit it both in the `requires` and in the URL's fragment.

This will do a checkout (or a clone, in Git and Mercurial parlance) to a temporary folder and run `setup.py bdist_egg`.

The `dependency_links` option takes the form of a list of URL strings. For example, the below will cause EasyInstall to search the specified page for eggs or source distributions, if the package's dependencies aren't already installed::

```python
setup(
    ...
    dependency_links = [
        "http://peak.telecommunity.com/snapshots/
    ],
)
```

.. _Declaring Extras:

Declaring "Extras" (optional features with their own dependencies)

------------------------------------------------------------------
Sometimes a project has "recommended" dependencies, that are not required for all uses of the project. For example, a project might offer optional PDF output if ReportLab is installed, and reStructuredText support if docutils is installed. These optional features are called "extras", and setuptools allows you to define their requirements as well. In this way, other projects that require these optional features can force the additional requirements to be installed, by naming the desired extras in their `install_requires`.

For example, let's say that Project A offers optional PDF and reST support:

```python
setup(
    name="Project-A",
    ...
    extras_require = {
        'PDF': ['ReportLab>=1.2', 'RXP'],
        'reST': ['docutils>=0.3'],
    }
)
```

As you can see, the `extras_require` argument takes a dictionary mapping names of "extra" features, to strings or lists of strings describing those features' requirements. These requirements will *not* be automatically installed unless another package depends on them (directly or indirectly) by including the desired "extras" in square brackets after the associated project name. (Or if the extras were listed in a requirement spec on the EasyInstall command line.)

Extras can be used by a project's `entry_points` to specify dynamic dependencies. For example, if Project A includes a "rst2pdf" script, it might declare it like this, so that the "PDF" requirements are only resolved if the "rst2pdf" script is run:

```python
setup(
    name="Project-A",
    ...
    entry_points = {
        'console_scripts': [
            'rst2pdf = project_a.tools.pdfgen [PDF]',
            'rst2html = project_a.tools.htmlgen',
            # more script entry points ...
        ],
    }
)
```

Projects can also use another project's extras when specifying dependencies. For example, if project B needs "project A" with PDF support installed, it might declare the dependency like this:
setup(
    name="Project-B",
    install_requires = ["Project-A[PDF]"],
    ...
)

This will cause ReportLab to be installed along with project A, if project B is installed -- even if project A was already installed. In this way, a project can encapsulate groups of optional "downstream dependencies" under a feature name, so that packages that depend on it don't have to know what the downstream dependencies are. If a later version of Project A builds in PDF support and no longer needs ReportLab, or if it ends up needing other dependencies besides ReportLab in order to provide PDF support, Project B's setup information does not need to change, but the right packages will still be installed if needed.

Note, by the way, that if a project ends up not needing any other packages to support a feature, it should keep an empty requirements list for that feature in its `extras_require` argument, so that packages depending on that feature don't break (due to an invalid feature name). For example, if Project A above builds in PDF support and no longer needs ReportLab, it could change its setup to this::

```
setup(
    name="Project-A",
    ...
    extras_require = {
        'PDF': [],
        'reST': ["docutils>=0.3"],
    }
)
```

so that Package B doesn't have to remove the `"[PDF]"` from its requirement specifier.

Including Data Files

The distutils have traditionally allowed installation of "data files", which are placed in a platform-specific location. However, the most common use case for data files distributed with a package is for use *by* the package, usually by including the data files in the package directory.

Distutils offers three ways to specify data files to be included in your packages. First, you can simply use the `include_package_data` keyword, e.g.::

```
from setuptools import setup, find_packages
```
setup(
    ...
    include_package_data = True
)

This tells setuptools to install any data files it finds in your packages. The data files must be specified via the distutils’ `MANIFEST.in` file. (They can also be tracked by a revision control system, using an appropriate plugin. See the section below on `Adding Support for Revision Control Systems` for information on how to write such plugins.)

If you want finer-grained control over what files are included (for example, if you have documentation files in your package directories and want to exclude them from installation), then you can also use the `package_data` keyword, e.g.::

    from setuptools import setup, find_packages
    setup(
        ...
        package_data = {
            # If any package contains *.txt or *.rst files, include them:
            '*': ['*.txt', '*.rst'],
            # And include any *.msg files found in the 'hello' package, too:
            'hello': ['*.msg'],
        }
    )

The `package_data` argument is a dictionary that maps from package names to lists of glob patterns. The globs may include subdirectory names, if the data files are contained in a subdirectory of the package. For example, if the package tree looks like this::

    setup.py
    src/
    mypkg/
        __init__.py
        mypkg.txt
    data/
        somefile.dat
        otherdata.dat

The setuptools setup file might look like this::

    from setuptools import setup, find_packages
    setup(
        ...
        packages = find_packages('src'), # include all packages under src
        package_dir = {'': 'src'},    # tell distutils packages are under src
package_data = {
    # If any package contains *.txt files, include them:
    "": ["*.txt"],
    # And include any *.dat files found in the 'data' subdirectory
    # of the 'mypkg' package, also:
    'mypkg': ['data/*.dat'],
}
)

Notice that if you list patterns in `package_data` under the empty string, these patterns are used to find files in every package, even ones that also have their own patterns listed. Thus, in the above example, the `mypkg.txt` file gets included even though it's not listed in the patterns for `"mypkg"`.

Also notice that if you use paths, you *must* use a forward slash (`/`) as the path separator, even if you are on Windows. SetupTools automatically converts slashes to appropriate platform-specific separators at build time.

(Note: although the `package_data` argument was previously only available in `setuptools`, it was also added to the Python `distutils` package as of Python 2.4; there is `some documentation for the feature` available on the python.org website. If using the setuptools-specific `include_package_data` argument, files specified by `package_data` will *not* be automatically added to the manifest unless they are listed in the MANIFEST.in file.)

__ http://docs.python.org/dist/node11.html

Sometimes, the `include_package_data` or `package_data` options alone aren't sufficient to precisely define what files you want included. For example, you may want to include package README files in your revision control system and source distributions, but exclude them from being installed. So, setuptools offers an `exclude_package_data` option as well, that allows you to do things like this::

```python
from setuptools import setup, find_packages
setup(
    ...
    package_dir = {'': 'src'},  # tell distutils packages are under src
    include_package_data = True,  # include everything in source control
    ...
    # ..but exclude README.txt from all packages
    exclude_package_data = { "": ['README.txt'] },
)
```

The `exclude_package_data` option is a dictionary mapping package names to
lists of wildcard patterns, just like the `package_data` option. And, just as with that option, a key of `''` will apply the given pattern(s) to all packages. However, any files that match these patterns will be *excluded* from installation, even if they were listed in `package_data` or were included as a result of using `include_package_data`.

In summary, the three options allow you to:

```
include_package_data``
Accept all data files and directories matched by `MANIFEST.in`.

```
package_data``
Specify additional patterns to match files and directories that may or may not be matched by `MANIFEST.in` or found in source control.

```
exclude_package_data``
Specify patterns for data files and directories that should *not* be included when a package is installed, even if they would otherwise have been included due to the use of the preceding options.

NOTE: Due to the way the distutils build process works, a data file that you include in your project and then stop including may be "orphaned" in your project's build directories, requiring you to run ``setup.py clean --all`` to fully remove them. This may also be important for your users and contributors if they track intermediate revisions of your project using Subversion; be sure to let them know when you make changes that remove files from inclusion so they can run ``setup.py clean --all``.

Accessing Data Files at Runtime
-------------------------------

Typically, existing programs manipulate a package's `__file__` attribute in order to find the location of data files. However, this manipulation isn't compatible with PEP 302-based import hooks, including importing from zip files and Python Eggs. It is strongly recommended that, if you are using data files, you should use the `Resource Management API` of `pkg_resources` to access them. The `pkg_resources` module is distributed as part of setuptools, so if you're using setuptools to distribute your package, there is no reason not to use its resource management API. See also `Accessing Package Resources` for a quick example of converting code that uses `__file__` to use `pkg_resources` instead.

.. _Resource Management API: http://peak.telecommunity.com/DevCenter/PythonEggs#resource-management
.. _Accessing Package Resources: http://peak.telecommunity.com/DevCenter/PythonEggs#accessing-package-resources
Non-Package Data Files

The `distutils` normally install general "data files" to a platform-specific location (e.g., `/usr/share`). This feature intended to be used for things like documentation, example configuration files, and the like. `setuptools` does not install these data files in a separate location, however. They are bundled inside the egg file or directory, alongside the Python modules and packages. The data files can also be accessed using the `Resource Management API`, by specifying a `Requirement` instead of a package name:

```python
from pkg_resources import Requirement, resource_filename
filename = resource_filename(Requirement.parse("MyProject"),"sample.conf")
```

The above code will obtain the filename of the "sample.conf" file in the data root of the "MyProject" distribution.

Note, by the way, that this encapsulation of data files means that you can't actually install data files to some arbitrary location on a user's machine; this is a feature, not a bug. You can always include a script in your distribution that extracts and copies the documentation or data files to a user-specified location, at their discretion. If you put related data files in a single directory, you can use `resource_filename()` with the directory name to get a filesystem directory that then can be copied with the `shutil` module. (Even if your package is installed as a zipfile, calling `resource_filename()` on a directory will return an actual filesystem directory, whose contents will be that entire subtree of your distribution.)

(Of course, if you're writing a new package, you can just as easily place your data files or directories inside one of your packages, rather than using the distutils' approach. However, if you're updating an existing application, it may be simpler not to change the way it currently specifies these data files.)

Automatic Resource Extraction

If you are using tools that expect your resources to be "real" files, or your project includes non-extension native libraries or other files that your C extensions expect to be able to access, you may need to list those files in the `eager_resources` argument to `setup()`, so that the files will be extracted together, whenever a C extension in the project is imported.

This is especially important if your project includes shared libraries *other* than distutils-built C extensions, and those shared libraries use file extensions other than `.dll`, `.so`, or `.dylib`, which are the extensions that setuptools 0.6a8 and higher automatically detects as shared libraries and adds to the `native_libs.txt` file for you. Any shared
libraries whose names do not end with one of those extensions should be listed as ``eager_resources``, because they need to be present in the filesystem when the C extensions that link to them are used.

The ``pkg_resources`` runtime for compressed packages will automatically extract *all* C extensions and ``eager_resources`` at the same time, whenever *any* C extension or eager resource is requested via the ``resource_filename()`` API. (C extensions are imported using ``resource_filename()`` internally.) This ensures that C extensions will see all of the "real" files that they expect to see.

Note also that you can list directory resource names in ``eager_resources`` as well, in which case the directory's contents (including subdirectories) will be extracted whenever any C extension or eager resource is requested.

Please note that if you're not sure whether you need to use this argument, you don't! It's really intended to support projects with lots of non-Python dependencies and as a last resort for crufty projects that can't otherwise handle being compressed. If your package is pure Python, Python plus data files, or Python plus C, you really don't need this. You've got to be using either C or an external program that needs "real" files in your project before there's any possibility of ``eager_resources`` being relevant to your project.

Extensible Applications and Frameworks
======================================

.. _Entry Points:

Dynamic Discovery of Services and Plugins
------------------------------------------

``setuptools`` supports creating libraries that "plug in" to extensible applications and frameworks, by letting you register "entry points" in your project that can be imported by the application or framework.

For example, suppose that a blogging tool wants to support plugins that provide translation for various file types to the blog's output format. The framework might define an "entry point group" called ``blogtool.parsers``, and then allow plugins to register entry points for the file extensions they support.

This would allow people to create distributions that contain one or more parsers for different file types, and then the blogging tool would be able to find the parsers at runtime by looking up an entry point for the file extension (or mime type, or however it wants to).
Note that if the blogging tool includes parsers for certain file formats, it can register these as entry points in its own setup script, which means it doesn’t have to special-case its built-in formats. They can just be treated the same as any other plugin’s entry points would be.

If you’re creating a project that plugs in to an existing application or framework, you’ll need to know what entry points or entry point groups are defined by that application or framework. Then, you can register entry points in your setup script. Here are a few examples of ways you might register an `.rst` file parser entry point in the `blogtool.parsers` entry point group, for our hypothetical blogging tool::

```python
setup(
    # ...
    entry_points = {'blogtool.parsers': '.rst = some_module:SomeClass'}
)
```

```python
setup(
    # ...
    entry_points = {'blogtool.parsers': ['.rst = some_module:a_func']}
)
```

```python
setup(
    # ...
    entry_points = ""
    [blogtool.parsers]
    .rst = some.nested.module:SomeClass.some_classmethod [reST]
    ""
    extras_require = dict(reST = "Docutils>=0.3.5")
)
```

The `entry_points` argument to `setup()` accepts either a string with `.ini`-style sections, or a dictionary mapping entry point group names to either strings or lists of strings containing entry point specifiers. An entry point specifier consists of a name and value, separated by an `=` sign. The value consists of a dotted module name, optionally followed by a `:` and a dotted identifier naming an object within the module. It can also include a bracketed list of "extras" that are required for the entry point to be used. When the invoking application or framework requests loading of an entry point, any requirements implied by the associated extras will be passed to `pkg_resources.require()`, so that an appropriate error message can be displayed if the needed package(s) are missing. (Of course, the invoking app or framework can ignore such errors if it wants to make an entry point optional if a requirement isn't installed.)

Defining Additional Metadata
----------------------------
Some extensible applications and frameworks may need to define their own kinds of metadata to include in eggs, which they can then access using the `pkg_resources` metadata APIs. Ordinarily, this is done by having plugin developers include additional files in their `ProjectName.egg-info` directory. However, since it can be tedious to create such files by hand, you may want to create a distutils extension that will create the necessary files from arguments to `setup()`, in much the same way that `setuptools` does for many of the `setup()` arguments it adds. See the section below on `Creating distutils Extensions` for more details, especially the subsection on `Adding new EGG-INFO Files`.

"Development Mode"

Under normal circumstances, the `distutils` assume that you are going to build a distribution of your project, not use it in its "raw" or "unbuilt" form. If you were to use the `distutils` that way, you would have to rebuild and reinstall your project every time you made a change to it during development.

Another problem that sometimes comes up with the `distutils` is that you may need to do development on two related projects at the same time. You may need to put both projects' packages in the same directory to run them, but need to keep them separate for revision control purposes. How can you do this?

Setuptools allows you to deploy your projects for use in a common directory or staging area, but without copying any files. Thus, you can edit each project's code in its checkout directory, and only need to run build commands when you change a project's C extensions or similarly compiled files. You can even deploy a project into another project's checkout directory, if that's your preferred way of working (as opposed to using a common independent staging area or the site-packages directory).

To do this, use the `setup.py develop` command. It works very similarly to `setup.py install` or the EasyInstall tool, except that it doesn't actually install anything. Instead, it creates a special `.egg-link` file in the deployment directory, that links to your project's source code. And, if your deployment directory is Python's `site-packages` directory, it will also update the `easy-install.pth` file to include your project's source code, thereby making it available on `sys.path` for all programs using that Python installation.

If you have enabled the `use_2to3` flag, then of course the `.egg-link` will not link directly to your source code when run under Python 3, since that source code would be made for Python 2 and not work under Python 3. Instead the `setup.py develop` will build Python 3 code under the `build`
directory, and link there. This means that after doing code changes you will have to run `setup.py build` before these changes are picked up by your Python 3 installation.

In addition, the `develop` command creates wrapper scripts in the target script directory that will run your in-development scripts after ensuring that all your `install_requires` packages are available on `sys.path`.

You can deploy the same project to multiple staging areas, e.g. if you have multiple projects on the same machine that are sharing the same project you're doing development work.

When you're done with a given development task, you can remove the project source from a staging area using `setup.py develop --uninstall`, specifying the desired staging area if it's not the default.

There are several options to control the precise behavior of the `develop` command; see the section on the `develop` command below for more details.

Note that you can also apply setuptools commands to non-setuptools projects, using commands like this:

```
python -c "import setuptools; execfile('setup.py')" develop
```

That is, you can simply list the normal setup commands and options following the quoted part.

Distributing a `setuptools`-based project
========================================

Using `setuptools`... Without bundling it!
------------------------------------------

Your users might not have `setuptools` installed on their machines, or even if they do, it might not be the right version. Fixing this is easy; just download `ez_setup.py`, and put it in the same directory as your `setup.py` script. (Be sure to add it to your revision control system, too.) Then add these two lines to the very top of your setup script, before the script imports anything from setuptools:

```
.. code-block:: python

    import ez_setup
ez_setup.use_setuptools()
```

That's it. The `ez_setup` module will automatically download a matching version of `setuptools` from PyPI, if it isn't present on the target system.
Whenever you install an updated version of setuptools, you should also update your projects’ `ez_setup.py` files, so that a matching version gets installed on the target machine(s).

By the way, setuptools supports the new PyPI "upload" command, so you can use `setup.py sdist upload` or `setup.py bdist_egg upload` to upload your source or egg distributions respectively. Your project's current version must be registered with PyPI first, of course; you can use `setup.py register` to do that. Or you can do it all in one step, e.g. `setup.py register sdist bdist_egg upload` will register the package, build source and egg distributions, and then upload them both to PyPI, where they'll be easily found by other projects that depend on them.

(By the way, if you need to distribute a specific version of `setuptools`, you can specify the exact version and base download URL as parameters to the `use_setuptools()` function. See the function's docstring for details.)

What Your Users Should Know
---------------------------

In general, a setuptools-based project looks just like any distutils-based project -- as long as your users have an internet connection and are installing to `site-packages`, that is. But for some users, these conditions don't apply, and they may become frustrated if this is their first encounter with a setuptools-based project. To keep these users happy, you should review the following topics in your project's installation instructions, if they are relevant to your project and your target audience isn't already familiar with setuptools and `easy_install`.

Network Access
If your project is using `ez_setup`, you should inform users of the need to either have network access, or to preinstall the correct version of setuptools using the `EasyInstall installation instructions`. Those instructions also have tips for dealing with firewalls as well as how to manually download and install setuptools.

Custom Installation Locations
You should inform your users that if they are installing your project to somewhere other than the main `site-packages` directory, they should first install setuptools using the instructions for `Custom Installation Locations`, before installing your project.

Your Project's Dependencies
If your project depends on other projects that may need to be downloaded from PyPI or elsewhere, you should list them in your installation instructions, or tell users how to find out what they are. While most users will not need this information, any users who don't have unrestricted
internet access may have to find, download, and install the other projects manually. (Note, however, that they must still install those projects using `"easy_install"`, or your project will not know they are installed, and your setup script will try to download them again.)

If you want to be especially friendly to users with limited network access, you may wish to build eggs for your project and its dependencies, making them all available for download from your site, or at least create a page with links to all of the needed eggs. In this way, users with limited network access can manually download all the eggs to a single directory, then use the `"-f"` option of `"easy_install"` to specify the directory to find eggs in. Users who have full network access can just use `"-f"` with the URL of your download page, and `"easy_install"` will find all the needed eggs using your links directly. This is also useful when your target audience isn't able to compile packages (e.g. most Windows users) and your package or some of its dependencies include C code.

Revision Control System Users and Co-Developers
Users and co-developers who are tracking your in-development code using a revision control system should probably read this manual's sections regarding such development. Alternately, you may wish to create a quick-reference guide containing the tips from this manual that apply to your particular situation. For example, if you recommend that people use `"setup.py develop"` when tracking your in-development code, you should let them know that this needs to be run after every update or commit.

Similarly, if you remove modules or data files from your project, you should remind them to run `"setup.py clean --all"` and delete any obsolete `".pyc"` or `".pyo"`. (This tip applies to the distutils in general, not just setuptools, but not everybody knows about them; be kind to your users by spelling out your project's best practices rather than leaving them guessing.)

Creating System Packages
Some users want to manage all Python packages using a single package manager, and sometimes that package manager isn't `"easy_install"`! Setuptools currently supports `"bdist_rpm"`, `"bdist_wininst"`, and `"bdist_dumb"` formats for system packaging. If a user has a locally-installed "bdist" packaging tool that internally uses the distutils `"install"` command, it should be able to work with `"setuptools"`. Some examples of "bdist" formats that this should work with include the `"bdist_nsi"` and `"bdist_msi"` formats for Windows.

However, packaging tools that build binary distributions by running `"setup.py install"` on the command line or as a subprocess will require modification to work with setuptools. They should use the `"--single-version-externally-managed"` option to the `"install"` command, combined with the standard `"--root"` or `"--record"` options.
See the `install command` documentation below for more details. The `bdist_deb` command is an example of a command that currently requires this kind of patching to work with setuptools.

If you or your users have a problem building a usable system package for your project, please report the problem via the mailing list so that either the "bdist" tool in question or setuptools can be modified to resolve the issue.

Setting the `zip_safe` flag
----------------------------

For some use cases (such as bundling as part of a larger application), Python packages may be run directly from a zip file. Not all packages, however, are capable of running in compressed form, because they may expect to be able to access either source code or data files as normal operating system files. So, `setuptools` can install your project as a zipfile or a directory, and its default choice is determined by the project's `zip_safe` flag.

You can pass a True or False value for the `zip_safe` argument to the `setup()` function, or you can omit it. If you omit it, the `bdist_egg` command will analyze your project's contents to see if it can detect any conditions that would prevent it from working in a zipfile. It will output notices to the console about any such conditions that it finds.

Currently, this analysis is extremely conservative: it will consider the project unsafe if it contains any C extensions or datafiles whatsoever. This does *not* mean that the project can't or won't work as a zipfile! It just means that the `bdist_egg` authors aren't yet comfortable asserting that the project *will* work. If the project contains no C or data files, and does no `_file_` or `_path_` introspection or source code manipulation, then there is an extremely solid chance the project will work when installed as a zipfile. (And if the project uses `pkg_resources` for all its data file access, then C extensions and other data files shouldn't be a problem at all. See the `Accessing Data Files at Runtime` section above for more information.)

However, if `bdist_egg` can't be *sure* that your package will work, but you've checked over all the warnings it issued, and you are either satisfied it will* work (or if you want to try it for yourself), then you should set `zip_safe` to `True` in your `setup()` call. If it turns out that it doesn't work, you can always change it to `False`, which will force `setuptools` to install your project as a directory rather than as a zipfile.

Of course, the end-user can still override either decision, if they are using EasyInstall to install your package. And, if you want to override for testing purposes, you can just run `setup.py easy_install --zip-ok` or `setup.py`
easy_install --always-unzip .` in your project directory to install the package as a zipfile or directory, respectively.

In the future, as we gain more experience with different packages and become more satisfied with the robustness of the ``pkg_resources`` runtime, the "zip safety" analysis may become less conservative. However, we strongly recommend that you determine for yourself whether your project functions correctly when installed as a zipfile, correct any problems if you can, and then make an explicit declaration of `True` or `False` for the `zip_safe` flag, so that it will not be necessary for `bdist_egg` or `EasyInstall` to try to guess whether your project can work as a zipfile.

Namespace Packages
-------------------

Sometimes, a large package is more useful if distributed as a collection of smaller eggs. However, Python does not normally allow the contents of a package to be retrieved from more than one location. "Namespace packages" are a solution for this problem. When you declare a package to be a namespace package, it means that the package has no meaningful contents in its `__init__.py`, and that it is merely a container for modules and subpackages.

The `pkg_resources` runtime will then automatically ensure that the contents of namespace packages that are spread over multiple eggs or directories are combined into a single "virtual" package.

The `namespace_packages` argument to `setup()` lets you declare your project's namespace packages, so that they will be included in your project's metadata. The argument should list the namespace packages that the egg participates in. For example, the ZopeInterface project might do this:

```python
setup(
    ...,
    namespace_packages = ['zope'],
)
```

because it contains a `zope.interface` package that lives in the `zope` namespace package. Similarly, a project for a standalone `zope.publisher` would also declare the `zope` namespace package. When these projects are installed and used, Python will see them both as part of a "virtual" `zope` package, even though they will be installed in different locations.

Namespace packages don't have to be top-level packages. For example, Zope 3's `zope.app` package is a namespace package, and in the future PEAK's `peak.util` package will be too.

Note, by the way, that your project's source tree must include the namespace
packages' `__init__.py` files (and the `__init__.py` of any parent packages), in a normal Python package layout. These `__init__.py` files *must* contain the line:

```python
__import__('pkg_resources').declare_namespace(__name__)
```

This code ensures that the namespace package machinery is operating and that the current package is registered as a namespace package.

You must NOT include any other code and data in a namespace package's `__init__.py`. Even though it may appear to work during development, or when projects are installed as `.egg` files, it will not work when the projects are installed using "system" packaging tools -- in such cases the `__init__.py` files will not be installed, let alone executed.

You must include the `declare_namespace()` line in the `__init__.py` of *every* project that has contents for the namespace package in question, in order to ensure that the namespace will be declared regardless of which project's copy of `__init__.py` is loaded first. If the first loaded `__init__.py` doesn't declare it, it will never *be* declared, because no other copies will ever be loaded!

**TRANSITIONAL NOTE**

Setuptools automatically calls `declare_namespace()` for you at runtime, but future versions may *not*. This is because the automatic declaration feature has some negative side effects, such as needing to import all namespace packages during the initialization of the `pkg_resources` runtime, and also the need for `pkg_resources` to be explicitly imported before any namespace packages work at all. In some future releases, you'll be responsible for including your own declaration lines, and the automatic declaration feature will be dropped to get rid of the negative side effects.

During the remainder of the current development cycle, therefore, setuptools will warn you about missing `declare_namespace()` calls in your `__init__.py` files, and you should correct these as soon as possible before the compatibility support is removed. Namespace packages without declaration lines will not work correctly once a user has upgraded to a later version, so it's important that you make this change now in order to avoid having your code break in the field. Our apologies for the inconvenience, and thank you for your patience.

**Tagging and "Daily Build" or "Snapshot" Releases**

---------------------------------------------------------------
When a set of related projects are under development, it may be important to track finer-grained version increments than you would normally use for e.g. "stable" releases. While stable releases might be measured in dotted numbers with alpha/beta/etc. status codes, development versions of a project often need to be tracked by revision or build number or even build date. This is especially true when projects in development need to refer to one another, and therefore may literally need an up-to-the-minute version of something!

To support these scenarios, ``setuptools`` allows you to "tag" your source and egg distributions by adding one or more of the following to the project's "official" version identifier:

* A manually-specified pre-release tag, such as "build" or "dev", or a manually-specified post-release tag, such as a build or revision number (``--tag-build=STRING, -bSTRING``)

* A "last-modified revision number" string generated automatically from Subversion's metadata (assuming your project is being built from a Subversion "working copy") (``--tag-svn-revision, -r``)

* An 8-character representation of the build date (``--tag-date, -d``), as a postrelease tag

You can add these tags by adding ``egg_info`` and the desired options to the command line ahead of the ``sdist`` or ``bdist`` commands that you want to generate a daily build or snapshot for. See the section below on the `egg_info` command for more details.

(Also, before you release your project, be sure to see the section above on `Specifying Your Project's Version` for more information about how pre- and post-release tags affect how setuptools and EasyInstall interpret version numbers. This is important in order to make sure that dependency processing tools will know which versions of your project are newer than others.)

Finally, if you are creating builds frequently, and either building them in a downloadable location or are copying them to a distribution server, you should probably also check out the `rotate` command, which lets you automatically delete all but the N most-recently-modified distributions matching a glob pattern. So, you can use a command line like:

```
setup.py egg_info -rbDEV bdist_egg rotate -m.egg -k3
```

to build an egg whose version info includes 'DEV-rNNNN' (where NNNN is the most recent Subversion revision that affected the source tree), and then delete any egg files from the distribution directory except for the three that were built most recently.
If you have to manage automated builds for multiple packages, each with different tagging and rotation policies, you may also want to check out the `alias` command, which would let each package define an alias like ``daily`` that would perform the necessary tag, build, and rotate commands. Then, a simpler script or cron job could just run `setup.py daily` in each project directory. (And, you could also define sitewide or per-user default versions of the ``daily`` alias, so that projects that didn't define their own would use the appropriate defaults.)

Generating Source Distributions
---------------------------------

``setuptools`` enhances the distutils' default algorithm for source file selection with pluggable endpoints for looking up files to include. If you are using a revision control system, and your source distributions only need to include files that you're tracking in revision control, use a corresponding plugin instead of writing a ``MANIFEST.in`` file. See the section below on `Adding Support for Revision Control Systems`_ for information on plugins.

If you need to include automatically generated files, or files that are kept in an unsupported revision control system, you'll need to create a ``MANIFEST.in`` file to specify any files that the default file location algorithm doesn't catch. See the distutils documentation for more information on the format of the ``MANIFEST.in`` file.

But, be sure to ignore any part of the distutils documentation that deals with ``MANIFEST`` or how it's generated from ``MANIFEST.in``; setuptools shields you from these issues and doesn't work the same way in any case. Unlike the distutils, setuptools regenerates the source distribution manifest file every time you build a source distribution, and it builds it inside the project's `.egg-info` directory, out of the way of your main project directory. You therefore need not worry about whether it is up-to-date or not.

Indeed, because setuptools' approach to determining the contents of a source distribution is so much simpler, its ``sdist`` command omits nearly all of the options that the distutils' more complex ``sdist`` process requires. For all practical purposes, you'll probably use only the ``--formats`` option, if you use any option at all.

Making your package available for EasyInstall
---------------------------------------------

If you use the ``register`` command (`setup.py register`) to register your package with PyPI, that's most of the battle right there. (See the `docs for the register command`_ for more details.)
If you also use the `upload` command to upload actual distributions of your package, that's even better, because EasyInstall will be able to find and download them directly from your project's PyPI page.

However, there may be reasons why you don't want to upload distributions to PyPI, and just want your existing distributions (or perhaps a Subversion checkout) to be used instead.

So here's what you need to do before running the `register` command. There are three `setup()` arguments that affect EasyInstall:

``url`` and ``download_url``

These become links on your project's PyPI page. EasyInstall will examine them to see if they link to a package ("primary links"), or whether they are HTML pages. If they're HTML pages, EasyInstall scans all HREF's on the page for primary links.

``long_description``

EasyInstall will check any URLs contained in this argument to see if they are primary links.

A URL is considered a "primary link" if it is a link to a .tar.gz, .tgz, .zip, .egg, .egg.zip, .tar.bz2, or .exe file, or if it has an `#egg=project` or `#egg=project-version` fragment identifier attached to it. EasyInstall attempts to determine a project name and optional version number from the text of a primary link *without* downloading it. When it has found all the primary links, EasyInstall will select the best match based on requested version, platform compatibility, and other criteria.

So, if your `url` or `download_url` point either directly to a downloadable source distribution, or to HTML page(s) that have direct links to such, then EasyInstall will be able to locate downloads automatically. If you want to make Subversion checkouts available, then you should create links with either `#egg=project` or `#egg=project-version` added to the URL. You should replace `project` and `version` with the values they would have in an egg filename. (Be sure to actually generate an egg and then use the initial part of the filename, rather than trying to guess what the escaped form of the project name and version number will be.)

Note that Subversion checkout links are of lower precedence than other kinds of distributions, so EasyInstall will not select a Subversion checkout for downloading unless it has a version included in the `#egg=` suffix, and it's a higher version than EasyInstall has seen in any other links for your project.

As a result, it's a common practice to use mark checkout URLs with a version of
"dev" (i.e., `--egg=projectname-dev`), so that users can do something like this:

```
easy_install --editable projectname==dev
```

in order to check out the in-development version of `projectname`.

Managing "Continuous Releases" Using Subversion

If you expect your users to track in-development versions of your project via Subversion, there are a few additional steps you should take to ensure that things work smoothly with EasyInstall. First, you should add the following to your project's `setup.cfg` file:

```
[egg_info]
tag_build = .dev
tag_svn_revision = 1
```

This will tell `setuptools` to generate package version numbers like `1.0a1.dev-r1263`, which will be considered to be an *older* release than `1.0a1`. Thus, when you actually release `1.0a1`, the entire egg infrastructure (including `setuptools`, `pkg_resources` and EasyInstall) will know that `1.0a1` supersedes any interim snapshots from Subversion, and handle upgrades accordingly.

(Note: the project version number you specify in `setup.py` should always be the *next* version of your software, not the last released version. Alternately, you can leave out the `tag_build=.dev`, and always use the *last* release as a version number, so that your post-1.0 builds are labelled `1.0-r1263`, indicating a post-1.0 patchlevel. Most projects so far, however, seem to prefer to think of their project as being a future version still under development, rather than a past version being patched. It is of course possible for a single project to have both situations, using post-release numbering on release branches, and pre-release numbering on the trunk. But you don't have to make things this complex if you don't want to.)

Commonly, projects releasing code from Subversion will include a PyPI link to their checkout URL (as described in the previous section) with an `#egg=projectname-dev` suffix. This allows users to request EasyInstall to download `projectname==dev` in order to get the latest in-development code. Note that if your project depends on such in-progress code, you may wish to specify your `install_requires` (or other requirements) to include `==dev`, e.g.:
.. code-block:: python

    install_requires = ["OtherProject>=0.2a1.dev-r143,==dev"]

The above example says, "I really want at least this particular development revision number, but feel free to follow and use an `#egg=OtherProject-dev` link if you find one". This avoids the need to have actual source or binary distribution snapshots of in-development code available, just to be able to depend on the latest and greatest a project has to offer.

A final note for Subversion development: if you are using SVN revision tags as described in this section, it's a good idea to run `"setup.py develop"` after each Subversion checkin or update, because your project's version number will be changing, and your script wrappers need to be updated accordingly.

Also, if the project's requirements have changed, the `"develop"` command will take care of fetching the updated dependencies, building changed extensions, etc. Be sure to also remind any of your users who check out your project from Subversion that they need to run `"setup.py develop"` after every update in order to keep their checkout completely in sync.

Making "Official" (Non-Snapshot) Releases
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

When you make an official release, creating source or binary distributions, you will need to override the tag settings from `"setup.cfg"`, so that you don't end up registering versions like `"foobar-0.7a1.dev-r34832"`. This is easy to do if you are developing on the trunk and using tags or branches for your releases - just make the change to `"setup.cfg"` after branching or tagging the release, so the trunk will still produce development snapshots.

Alternately, if you are not branching for releases, you can override the default version options on the command line, using something like::

    python setup.py egg_info -RDb "" sdist bdist_egg register upload

The first part of this command (`"egg_info -RDb ""`) will override the configured tag information, before creating source and binary eggs, registering the project with PyPI, and uploading the files. Thus, these commands will use the plain version from your `"setup.py"`, without adding the Subversion revision number or build designation string.

Of course, if you will be doing this a lot, you may wish to create a personal alias for this operation, e.g.:::

    python setup.py alias -u release egg_info -RDb ""
You can then use it like this:

    python setup.py release sdist bdist_egg register upload

Or of course you can create more elaborate aliases that do all of the above. See the sections below on the `egg_info` and `alias` commands for more ideas.

Distributing Extensions compiled with Pyrex
-------------------------------------------
``setuptools`` includes transparent support for building Pyrex extensions, as long as you define your extensions using ``setuptools.Extension``, *not* ``distutils.Extension``. You must also not import anything from Pyrex in your setup script.

If you follow these rules, you can safely list ``.pyx`` files as the source of your ``Extension`` objects in the setup script. ``setuptools`` will detect at build time whether Pyrex is installed or not. If it is, then ``setuptools`` will use it. If not, then ``setuptools`` will silently change the ``Extension`` objects to refer to the ``.c`` counterparts of the ``.pyx`` files, so that the normal distutils C compilation process will occur.

Of course, for this to work, your source distributions must include the C code generated by Pyrex, as well as your original ``.pyx`` files. This means that you will probably want to include current ``.c`` files in your revision control system, rebuilding them whenever you check changes in for the ``.pyx`` source files. This will ensure that people tracking your project in a revision control system will be able to build it even if they don't have Pyrex installed, and that your source releases will be similarly usable with or without Pyrex.

Command Reference
------------------
.. _alias:
``alias`` - Define shortcuts for commonly used commands

Sometimes, you need to use the same commands over and over, but you can't necessarily set them as defaults. For example, if you produce both development snapshot releases and "stable" releases of a project, you may want to put the distributions in different places, or use different `egg_info` tagging options, etc. In these cases, it doesn't make sense to set the options in
a distutils configuration file, because the values of the options changed based on what you're trying to do.

Setuptools therefore allows you to define "aliases" - shortcut names for an arbitrary string of commands and options, using `setup.py alias aliasname expansion`, where aliasname is the name of the new alias, and the remainder of the command line supplies its expansion. For example, this command defines a sitewide alias called "daily", that sets various `egg_info` tagging options:

```bash
setup.py alias --global-config daily egg_info --tag-svn-revision \ 
   --tag-build=development
```

Once the alias is defined, it can then be used with other setup commands, e.g.:

```bash
setup.py daily bdist_egg   # generate a daily-build .egg file
setup.py daily sdist      # generate a daily-build source distro
setup.py daily sdist bdist_egg # generate both
```

The above commands are interpreted as if the word `daily` were replaced with `egg_info --tag-svn-revision --tag-build=development`.

Note that setuptools will expand each alias *at most once* in a given command line. This serves two purposes. First, if you accidentally create an alias loop, it will have no effect; you'll instead get an error message about an unknown command. Second, it allows you to define an alias for a command, that uses that command. For example, this (project-local) alias:

```bash
setup.py alias bdist_egg bdist_egg rotate -k1 -m.egg
```

redefines the `bdist_egg` command so that it always runs the `rotate` command afterwards to delete all but the newest egg file. It doesn't loop indefinitely on `bdist_egg` because the alias is only expanded once when used.

You can remove a defined alias with the `--remove` (or `--r`) option, e.g.:

```bash
setup.py alias --global-config --remove daily
```

would delete the "daily" alias we defined above.

Aliases can be defined on a project-specific, per-user, or sitewide basis. The default is to define or remove a project-specific alias, but you can use any of the "configuration file options" (listed under the "saveopts" command, below) to determine which distutils configuration file an aliases will be added to (or removed from).
Note that if you omit the "expansion" argument to the `alias` command, you'll get output showing that alias' current definition (and what configuration file it's defined in). If you omit the alias name as well, you'll get a listing of all current aliases along with their configuration file locations.

``bdist_egg`` - Create a Python Egg for the project

This command generates a Python Egg (`.egg` file) for the project. Python Eggs are the preferred binary distribution format for EasyInstall, because they are cross-platform (for "pure" packages), directly importable, and contain project metadata including scripts and information about the project's dependencies. They can be simply downloaded and added to `sys.path` directly, or they can be placed in a directory on `sys.path` and then automatically discovered by the egg runtime system.

This command runs the `egg_info` command (if it hasn't already run) to update the project's metadata (`.egg-info`) directory. If you have added any extra metadata files to the `.egg-info` directory, those files will be included in the new egg file's metadata directory, for use by the egg runtime system or by any applications or frameworks that use that metadata.

You won't usually need to specify any special options for this command; just use ``bdist_egg`` and you're done. But there are a few options that may be occasionally useful:

``--dist-dir=DIR, -d DIR``
Set the directory where the `.egg` file will be placed. If you don't supply this, then the `--dist-dir` setting of the `bdist` command will be used, which is usually a directory named `dist` in the project directory.

``--plat-name=PLATFORM, -p PLATFORM``
Set the platform name string that will be embedded in the egg's filename (assuming the egg contains C extensions). This can be used to override the distutils default platform name with something more meaningful. Keep in mind, however, that the egg runtime system expects to see eggs with distutils platform names, so it may ignore or reject eggs with non-standard platform names. Similarly, the EasyInstall program may ignore them when searching web pages for download links. However, if you are cross-compiling or doing some other unusual things, you might find a use for this option.

``--exclude-source-files``
Don't include any modules' `.py` files in the egg, just compiled Python, C, and data files. (Note that this doesn't affect any `.py` files in the
EGG-INFO directory or its subdirectories, since for example there may be scripts with a `.py` extension which must still be retained.) We don’t recommend that you use this option except for packages that are being bundled for proprietary end-user applications, or for “embedded” scenarios where space is at an absolute premium. On the other hand, if your package is going to be installed and used in compressed form, you might as well exclude the source because Python’s `traceback` module doesn’t currently understand how to display zipped source code anyway, or how to deal with files that are in a different place from where their code was compiled.

There are also some options you will probably never need, but which are there because they were copied from similar `bdist` commands used as an example for creating this one. They may be useful for testing and debugging, however, which is why we kept them:

```
--keep-temp, -k
```
Keep the contents of the `--bdist-dir` tree around after creating the `.egg` file.

```
--bdist-dir=DIR, -b DIR```
Set the temporary directory for creating the distribution. The entire contents of this directory are zipped to create the `.egg` file, after running various installation commands to copy the package's modules, data, and extensions here.

```
--skip-build``
Skip doing any "build" commands; just go straight to the install-and-compress phases.

```
.. _develop:
```
```
``develop`` - Deploy the project source in "Development Mode"
```
This command allows you to deploy your project's source for use in one or more "staging areas" where it will be available for importing. This deployment is done in such a way that changes to the project source are immediately available in the staging area(s), without needing to run a build or install step after each change.

The ```develop`` command works by creating an ``.egg-link` file (named for the project) in the given staging area. If the staging area is Python's ```site-packages`` directory, it also updates an `easy-install.pth` file so that the project is on ```sys.path` by default for all programs run using that Python installation.

The ```develop`` command also installs wrapper scripts in the staging area (or
a separate directory, as specified) that will ensure the project's dependencies are available on `sys.path` before running the project's source scripts. And, it ensures that any missing project dependencies are available in the staging area, by downloading and installing them if necessary.

Last, but not least, the `develop` command invokes the `build_ext -i` command to ensure any C extensions in the project have been built and are up-to-date, and the `egg_info` command to ensure the project's metadata is updated (so that the runtime and wrappers know what the project's dependencies are). If you make any changes to the project's setup script or C extensions, you should rerun the `develop` command against all relevant staging areas to keep the project's scripts, metadata and extensions up-to-date. Most other kinds of changes to your project should not require any build operations or rerunning `develop`, but keep in mind that even minor changes to the setup script (e.g. changing an entry point definition) require you to re-run the `develop` or `test` commands to keep the distribution updated.

Here are some of the options that the `develop` command accepts. Note that they affect the project's dependencies as well as the project itself, so if you have dependencies that need to be installed and you use `--exclude-scripts` (for example), the dependencies' scripts will not be installed either! For this reason, you may want to use EasyInstall to install the project's dependencies before using the `develop` command, if you need finer control over the installation options for dependencies.

`--uninstall, -u`
Un-deploy the current project. You may use the `--install-dir` or `-d` option to designate the staging area. The created `.egg-link` file will be removed, if present and it is still pointing to the project directory. The project directory will be removed from `easy-install.pth` if the staging area is Python's `site-packages` directory.

Note that this option currently does *not* uninstall script wrappers! You must uninstall them yourself, or overwrite them by using EasyInstall to activate a different version of the package. You can also avoid installing script wrappers in the first place, if you use the `--exclude-scripts` (aka `--x`) option when you run `develop` to deploy the project.

`--multi-version, -m`
"Multi-version" mode. Specifying this option prevents `develop` from adding an `easy-install.pth` entry for the project(s) being deployed, and if an entry for any version of a project already exists, the entry will be removed upon successful deployment. In multi-version mode, no specific version of the package is available for importing, unless you use `pkg_resources.require()` to put it on `sys.path`, or you are running a wrapper script generated by `setuptools` or EasyInstall. (In which case the wrapper script calls `require()` for you.)
Note that if you install to a directory other than ``site-packages``, this option is automatically in effect, because `.pth` files can only be used in `site-packages` (at least in Python 2.3 and 2.4). So, if you use the `--install-dir` or `-d` option (or they are set via configuration file(s)) your project and its dependencies will be deployed in multi-version mode.

``--install-dir=DIR, -d DIR``

Set the installation directory (staging area). If this option is not directly specified on the command line or in a distutils configuration file, the distutils default installation location is used. Normally, this will be the `site-packages` directory, but if you are using distutils configuration files, setting things like `prefix` or `install_lib`, then those settings are taken into account when computing the default staging area.

``--script-dir=DIR, -s DIR``

Set the script installation directory. If you don't supply this option (via the command line or a configuration file), but you *have* supplied an `--install-dir` (via command line or config file), then this option defaults to the same directory, so that the scripts will be able to find their associated package installation. Otherwise, this setting defaults to the location where the distutils would normally install scripts, taking any distutils configuration file settings into account.

``--exclude-scripts, -x``

Don't deploy script wrappers. This is useful if you don't want to disturb existing versions of the scripts in the staging area.

``--always-copy, -a``

Copy all needed distributions to the staging area, even if they are already present in another directory on `sys.path`. By default, if a requirement can be met using a distribution that is already available in a directory on `sys.path`, it will not be copied to the staging area.

``--egg-path=DIR``

Force the generated `.egg-link` file to use a specified relative path to the source directory. This can be useful in circumstances where your installation directory is being shared by code running under multiple platforms (e.g. Mac and Windows) which have different absolute locations for the code under development, but the same *relative* locations with respect to the installation directory. If you use this option when installing, you must supply the same relative path when uninstalling.

In addition to the above options, the `develop` command also accepts all of the same options accepted by `easy_install`. If you've configured any `easy_install` settings in your `setup.cfg` (or other distutils config files), the `develop` command will use them as defaults, unless you override
them in a ```[develop]``` section or on the command line.

```easy_install``` - Find and install packages

This command runs the `EasyInstall tool`_ for you. It is exactly equivalent to running the ```easy_install``` command. All command line arguments following this command are consumed and not processed further by the distutils, so this must be the last command listed on the command line. Please see the EasyInstall documentation for the options reference and usage examples. Normally, there is no reason to use this command via the command line, as you can just use ```easy_install``` directly. It's only listed here so that you know it's a distutils command, which means that you can:

* create command aliases that use it,
* create distutils extensions that invoke it as a subcommand, and
* configure options for it in your ```setup.cfg``` or other distutils config files.

```egg_info``` - Create egg metadata and set build tags

This command performs two operations: it updates a project's ```.egg-info``` metadata directory (used by the ```bdist_egg```, ```develop```, and ```test``` commands), and it allows you to temporarily change a project's version string, to support "daily builds" or "snapshot" releases. It is run automatically by the ```sdist```, ```bdist_egg```, ```develop```, ```register```, and ```test``` commands in order to update the project's metadata, but you can also specify it explicitly in order to temporarily change the project's version string while executing other commands. (It also generates the ```.egg-info/SOURCES.txt``` manifest file, which is used when you are building source distributions.)

In addition to writing the core egg metadata defined by ```setuptools``` and required by ```pkg_resources```, this command can be extended to write other metadata files as well, by defining entry points in the ```egg_info.writers``` group. See the section on `Adding new EGG-INFO Files`_ below for more details. Note that using additional metadata writers may require you to include a ```setup_requires``` argument to ```setup()``` in order to ensure that the desired writers are available on ```sys.path```.

Release Tagging Options

-----------------------
The following options can be used to modify the project's version string for all remaining commands on the setup command line. The options are processed in the order shown, so if you use more than one, the requested tags will be added in the following order:

``--tag-build=NAME, -b NAME``

Append NAME to the project's version string. Due to the way setuptools processes "pre-release" version suffixes beginning with the letters "a" through "e" (like "alpha", "beta", and "candidate"), you will usually want to use a tag like ".build" or ".dev", as this will cause the version number to be considered *lower* than the project's default version. (If you want to make the version number *higher* than the default version, you can always leave off --tag-build and then use one or both of the following options.)

If you have a default build tag set in your `setup.cfg`, you can suppress it on the command line using `--tag-build=`` or `--tag-build=""` as an argument to the `egg_info` command.

``--tag-svn-revision, -r``

If the current directory is a Subversion checkout (i.e. has a `.svn` subdirectory, this appends a string of the form "-rNNNN" to the project's version string, where NNNN is the revision number of the most recent modification to the current directory, as obtained from the `svn info` command.

If the current directory is not a Subversion checkout, the command will look for a `PKG-INFO` file instead, and try to find the revision number from that, by looking for a "-rNNNN" string at the end of the version number. (This is so that building a package from a source distribution of a Subversion snapshot will produce a binary with the correct version number.)

If there is no `PKG-INFO` file, or the version number contained therein does not end with "-r" and a number, then "-r0" is used.

``--no-svn-revision, -R``

Don't include the Subversion revision in the version number. This option is included so you can override a default setting put in `setup.cfg`.

``--tag-date, -d``

Add a date stamp of the form "-YYYYMMDD" (e.g. "-20050528") to the project's version number.

``--no-date, -D``

Don't include a date stamp in the version number. This option is included so you can override a default setting in `setup.cfg`. 
(Note: Because these options modify the version number used for source and binary distributions of your project, you should first make sure that you know how the resulting version numbers will be interpreted by automated tools like EasyInstall. See the section above on ‘Specifying Your Project's Version’ for an explanation of pre- and post-release tags, as well as tips on how to choose and verify a versioning scheme for your your project.)

For advanced uses, there is one other option that can be set, to change the location of the project's `.egg-info` directory. Commands that need to find the project's source directory or metadata should get it from this setting:

Other ``.egg_info` Options
--------------------------
```````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````
The setuptools ``install`` command is basically a shortcut to run the `easy_install` command on the current project. However, for convenience in creating "system packages" of setuptools-based projects, you can also use this option:

``--single-version-externally-managed``
This boolean option tells the `install` command to perform an "old style" installation, with the addition of an `.egg-info` directory so that the installed project will still have its metadata available and operate normally. If you use this option, you *must* also specify the `--root` or `--record` options (or both), because otherwise you will have no way to identify and remove the installed files.

This option is automatically in effect when `install` is invoked by another distutils command, so that commands like `bdist_wininst` and `bdist_rpm` will create system packages of eggs. It is also automatically in effect if you specify the `--root` option.

``install_egg_info`` - Install an `.egg-info` directory in `site-packages`
==============================================================================
Setuptools runs this command as part of `install` operations that use the `--single-version-externally-managed` options. You should not invoke it directly; it is documented here for completeness and so that distutils extensions such as system package builders can make use of it. This command has only one option:

``--install-dir=DIR, -d DIR``
The parent directory where the `.egg-info` directory will be placed.
Defaults to the same as the `--install-dir` option specified for the `install_lib` command, which is usually the system `site-packages` directory.

This command assumes that the `egg_info` command has been given valid options via the command line or `setup.cfg`, as it will invoke the `egg_info` command and use its options to locate the project's source `.egg-info` directory.

.. _rotate:

``rotate`` - Delete outdated distribution files
==============================================================================
As you develop new versions of your project, your distribution (`dist`) directory will gradually fill up with older source and/or binary distribution files. The `rotate` command lets you automatically clean these up, keeping
only the N most-recently modified files matching a given pattern.

``--match=PATTERNLIST, -m PATTERNLIST``
Comma-separated list of glob patterns to match. This option is *required*.
The project name and ``-*`` is prepended to the supplied patterns, in order
to match only distributions belonging to the current project (in case you
have a shared distribution directory for multiple projects). Typically,
you will use a glob pattern like ``*.zip`` or ``*.egg`` to match files of
the specified type. Note that each supplied pattern is treated as a
distinct group of files for purposes of selecting files to delete.

``--keep=COUNT, -k COUNT``
Number of matching distributions to keep. For each group of files
identified by a pattern specified with the ``--match`` option, delete all
but the COUNT most-recently-modified files in that group. This option is
*required*.

``--dist-dir=DIR, -d DIR``
Directory where the distributions are. This defaults to the value of the
``bdist`` command's ``--dist-dir`` option, which will usually be the
project's ``dist`` subdirectory.

**Example 1**: Delete all .tar.gz files from the distribution directory, except
for the 3 most recently modified ones::

    setup.py rotate --match=.tar.gz --keep=3

**Example 2**: Delete all Python 2.3 or Python 2.4 eggs from the distribution
directory, except the most recently modified one for each Python version::

    setup.py rotate --match=-py2.3*.egg,-py2.4*.egg --keep=1

.. _saveopts:
``saveopts`` - Save used options to a configuration file
============================================================================
Finding and editing ``distutils`` configuration files can be a pain, especially
since you also have to translate the configuration options from command-line
form to the proper configuration file format. You can avoid these hassles by
using the ``saveopts`` command. Just add it to the command line to save the
options you used. For example, this command builds the project using
the ``mingw32`` C compiler, then saves the --compiler setting as the default
for future builds (even those run implicitly by the ``install`` command)::

    setup.py build --compiler=mingw32 saveopts
The `saveopts` command saves all options for every command specified on the command line to the project's local `setup.cfg` file, unless you use one of the `configuration file options` to change where the options are saved. For example, this command does the same as above, but saves the compiler setting to the site-wide (global) distutils configuration::

```
setup.py build --compiler=mingw32 saveopts -g
```

Note that it doesn't matter where you place the `saveopts` command on the command line; it will still save all the options specified for all commands. For example, this is another valid way to spell the last example::

```
setup.py saveopts -g build --compiler=mingw32
```

Note, however, that all of the commands specified are always run, regardless of where `saveopts` is placed on the command line.

**Configuration File Options**

Normally, settings such as options and aliases are saved to the project's local `setup.cfg` file. But you can override this and save them to the global or per-user configuration files, or to a manually-specified filename.

```
--global-config, -g
```
Save settings to the global `distutils.cfg` file inside the `distutils` package directory. You must have write access to that directory to use this option. You also can't combine this option with `--u` or `--f`.

```
--user-config, -u
```
Save settings to the current user's `~/.pydistutils.cfg` (POSIX) or `$HOME/pydistutils.cfg` (Windows) file. You can't combine this option with `--g` or `--f`.

```
--filename=FILENAME, -f FILENAME
```
Save settings to the specified configuration file to use. You can't combine this option with `--g` or `--u`. Note that if you specify a non-standard filename, the `distutils` and `setuptools` will not use the file's contents. This option is mainly included for use in testing.

These options are used by other `setuptools` commands that modify configuration files, such as the `alias` and `setopt` commands.
``setopt`` - Set a distutils or setuptools option in a config file
==================================================================
This command is mainly for use by scripts, but it can also be used as a quick
and dirty way to change a distutils configuration option without having to
remember what file the options are in and then open an editor.

**Example 1**. Set the default C compiler to ``mingw32`` (using long option
names)::

    setup.py setopt --command=build --option=compiler --set-value=mingw32

**Example 2**. Remove any setting for the distutils default package
installation directory (short option names)::

    setup.py setopt -c install -o install_lib -r

Options for the ``setopt`` command:
``--command=COMMAND, -c COMMAND``
Command to set the option for. This option is required.
``--option=OPTION, -o OPTION``
The name of the option to set. This option is required.
``--set-value=VALUE, -s VALUE``
The value to set the option to. Not needed if ``-r`` or ``--remove`` is
set.
``--remove, -r``
Remove (unset) the option, instead of setting it.

In addition to the above options, you may use any of the `configuration file
options`_ (listed under the `saveopts`_ command, above) to determine which
distutils configuration file the option will be added to (or removed from).

``_test``
``test`` - Build package and run a unittest suite
==================================================================

When doing test-driven development, or running automated builds that need
testing before they are deployed for downloading or use, it's often useful
to be able to run a project's unit tests without actually deploying the project
anywhere, even using the ``develop`` command. The ``test`` command runs a
project's unit tests without actually deploying it, by temporarily putting the
To use this command, your project's tests must be wrapped in a `unittest` test suite by either a function, a `TestCase` class or method, or a module or package containing `TestSuite` classes. If the named suite is a module, and the module has an `additional_tests()` function, it is called and the result (which must be a `unittest.TestSuite`) is added to the tests to be run. If the named suite is a package, any submodules and subpackages are recursively added to the overall test suite. (Note: if your project specifies a `test_loader`, the rules for processing the chosen `test_suite` may differ; see the `test_loader` documentation for more details.)

Note that many test systems including `doctest` support wrapping their non-`unittest` tests in `TestSuite` objects. So, if you are using a test package that does not support this, we suggest you encourage its developers to implement test suite support, as this is a convenient and standard way to aggregate a collection of tests to be run under a common test harness.

By default, tests will be run in the "verbose" mode of the `unittest` package's text test runner, but you can get the "quiet" mode (just dots) if you supply the `--q` or `--quiet` option, either as a global option to the setup script (e.g. `setup.py -q test`) or as an option for the `test` command itself (e.g. `setup.py test -q`). There is one other option available:

```
--test-suite=NAME, -s NAME
```

Specify the test suite (or module, class, or method) to be run (e.g. `some_module.test_suite`). The default for this option can be set by giving a `test_suite` argument to the `setup()` function, e.g.::

```python
setup(
    # ...
    test_suite = "my_package.tests.test_all"
)
```

If you did not set a `test_suite` in your `setup()` call, and do not provide a `--test-suite` option, an error will occur.

```
.. _upload:
```

`upload` - Upload source and/or egg distributions to PyPI

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

The `upload` command is implemented and documented <https://docs.python.org/3.1/distutils/uploading.html>
in distutils.

Distutils augments the ```upload``` command with support for `keyring <https://pypi.python.org/pypi/keyring>`_, allowing the password to be stored in a secure location and not in plaintext in the `.pypirc` file. To use keyring, first install keyring and set the password for the relevant repository, e.g.::

    python -m keyring set <repository> <username>
    Password for `<username>` in `<repository>`: ********

Then, in `.pypirc`, set the repository configuration as normal, but omit the password. Thereafter, uploads will use the password from the keyring.

New in 20.1: Added keyring support.

``upload_docs`` - Upload package documentation to PyPI
``upload_docs`` - Upload package documentation to PyPI

PyPI now supports uploading project documentation to the dedicated URL https://pythonhosted.org/<project>/.

The ```upload_docs``` command will create the necessary zip file out of a documentation directory and will post to the repository.

Note that to upload the documentation of a project, the corresponding version must already be registered with PyPI, using the distutils ```register``` command -- just like the ```upload``` command.

Assuming there is an ```Example``` project with documentation in the subdirectory ```docs```, e.g.::

Example/
|-- example.py
|-- setup.cfg
|-- setup.py
|-- docs
 | |-- build
 |  | `-- html
 |  |  | |-- index.html
 |  |  | `-- tips_tricks.html
 |  |-- conf.py
 | |-- index.txt
 | `-- tips_tricks.txt
You can simply pass the documentation directory path to the `upload_docs` command:

    python setup.py upload_docs --upload-dir=docs/build/html

If no `--upload-dir` is given, `upload_docs` will attempt to run the `build_sphinx` command to generate uploadable documentation.

For the command to become available, `Sphinx <http://sphinx.pocoo.org/>`_ must be installed in the same environment as distribute.

As with other `setuptools`-based commands, you can define useful defaults in the `setup.cfg` of your Python project, e.g.:

.. code-block:: ini

    [upload_docs]
    upload-dir = docs/build/html

The `upload_docs` command has the following options:

`--upload-dir`

The directory to be uploaded to the repository.

`--show-response`

Display the full response text from server; this is useful for debugging PyPI problems.

`--repository=URL, -r URL`

The URL of the repository to upload to. Defaults to https://pypi.python.org/pypi (i.e., the main PyPI installation).

--------------------
Extending and Reusing Setuptools
--------------------

Creating `distutils` Extensions

It can be hard to add new commands or setup arguments to the distutils. But the `setuptools` package makes it a bit easier, by allowing you to distribute a distutils extension as a separate project, and then have projects that need the extension just refer to it in their `setup_requires` argument.

With `setuptools`, your distutils extension projects can hook in new commands and `setup()` arguments just by defining "entry points". These are mappings from command or argument names to a specification of where to
import a handler from. (See the section on `Dynamic Discovery of Services and Plugins` above for some more background on entry points.)

Adding Commands
---------------

You can add new ``setup`` commands by defining entry points in the ``distutils.commands`` group. For example, if you wanted to add a ``foo`` command, you might add something like this to your distutils extension project's setup script:

```python
setup(
    # ...
    entry_points = {
        "distutils.commands": [
            "foo = mypackage.some_module:foo",
        ],
    },
)
```

(Assuming, of course, that the ``foo`` class in ``mypackage.some_module`` is a ``setuptools.Command`` subclass.)

Once a project containing such entry points has been activated on ``sys.path``, (e.g. by running "install" or "develop" with a site-packages installation directory) the command(s) will be available to any ``setuptools``-based setup scripts. It is not necessary to use the ``--command-packages`` option or to monkeypatch the ``distutils.command`` package to install your commands; ``setuptools`` automatically adds a wrapper to the distutils to search for entry points in the active distributions on ``sys.path``. In fact, this is how setuptools' own commands are installed: the setuptools project's setup script defines entry points for them!

Adding ``setup()`` Arguments
----------------------------

Sometimes, your commands may need additional arguments to the ``setup()`` call. You can enable this by defining entry points in the ``distutils.setup_keywords`` group. For example, if you wanted a ``setup()`` argument called "bar_baz", you might add something like this to your distutils extension project's setup script:

```python
setup(
    # ...
    entry_points = {
        "distutils.commands": [
```
"foo = mypackage.some_module:foo",
]
"distutils.setup_keywords": [
  "bar_baz = mypackage.some_module:validate_bar_baz",
]
},
)
)

The idea here is that the entry point defines a function that will be called to validate the ``setup()`` argument, if it's supplied. The ``Distribution`` object will have the initial value of the attribute set to ``None``, and the validation function will only be called if the ``setup()`` call sets it to a non-None value. Here's an example validation function:

```python
def assert_bool(dist, attr, value):
    """Verify that value is True, False, 0, or 1""
    if bool(value) != value:
        raise DistutilsSetupError(
            "%r must be a boolean value (got %r)" % (attr,value)
        )
```

Your function should accept three arguments: the ``Distribution`` object, the attribute name, and the attribute value. It should raise a `DistutilsSetupError` (from the `distutils.errors` module) if the argument is invalid. Remember, your function will only be called with non-None values, and the default value of arguments defined this way is always None. So, your commands should always be prepared for the possibility that the attribute will be ``None`` when they access it later.

If more than one active distribution defines an entry point for the same ``setup()`` argument, *all* of them will be called. This allows multiple distutils extensions to define a common argument, as long as they agree on what values of that argument are valid.

Also note that as with commands, it is not necessary to subclass or monkeypatch the distutils ``Distribution`` class in order to add your arguments; it is sufficient to define the entry points in your extension, as long as any setup script using your extension lists your project in its ``setup_requires`` argument.

Adding new EGG-INFO Files
-------------------------

Some extensible applications or frameworks may want to allow third parties to develop plugins with application or framework-specific metadata included in the plugins' EGG-INFO directory, for easy access via the `pkg_resources` metadata API. The easiest way to allow this is to create a distutils extension.
to be used from the plugin projects' setup scripts (via ``setup_requires``) that defines a new setup keyword, and then uses that data to write an EGG-INFO file when the ``egg_info`` command is run.

The ``egg_info`` command looks for extension points in an ``egg_info.writers`` group, and calls them to write the files. Here's a simple example of a distutils extension defining a setup argument ``foo_bar``, which is a list of lines that will be written to ``foo_bar.txt`` in the EGG-INFO directory of any project that uses the argument::

```python
setup(
    # ...
    entry_points = {
        "distutils.setup_keywords": [
            "foo_bar = setuptools.dist:assert_string_list",
        ],
        "egg_info.writers": [
            "foo_bar.txt = setuptools.command.egg_info:write_arg",
        ],
    },
)
```

This simple example makes use of two utility functions defined by setuptools for its own use: a routine to validate that a setup keyword is a sequence of strings, and another one that looks up a setup argument and writes it to a file. Here's what the writer utility looks like::

```python
def write_arg(cmd, basename, filename):
    argname = os.path.splitext(basename)[0]
    value = getattr(cmd.distribution, argname, None)
    if value is not None:
        value = ''.join(value) + '
    cmd.write_or_delete_file(argname, filename, value)
```

As you can see, ``egg_info.writers`` entry points must be a function taking three arguments: a ``egg_info`` command instance, the basename of the file to write (e.g. ``foo_bar.txt``), and the actual full filename that should be written to.

In general, writer functions should honor the command object's ``dry_run`` setting when writing files, and use the ``distutils.log`` object to do any console output. The easiest way to conform to this requirement is to use the ``cmd`` object's ``write_file()``, ``delete_file()`` and ``write_or_delete_file()`` methods exclusively for your file operations. See those methods' docstrings for more details.

Adding Support for Revision Control Systems
If the files you want to include in the source distribution are tracked using Git, Mercurial or SVN, you can use the following packages to achieve that:

- Git and Mercurial: `setuptools_scm <https://pypi.python.org/pypi/setuptools_scm>`_
- SVN: `setuptools_svn <https://pypi.python.org/pypi/setuptools_svn>`_

If you would like to create a plugin for `setuptools` to find files tracked by another revision control system, you can do so by adding an entry point to the `setuptools.file_finders` group. The entry point should be a function accepting a single directory name, and should yield all the filenames within that directory (and any subdirectories thereof) that are under revision control.

For example, if you were going to create a plugin for a revision control system called "foobar", you would write a function something like this:

```python
def find_files_for_foobar(dirname):
    # loop to yield paths that start with `dirname`
```

And you would register it in a setup script using something like this:

```python
entry_points = {
    "setuptools.file_finders": [
        "foobar = my_foobar_module:find_files_for_foobar"
    ]
}
```

Then, anyone who wants to use your plugin can simply install it, and their local setuptools installation will be able to find the necessary files.

It is not necessary to distribute source control plugins with projects that simply use the other source control system, or to specify the plugins in `setup_requires`. When you create a source distribution with the `sdist` command, setuptools automatically records what files were found in the `SOURCES.txt` file. That way, recipients of source distributions don't need to have revision control at all. However, if someone is working on a package by checking out with that system, they will need the same plugin(s) that the original author is using.

A few important points for writing revision control file finders:

* Your finder function MUST return relative paths, created by appending to the passed-in directory name. Absolute paths are NOT allowed, nor are relative paths that reference a parent directory of the passed-in directory.
* Your finder function MUST accept an empty string as the directory name, meaning the current directory. You MUST NOT convert this to a dot; just yield relative paths. So, yielding a subdirectory named `"some/dir"` under the current directory should NOT be rendered as `"./some/dir"` or `"/somewhere/some/dir"`, but *always* as simply `"some/dir"

* Your finder function SHOULD NOT raise any errors, and SHOULD deal gracefully with the absence of needed programs (i.e., ones belonging to the revision control system itself. It *may*, however, use `distutils.log.warn()` to inform the user of the missing program(s).

**Subclassing `Command`**

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

Sorry, this section isn't written yet, and neither is a lot of what's below this point.

XXX

**Reusing `setuptools` Code**

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

`"ez_setup"

---------

XXX

`"setuptools.archive_util"

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

XXX

`"setuptools.sandbox"

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

XXX

`"setuptools.package_index"

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

XXX
Mailing List and Bug Tracker
============================

Please use the `distutils-sig mailing list` for questions and discussion about setuptools, and the `setuptools bug tracker` ONLY for issues you have confirmed via the list are actual bugs, and which you have reduced to a minimal set of steps to reproduce.

.. _distutils-sig mailing list: http://mail.python.org/pipermail/distutils-sig/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1050086594_1591660967.89/0/setuptools-20-10-1-1-tar-gz/setuptools-20.10.1/docs/setuptools.txt

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/1050086594_1591660967.89/0/setuptools-20-10-1-1-tar-gz/setuptools-20.10.1/pkg_resources/_vendor/six.py

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1.474 python3-markupsafe 1.0 1build1

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1.475 make 4.2.1-1.2

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```

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```plaintext
/*!
 * deep-eql
 * Copyright(c) 2013 Jake Luer <jake@alogicalparadox.com>
```
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 5461

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*

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* /opt/cola/permits/1112216414_1607050213.39/0/fis-components-deep-eql-0-1-3-0-ga0b7383-1-tar-gz/fis-components-deep-eql-6aba033/lib/eql.js

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* /opt/cola/permits/1176280809_1624666047.91/elasticsearch-2-4-4-sources-5.jar/org/elasticsearch/common/io/stream/BytesStreamOutput.java
* /opt/cola/permits/1176280809_1624666047.91/elasticsearch-2-4-4-sources-5.jar/org/elasticsearch/cluster/TimeoutClusterStateListener.java
* /opt/cola/permits/1176280809_1624666047.91/elasticsearch-2-4-4-sources-5.jar/org/elasticsearch/discovery/Discovery.java
* /opt/cola/permits/1176280809_1624666047.91/elasticsearch-2-4-4-sources-5.jar/org/elasticsearch/action/admin/cluster/reroute/ClusterRerouteRequestBuilder.java
* /opt/cola/permits/1176280809_1624666047.91/elasticsearch-2-4-4-sources-5.jar/org/elasticsearch/action/admin/indices/refresh/TransportRefreshAction.java
* /opt/cola/permits/1176280809_1624666047.91/elasticsearch-2-4-4-sources-5.jar/org/elasticsearch/index/translog/TranslogException.java
* /opt/cola/permits/1176280809_1624666047.91/elasticsearch-2-4-4-sources-5.jar/org/elasticsearch/action/admin/indices/template/put/PutIndexTemplateResponse.java
* /opt/cola/permits/1176280809_1624666047.91/elasticsearch-2-4-4-sources-5.jar/org/elasticsearch/common/io/stream/BytesStreamOutput.java
* /opt/cola/permits/1176280809_1624666047.91/elasticsearch-2-4-4-sources-5.jar/org/elasticsearch/cluster/TimeoutClusterStateListener.java
* /opt/cola/permits/1176280809_1624666047.91/elasticsearch-2-4-4-sources-5.jar/org/elasticsearch/discovery/Discovery.java
* /opt/cola/permits/1176280809_1624666047.91/elasticsearch-2-4-4-sources-5.jar/org/elasticsearch/action/admin/cluster/reroute/ClusterRerouteRequestBuilder.java
* /opt/cola/permits/1176280809_1624666047.91/elasticsearch-2-4-4-sources-5.jar/org/elasticsearch/transport/Transport.java
* /opt/cola/permits/1176280809_1624666047.91/elasticsearch-2-4-4-sources-5.jar/org/elasticsearch/index/query/support/QueryParsers.java
* /opt/cola/permits/1176280809_1624666047.91/elasticsearch-2-4-4-sources-5.jar/org/elasticsearch/common/bytes/BytesReference.java
* /opt/cola/permits/1176280809_1624666047.91/elasticsearch-2-4-4-sources-5.jar/org/elasticsearch/action/support/master/MasterNodeRequest.java
* /opt/cola/permits/1176280809_1624666047.91/elasticsearch-2-4-4-sources-5.jar/org/elasticsearch/common/util/BigObjectArray.java
* /opt/cola/permits/1176280809_1624666047.91/elasticsearch-2-4-4-sources-5.jar/org/elasticsearch/action/admin/cluster/snapshots/status/SnapshotsStatusResponse.java
* /opt/cola/permits/1176280809_1624666047.91/elasticsearch-2-4-4-sources-5.jar/org/elasticsearch/search/aggregations/metrics/geobounds/GeoBoundsAggregator.java
* /opt/cola/permits/1176280809_1624666047.91/elasticsearch-2-4-4-sources-5.jar/org/elasticsearch/search/fielddata/plain/GeoPointArrayIndexFieldData.java
* /opt/cola/permits/1176280809_1624666047.91/elasticsearch-2-4-4-sources-5.jar/org/elasticsearch/action/admin/cluster/snapshots/status/SnapshotsStatusResponse.java
* /opt/cola/permits/1176280809_1624666047.91/elasticsearch-2-4-4-sources-5.jar/org/elasticsearch/search/aggregations/metrics/geobounds/GeoBoundsAggregator.java
* /opt/cola/permits/1176280809_1624666047.91/elasticsearch-2-4-4-sources-5.jar/org/elasticsearch/search/fielddata/plain/GeoPointArrayIndexFieldData.java
* /opt/cola/permits/1176280809_1624666047.91/elasticsearch-2-4-4-sources-5.jar/org/elasticsearch/action/admin/cluster/snapshots/status/SnapshotsStatusResponse.java
* /opt/cola/permits/1176280809_1624666047.91/elasticsearch-2-4-4-sources-5.jar/org/elasticsearch/search/aggregations/metrics/geobounds/GeoBoundsAggregator.java
* /opt/cola/permits/1176280809_1624666047.91/elasticsearch-2-4-4-sources-5.jar/org/elasticsearch/search/fielddata/plain/GeoPointArrayIndexFieldData.java

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  jar/org/elasticsearch/script/ExplainableSearchScript.java

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// Default security policy file.
// On startup, BootStrap reads environment and adds additional permissions
// for configured paths and network binding to these.

//// SecurityManager impl:
//// Must have all permissions to properly perform access checks

grant codeBase "$\{codebase.securesm-1.0.jar\}" {  
  permission java.security.AllPermission;
};

//// Very special jar permissions:
//// These are dangerous permissions that we don't want to grant to everything.

grant codeBase "$\{codebase.lucene-core-5.5.2.jar\}" {  
  // needed to allow MMapDirectory's "unmap hack" (die unmap hack, die)
  permission java.lang.RuntimePermission "accessClassInPackage.sun.misc";
  permission java.lang.reflect.ReflectPermission "suppressAccessChecks";
};
grant codeBase "${codebase.jsr166e-1.1.0.jar}" {
  // needed for LongAdder etc
  // TODO: remove this in java 8!
  permission java.lang.reflect.ReflectPermission "suppressAccessChecks";
  permission java.lang.RuntimePermission "accessClassInPackage.sun.misc";
};

/// Everything else:

grant {

  // checked by scripting engines, and before hacks and other issues in
  // third party code, to safeguard these against unprivileged code like scripts.
  permission org.elasticsearch.SpecialPermission;

  // Allow connecting to the internet anywhere
  permission java.net.SocketPermission "*", "accept,connect,resolve";

  // Allow read/write to all system properties
  permission java.util.PropertyPermission "*", "read,write";

  // needed by Settings
  permission java.lang.RuntimePermission "getenv.*";

  // thread permission for the same thread group and ancestor groups
  // (this logic is more strict than the JDK, see SecureSM)
  permission java.lang.RuntimePermission "modifyThread";
  permission java.lang.RuntimePermission "modifyThreadGroup";

  // needed by ExceptionSerializationTests and RestTestCase for
  // some hackish things they do. otherwise only needed by groovy
  // (TODO: clean this up?)
  permission java.lang.RuntimePermission "getProtectionDomain";

  // likely not low hanging fruit...
  permission java.lang.RuntimePermission "accessDeclaredMembers";

  // needed by HotThreads and potentially more
  // otherwise can be provided only to test libraries
  permission java.lang.RuntimePermission "getStackTrace";

  // needed by JMX instead of getFileSystemAttributes, seems like a bug...
  permission java.lang.RuntimePermission "getFileStoreAttributes";

  // needed for jimfs and NewPathForShardsTests
  // otherwise can be provided only to test libraries
  permission java.lang.RuntimePermission "fileSystemProvider";

// needed by plugin manager to set unix permissions
permission java.lang.RuntimePermission "accessUserInformation";

// needed by jvminfo for monitoring the jvm
permission java.lang.management.ManagementPermission "monitor";

// needed by JDKESLoggerTests
permission java.util.logging.LoggingPermission "control";
};

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// special exception to prevent expressions from compiling as update or mapping scripts

Found in path(s):
* /opt/cola/permits/1176280809_1624666047.91/0/elasticsearch-2-4-4-sources-5-
  jar/org/elasticsearch/script/ScriptService.java
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* /opt/cola/permits/1176280809_1624666047.91/0/elasticsearch-2.4.4-sources-5-
jar/org/joda/time/format/StrictISODateTimeFormat.java
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/// additional test framework permissions.
/// These are mock objects and test management that we allow test framework libs
/// to provide on our behalf. But tests themselves cannot do this stuff!

grant codeBase "${codebase.securemock-1.2.jar}" {
// needed to access ReflectionFactory (see below)
permission java.lang.RuntimePermission "accessClassInPackage.sun.reflect";
// needed to support creation of mocks
permission java.lang.RuntimePermission "reflectionFactoryAccess";
// needed for spy interception, etc
permission java.lang.reflect.ReflectPermission "suppressAccessChecks";
};

grant codeBase "${codebase.lucene-test-framework-5.5.2.jar}" {
// needed by RamUsageTester
permission java.lang.reflect.ReflectPermission "suppressAccessChecks";
};

grant codeBase "${codebase.randomizedtesting-runner-2.3.2.jar}" {
    // optionally needed for access to private test methods (e.g. beforeClass)
    permission java.lang.reflect.ReflectPermission "suppressAccessChecks";
    // needed to fail tests on uncaught exceptions from other threads
    permission java.lang.RuntimePermission "setDefaultUncaughtExceptionHandler";
    // needed for top threads handling
    permission org.elasticsearch.ThreadPermission "modifyArbitraryThreadGroup";
};

grant codeBase "${codebase.junit4-ant-2.3.2.jar}" {
    // needed for stream redirection
    permission java.lang.RuntimePermission "setIO";
};

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* /opt/cola/permits/1176280809_1624666047.91/0/elasticsearch-2-4-4-sources-5-jar/org/elasticsearch/common/inject/internal/ExpirationTimer.java
* /opt/cola/permits/1176280809_1624666047.91/0/elasticsearch-2-4-4-sources-5-jar/org/elasticsearch/common/inject/spi/InjectionListener.java
* /opt/cola/permits/1176280809_1624666047.91/0/elasticsearch-2-4-4-sources-5-jar/org/elasticsearch/common/inject/AsynchronousComputationException.java
* /opt/cola/permits/1176280809_1624666047.91/0/elasticsearch-2-4-4-sources-5-jar/org/elasticsearch/common/inject/Lookups.java
* /opt/cola/permits/1176280809_1624666047.91/0/elasticsearch-2-4-4-sources-5-jar/org/elasticsearch/common/inject/lookups.java

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* under the License.
/**
 * a utility method to perform a synced flush for all shards of multiple indices. see
 * @link attemptSyncedFlush(ShardId, ActionListener)}
 * for more details.
 */

Found in path(s):
* /opt/cola/permits/1176280809_1624666047.91/0/elasticsearch-2.4.4-sources-5-
jar/org/elasticsearch/indices/flush/SyncedFlushService.java

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 */

/**
 * Encodes and decodes to and from Base64 notation.<p>
 * Homepage: <a href="http://iharder.net/base64">http://iharder.net/base64</a>.</p>
 * Example:
 * <p>
 * <code>String encoded = Base64.encode( myByteArray );</code>
 * <br>
 * <code>byte[] myByteArray = Base64.decode( encoded );</code>
 * <p>
 * The <tt>options</tt> parameter, which appears in a few places, is used to pass
 * several pieces of information to the encoder. In the "higher level" methods such as
 * encodeBytes ( bytes, options ) the options parameter can be used to indicate such
 * things as first gzipping the bytes before encoding them, not inserting linefeeds,
 * and encoding using the URL-safe and Ordered dialects.
 * <p>
 * Note, according to <a href="http://www.faqs.org/rfcs/rfc3548.html">RFC3548</a>,
 * Section 2.1, implementations should not add line feeds unless explicitly told
to do so. I've got Base64 set to this behavior now, although earlier versions broke lines by default.

The constants defined in Base64 can be OR-ed together to combine options, so you might make a call like this:

```java
String encoded = Base64.encodeBytes( mybytes, Base64.GZIP | Base64.DO_BREAK_LINES );
```
to compress the data before encoding it and then making the output have newline characters.

Also...

```java
String encoded = Base64.encodeBytes( crazyString.getBytes() );
```

Change Log:

- v2.3.7 - Fixed subtle bug when base 64 input stream contained the value 01111111, which is an invalid base 64 character but should not throw an `ArrayIndexOutOfBoundsException` either. Led to discovery of mishandling (or potential for better handling) of other bad input characters. You should now get an `IOException` if you try decoding something that has bad characters in it.

- v2.3.6 - Fixed bug when breaking lines and the final byte of the encoded string ended in the last column; the buffer was not properly shrunk and contained an extra (null) byte that made it into the string.

- v2.3.5 - Fixed bug in `@code #encodeFromFile` where estimated buffer size was wrong for files of size 31, 34, and 37 bytes.

- v2.3.4 - Fixed bug when working with gzipped streams whereby flushing the `Base64OutputStream` closed the `Base64` encoding (by padding with equals signs) too soon. Also added an option to suppress the automatic decoding of gzipped streams. Also added experimental support for specifying a class loader when using the `@code #decodeToObject(java.lang.String, int, java.lang.ClassLoader)` method.

- v2.3.3 - Changed default char encoding to US-ASCII which reduces the internal Java footprint with its `CharEncoders` and so forth. Fixed some javadocs that were inconsistent. Removed imports and specified things like `java.io.IOException` explicitly inline.

- v2.3.2 - Reduced memory footprint! Finally refined the "guessing" of how big the final encoded data will be so that the code doesn't have to create two output arrays: an oversized initial one and then a final, exact-sized one. Big win when using the `@link #encodeBytesToBytes(byte[])` family of methods (and not using the gzip options which uses a different mechanism with streams and stuff).

- v2.3.1 - Added `@link #encodeBytesToBytes(byte[], int, int, int)` and some similar helper methods to be more efficient with memory by not returning a String but just a byte array.

- v2.3 - This is not a drop-in replacement! This is two years of comments and bug fixes queued up and finally executed. Thanks to everyone who sent me stuff, and I'm sorry I wasn't able to distribute your fixes to everyone else. Much bad coding was cleaned up including throwing exceptions where necessary instead of returning null values or something similar. Here are some changes...
* that may affect you:
  * <ul>
  * <li><em>Does not break lines, by default.</em> This is to keep in compliance with
  * <li><em>Throws exceptions instead of returning null values.</em> Because some operations
  * (especially those that may permit the GZIP option) use IO streams, there
  * is a possibility of an java.io.IOException being thrown. After some discussion and
  * thought, I've changed the behavior of the methods to throw java.io.IOExceptions
  * rather than return null if ever there's an error. I think this is more
  * appropriate, though it will require some changes to your code. Sorry,
  * it should have been done this way to begin with.</li>
  * <li><em>Removed all references to System.out, System.err, and the like.</em></li>
  * <li>Shame on me. All I can say is sorry they were ever there.</li>
  * <li>Throws NullPointerExceptions and IllegalArgumentExceptions</li>
  * such as when passed arrays are null or offsets are invalid.</li>
  * <li>Cleaned up as much javadoc as I could to avoid any javadoc warnings.</li>
  * This was especially annoying before for people who were thorough in their
  * own projects and then had gobs of javadoc warnings on this file.</li>
  * </ul>

* v2.2.1 - Fixed bug using URL_SAFE and ORDERED encodings. Fixed bug
  * when using very small files (~<lt; 40 bytes).
* v2.2 - Added some helper methods for encoding/decoding directly from
  * one file to the next. Also added a main() method to support command line
  * encoding/decoding from one file to the next. Also added these Base64 dialects:
  * <ol>
  * <li>The default is RFC3548 format.</li>
  * <li>Calling Base64.setFormat(Base64.BASE64_FORMAT.URLSAFE_FORMAT) generates
    * URL and file name friendly format as described in Section 4 of RFC3548.
  * <li>Calling Base64.setFormat(Base64.BASE64_FORMAT.ORDERED_FORMAT) generates
    * URL and file name friendly format that preserves lexical ordering as described
    * in http://www.faqs.org/qa/rfcc-1940.html</li>
  * </ol>

* Special thanks to Jim Kellerman at <a href="http://www.powerset.com/">http://www.powerset.com/</a>
  * for contributing the new Base64 dialects.

* v2.1 - Cleaned up javadoc comments and unused variables and methods. Added
  * some convenience methods for reading and writing to and from files.
* v2.0.2 - Now specifies UTF-8 encoding in places where the code fails on systems
  * with other encodings (like EBCDIC).
* v2.0.1 - Fixed an error when decoding a single byte, that is, when the
  * encoded data was a single byte.
* v2.0 - I got rid of methods that used booleans to set options.
  * Now everything is more consolidated and cleaner. The code now detects
  * when data that's being decoded is gzip-compressed and will decompress it
  * automatically. Generally things are cleaner. You'll probably have to
  * change some method calls that you were making to support the new
  * options format (<tt>int</tt>s that you "OR" together).
* v1.5.1 - Fixed bug when decompressing and decoding to a byte[] using decode( String s, boolean gzipCompressed )
* Added the ability to "suspend" encoding in the Output Stream so you can turn on and off the encoding if you need to embed base64 data in an otherwise "normal" stream (like an XML file).
* v1.5 - Output stream pases on flush() command but doesn't do anything itself.
* This helps when using GZIP streams.
* v1.4.1 - Added helper methods to read/write files.
* v1.3.6 - Fixed OutputStream.flush() so that 'position' is reset.
* v1.3.5 - Added flag to turn on and off line breaks. Fixed bug in input stream where last buffer being read, if not completely full, was not returned.
* v1.3.4 - Fixed when "improperly padded stream” error was thrown at the wrong time.
* v1.3.3 - Fixed I/O streams which were totally messed up.
* </ul>
* <p>
* I am placing this code in the Public Domain. Do with it as you will.
* This software comes with no guarantees or warranties but with plenty of well-wishing instead!
* Please visit http://iharder.net/base64 periodically to check for updates or to contribute improvements.
* @author Robert Harder
* @author rob@iharder.net
* @version 2.3.7
*/

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* /opt/cola/permits/1176280809_1624666047.91/0/elasticsearch-2-4-4-sources-5-jar/org/elasticsearch/common/Base64.java
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*/opt/cola/permits/1176280809_1624666047.91/0/elasticsearch-2-4-4-sources-5-jar/org/elasticsearch/common/inject/FactoryProxy.java
*/opt/cola/permits/1176280809_1624666047.91/0/elasticsearch-2-4-4-sources-5-jar/org/elasticsearch/common/inject/SingleParameterInjector.java
*/opt/cola/permits/1176280809_1624666047.91/0/elasticsearch-2-4-4-sources-5-jar/org/elasticsearch/common/inject/binder/AnnotatedElementBuilder.java
*/opt/cola/permits/1176280809_1624666047.91/0/elasticsearch-2-4-4-sources-5-jar/org/elasticsearch/common/inject/TypeConverterBindingProcessor.java
*/opt/cola/permits/1176280809_1624666047.91/0/elasticsearch-2-4-4-sources-5-jar/org/elasticsearch/common/inject/WeakKeySet.java
*/opt/cola/permits/1176280809_1624666047.91/0/elasticsearch-2-4-4-sources-5-
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    jar/org/elasticsearch/common/inject/internal/ProviderInstanceBindingImpl.java

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*/
grant {

  // groovy IndyInterface bootstrap requires this property for indy logging
  permission java.util.PropertyPermission "groovy.indy.logging", "read";
  // groovy requires this to enable workaround for certain JVMs (https://github.com/apache/groovy/pull/137)
  permission java.util.PropertyPermission "java.vm.name", "read";
  permission java.util.PropertyPermission "groovy.use.classvalue", "read";

// groovy JsonOutput, just allow it to read these props so it works (unsafe is not allowed)
permission java.util.PropertyPermission "groovy.json.faststringutils.disable", "read";
permission java.util.PropertyPermission "groovy.json.faststringutils.write.to.final.fields", "read";

// needed by Rhino engine exception handling
permission java.util.PropertyPermission "rhino.stack.style", "read";

// needed IndyInterface selectMethod (setCallSiteTarget)
// TODO: clean this up / only give it to engines that really must have it
permission java.lang.RuntimePermission "getClassLoader";
}

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jar/org/apache/lucene/search/XUsageTrackingQueryCachingPolicy.java
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 * /opt/cola/permits/1176280809_1624666047.91/0/elasticsearch-2-4-4-sources-5-jar/org/elasticsearch/common/inject/ConstantFactory.java
 * /opt/cola/permits/1176280809_1624666047.91/0/elasticsearch-2-4-4-sources-5-jar/org/elasticsearch/common/inject/ProvidedBy.java
 * /opt/cola/permits/1176280809_1624666047.91/0/elasticsearch-2-4-4-sources-5-jar/org/elasticsearch/common/inject/AbstractModule.java
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 * /opt/cola/permits/1176280809_1624666047.91/0/elasticsearch-2-4-4-sources-5-jar/org/elasticsearch/common/inject/internal/Stopwatch.java
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 * /opt/cola/permits/1176280809_1624666047.91/0/elasticsearch-2-4-4-sources-5-jar/org/elasticsearch/common/inject/ProviderToInternalFactoryAdapter.java
 * /opt/cola/permits/1176280809_1624666047.91/0/elasticsearch-2-4-4-sources-5-jar/org/elasticsearch/common/inject/ProviderToInternalFactoryAdapter.java

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1.485 babel-helper-function-name 6.24.1

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1.486 libpython-stdlib 2.7.17-1~18.04ubuntu1.2

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

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

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
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1.493 zipkin-autoconfigure-storage-elasticsearch 1.20.1

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package io.swagger.annotations;

import java.lang.annotation.ElementType;
import java.lang.annotation.Retention;
import java.lang.annotation.RetentionPolicy;
import java.lang.annotation.Target;

/**
 * License metadata available within the info section of a Swagger definition, see
 * https://github.com/swagger-api/swagger-spec/blob/master/versions/2.0.md#licenseObject
 *
 * @since 1.5.0
 */

@Target(ElementType.ANNOTATION_TYPE)
@Retention(RetentionPolicy.RUNTIME)
public @interface License {

/**
 * The name of the license.
 * *
 * @return the name of the license
 */
String name();

/**
 * An optional URL for the license.
 * *
 */
```

Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 5704
* @return an optional URL for the license.
*/

String url() default "";

1.502 kafka-streams 2.2.0

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import java.util.Map;

import com.sun.tools.doclets.Taglet;
import com.sun.javadoc.Tag;

/**
 * A simple Taglet which handles Copyright information.
 */
public class CopyrightTaglet implements Taglet {

    private static final String NAME = "copyright";
    private static final String HEADER = "Copyright:"

    public String getName() {
        return NAME;
    }

    public boolean inField() {
        return true;
    }

    public boolean inConstructor() {
        return true;
    }

    public boolean inMethod() {
        return true;
    }

    public boolean inClass() {
        return true;
    }

    public boolean inEnum() {
        return true;
    }

    public boolean inInterface() {
        return true;
    }

    public boolean inType() {
        return true;
    }

    public boolean inTypeVariable() {
        return true;
    }

    public boolean inTypeParameter() {
        return true;
    }

    public boolean inAnnotation() {
        return true;
    }

    public boolean inTypeMember() {
        return true;
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        return true;
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public boolean inOverview() {
return true;
}
public boolean inPackage() {
return true;
}
public boolean inType() {
return true;
}
public boolean isInlineTag() {
return false;
}
public static void register(Map tagletMap) {
CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
}
public String toString(Tag tag) {
return toString(new Tag[] { tag });
}
public String toString(Tag[] tags) {
if (tags.length == 0) {
return null;
}
else {
boolean haveValidTag = false;
for (int i = 0; i < tags.length && !haveValidTag; ++i) {
if (tags[i].text().length() > 0) {
haveValidTag = true;
}
}
if (haveValidTag) {
StringBuffer result = new StringBuffer();
result.append("<dl>");
for (int i = 0; i < tags.length; i++) {
if (tags[i].text().length() > 0) {
result.append("<dt><i>Copyright &#169; " + tags[i].text() + "</i></dt>");
}
}
result.append("</dl>");

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return result.toString();

else {
    return null;
}
}
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Ty Coon, President of Vice

That's all there is to it!

// DO NOT EDIT THIS FILE - it is machine generated -*- c++ -*-

#ifndef __java_security_Permission__
#define __java_security_Permission__

#pragma interface

#include <java/lang/Object.h>
extern "Java"
{
namespace java
{
namespace security
{
    class Permission;
    class PermissionCollection;
}
}
}

class java::security::Permission : public ::java::lang::Object
{
public:
    Permission<::java::lang::String *>;
    virtual void checkGuard(::java::lang::Object *);
    virtual jboolean implies(::java::security::Permission *) = 0;
    virtual jboolean equals(::java::lang::Object *) = 0;
    virtual jint hashCode() = 0;
    virtual ::java::lang::String * getName();
    virtual ::java::lang::String * getActions() = 0;
    virtual ::java::security::PermissionCollection * newPermissionCollection();
    virtual ::java::lang::String * toString();
private:
    static const jlong serialVersionUID = -5636570222315966744LL;
    ::java::lang::String *__attribute__((aligned(__alignof__(::java::lang::Object)))) name;
public:
    static ::java::lang::Class class$;
};

#endif // __java_security_Permission__
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package java.security;

import gnu.java.lang.CPStringBuilder;

import java.io.Serializable;

/**
 * This class is the abstract superclass of all classes that implement
 * the concept of a permission. A permission consists of a permission name
 * and optionally a list of actions that relate to the permission. The
 * actual meaning of the name of the permission is defined only in the
 * context of a subclass. It may name a resource to which access permissions
 * are granted (for example, the name of a file) or it might represent
 * something else entirely. Similarly, the action list only has meaning
 * within the context of a subclass. Some permission names may have no
 * actions associated with them. That is, you either have the permission
 * or you don't.
 * 
 * <p>The most important method in this class is <code>implies</code>. This
* checks whether if one has this permission, then the specified
* permission is also implied. As a conceptual example, consider the
* permissions "Read All Files" and "Read File foo". The permission
* "Read All Files" implies that the caller has permission to read the
* file foo.
*
* <p><code>Permission</code>'s must be immutable - do not change their
* state after creation.
*
* @author Aaron M. Renn (arenn@urbanophile.com)
* @see Permissions
* @see PermissionCollection
* @since 1.1
* @status updated to 1.4
*/
public abstract class Permission implements Guard, Serializable
{
/**
 * Compatible with JDK 1.1+.
 */
private static final long serialVersionUID = -5636570222231596674L;

/**
 * This is the name assigned to this permission object.
 *
 * @serial the name of the permission
 */
private String name;

/**
 * Create an instance with the specified name.
 *
 * @param name the permission name
 */
public Permission(String name)
{
    this.name = name;
}

/**
 * This method implements the <code>Guard</code> interface for this class.
 * It calls the <code>checkPermission</code> method in
 * <code>SecurityManager</code> with this <code>Permission</code> as its
 * argument. This method returns silently if the security check succeeds
 * or throws an exception if it fails.
 *
 * @param obj the <code>Object</code> being guarded - ignored by this class
 * @throws SecurityException if the security check fails
 */
public void checkGuard(Object obj) {
    SecurityManager sm = System.getSecurityManager();
    if (sm != null)
        sm.checkPermission(this);
}

/**
 * This method tests whether this <code>Permission</code> implies that the
 * specified <code>Permission</code> is also granted.
 *
 * @param perm the <code>Permission</code> to test against
 * @return true if perm is implied by this
 */
public abstract boolean implies(Permission perm);

/**
 * Check to see if this object equals obj. Use <code>implies</code>, rather
 * than <code>equals</code>, when making access control decisions.
 *
 * @param obj the object to compare to
 */
public abstract boolean equals(Object obj);

/**
 * This method returns a hash code for this <code>Permission</code>. It
 * must satisfy the contract of <code>Object.hashCode</code>: it must be
 * the same for all objects that equals considers to be the same.
 *
 * @return a hash value
 */
public abstract int hashCode();

/**
 * Get the name of this <code>Permission</code>.
 *
 * @return the name
 */
public final String getName() {
    return name;
}

/**
 * This method returns the list of actions for this <code>Permission</code>
...
* as a `<code>String</code>`. The string should be in canonical order, for
* example, both `<code>new FilePermission(f, "write,read")</code>` and
* `<code>new FilePermission(f, "read,write")</code>` have the action list
* "read,write".

* @return the action list for this `<code>Permission</code>`
*/
public abstract String getActions();

/**
 * This method returns an empty `<code>PermissionCollection</code>` object
 * that can store permissions of this type, or `<code>null</code>` if no
 * such collection is defined. Subclasses must override this to provide
 * an appropriate collection when one is needed to accurately calculate
 * `<code>implies</code>`.
 *
 * @return a new `<code>PermissionCollection</code>`
 */
public PermissionCollection newPermissionCollection()
{
    return null;
}

/**
 * This method returns a `<code>String</code>` representation of this
 * `<code>Permission</code>` object. This is in the format:
 * `<code>'(' + getClass().getName() + ' ' + getName() + ' ' + getActions
 * + ')'</code>.
 *
 * @return this object as a `<code>String</code>`
 */
public String toString()
{
    CPStringBuilder string = new CPStringBuilder();

    string = string.append('(');
    string = string.append(getClass().getName());
    string = string.append(' ');
    string = string.append(getName());
    string = string.append(' ');
    string = string.append(getActions());
    string = string.append(')');

    if (!(getActions().equals("")))
    {
        string = string.append(' ');
        string = string.append(getActions());
    }

    string = string.append(')');
    return string.toString();
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Version 2.1, February 1999

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Version 3, 29 June 2007

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#
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#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
# update-copyright.pl --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
# update-copyright.pl --this-year libjava
#
# would run the script on just libjava/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess
class Errors:
    def __init__(self):
        self.num_errors = 0

    def report(self, filename, string):
        if filename:
            string = filename + ':' + string
        sys.stderr.write(string + '
')
        self.num_errors += 1

    def ok(self):
        return self.num_errors == 0

class GenericFilter:
    def __init__(self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set(['COPYING',
                                'COPYING.LIB',
                                'COPYING3',
                                'COPYING3.LIB',
                                'LICENSE',
                                'fdl.texi',
                                'gpl_v3.texi',
                                'fdl-1.3.xml',
                                'gpl-3.0.xml',
                                'aclocal.m4',
                                'compile',
                                'config.guess',
                                'config.sub',
                                'depcomp',
                                'install-sh',
                                'libtool.m4',
                                'ltmain.sh',
                                'lttoptions.m4',
                                'ltversion.m4',
                                'lt--obsolete.m4',
                                'missing',
                                'fossilised_files',
                                'own_files'])
def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile ('\t')
    return None

def skip_file (self, dir, filename):
    if filename in self.skip_files:
        return True
    (base, extension) = os.path.splitext (os.path.join (dir, filename))
    if extension in self.skip_extensions:
        return True
    if extension == '.in':  # Skip .in files produced by automake.
        if os.path.exists (base + '.am'):
            return True
    # Skip files produced by autogen
    if (os.path.exists (base + '.def')
        and os.path.exists (base + '.tpl')):
        return True
    # Skip configure files produced by autoconf
    if filename == 'configure':  # Skip configure files produced by autoconf
        if os.path.exists (base + '.ac'):
            return True
        if os.path.exists (base + '.in'):  # Skip configure files produced by autoconf
            return True
    return False
def skip_dir (self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file (self, dir, filename):
    if filename in self.fossilised_files:
        return True
    # Only touch current current ChangeLogs.
    if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
        return True
    return False

def by_package_author (self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__ (self, errors):
        self.errors = errors

        # Characters in a range of years. Include '.' for typos.
        ranges = '[0-9][?:-0-9,,\s]+and\s*[0-9]'

        # Non-whitespace characters in a copyright holder's name.
        name = '\w-\'

        # Matches one year.
        self.year_re = re.compile ('[0-9]+')

        # Matches part of a year or copyright holder.
        self.continuation_re = re.compile (ranges + '|' + name)

        # Matches a full copyright notice:
        self.copyright_re = re.compile (self.year_re + self.continuation_re)

        # 2: the years. Include the whitespace in the year, so that
        # we can remove any excess.
        '\(\s*\(?:\+ ' + ranges + ' \),?'')'
# 3: 'by ', if used
'(by\s+)'?

# 4: the copyright holder. Don't allow multiple consecutive
# spaces, so that right-margin gloss doesn't get caught
# (e.g. gnat_ugn.texi).
'( + name +(?:\s? + name + *)?)'

# A regexp for notices that might have slipped by. Just matching
# 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
# HTML header markers, so check for 'copyright' and two digits.
self.other_copyright_re = re.compile ('copyright.*[0-9][0-9]',
                                          re.IGNORECASE)
s
self.comment_re = re.compile('#+|[*]+|;+|%+|//+|@c |dnl ')
s
self.holders = { '@copying': '@copying' }
s
self.holder_prefixes = set()

# True to 'quilt add' files before changing them.
self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s). Could be ',', '.
self.separator = ' ' 

def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find (')'
    while index >= 0:
        self.holder_prefixes.add (holder[:index])
        index = holder.find ('', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__ (self, year):
        self.year = year

    def __str__ (self):
        return 'unrecognised year: ' + self.year

    def parse_year (self, string):
        year = int (string)
if len(string) == 2:
    if year > 70:
        return year + 1900
elif len(string) == 4:
    return year
raise self.BadYear(string)

def year_range(self, years):
    year_list = [self.parse_year(year)
                 for year in self.year_re.findall(years)]
    assert len(year_list) > 0
    return (min(year_list), max(year_list))

def set_use_quilt(self, use_quilt):
    self.use_quilt = use_quilt

def include_year(self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years(self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith('@value '):
        return years
    (min_year, max_year) = self.year_range(years)

    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file(dir, filename):
        max_year = max(max_year, self.max_year)

    # Use a range.
    if min_year == max_year:
        return '%d' % min_year
    else:
        return '%d-%d' % (min_year, max_year)

def strip_continuation(self, line):
    line = line.lstrip()
    match = self.comment_re.match(line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete(self, match):
    holder = match.group(4)
    return (holder
            and (holder not in self.holder_prefixes
                ...
def update_copyright(self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join(dir, filename)

    intro = match.group(1)
    if intro.startswith('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end(2):].strip()
        if after_years != ':
            self.errors.report(pathname,
                'trailing characters in @set: ' + after_years)
            return (False, orig_line, next_line)
        else:
            # If it looks like the copyright is incomplete, add the next line.
            while not self.is_complete(match):
                try:
                    next_line = file.next()
                except StopIteration:
                    break
                # If the next line doesn't look like a proper continuation,
                # assume that what we've got is complete.
                continuation = self.strip_continuation(next_line)
                if not self.continuation_re.match(continuation):
                    break

            # Merge the lines for matching purposes.
            orig_line += next_line
            line = line.rstrip() + ' ' + continuation
            next_line = None

            # Rematch with the longer line, at the original position.
            match = self.copyright_re.match(line, match.start())
            assert match

            holder = match.group(4)

            # Use the filter to test cases where markup is getting in the way.
            if filter.by_package_author(dir, filename):
                assert holder not in self.holders
            elif not holder:
                self.errors.report(pathname, 'missing copyright holder')
                return (False, orig_line, next_line)
            else:
                break
    else:
        # If it looks like the copyright is incomplete, add the next line.
        while not self.is_complete(match):
            try:
                next_line = file.next()
            except StopIteration:
                break

            # If the next line doesn't look like a proper continuation,
            # assume that what we've got is complete.
            if not self.continuation_re.match(next_line):
                break

            # Merge the lines for matching purposes.
            orig_line += next_line
            line = line.rstrip() + ' ' + next_line
            next_line = None

            # Rematch with the longer line, at the original position.
            match = self.copyright_re.match(line, match.start())
            assert match

            holder = match.group(4)

            # Use the filter to test cases where markup is getting in the way.
            if filter.by_package_author(dir, filename):
                assert holder not in self.holders
            elif not holder:
                self.errors.report(pathname, 'missing copyright holder')
                return (False, orig_line, next_line)
elif holder not in self.holders:
    self.errors.report (pathname,
    'unrecognised copyright holder: ' + holder)
    return (False, orig_line, next_line)

else:
    # See whether the copyright is associated with the package
    # author.
    canon_form = self.holders[holder]
    if not canon_form:
        return (False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
    line = (line[:match.start (4)]
            + canon_form
            + line[match.end (4):])

    # Remove any 'by'
    line = line[:match.start (3)] + line[match.end (3):]

    # Update the copyright years.
    years = match.group (2).strip()
    try:
        canon_form = self.canonicalise_years (dir, filename, filter, years)
    except self.BadYear as e:
        self.errors.report (pathname, str (e))
        return (False, orig_line, next_line)

    line = (line[:match.start (2)]
            + ('' if intro.startswith ('copyright = ') else ' ') + canon_form + self.separator
            + line[match.end (2):])

    # Use the standard (C) form.
    if intro.endswith ('right'):
        intro += ' (C)
    elif intro.endswith ('(c)'):
        intro = intro[:-3] + '(C)
    line = line[:match.start (1)] + intro + line[match.end (1):]

    # Strip trailing whitespace
    line = line.rstrip() + '\n'

    return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
if filename.endswith('.tmp'):
    # Looks like something we tried to create before.
    try:
        os.remove(pathname)
    except OSError:
        pass
    return

lines = []
changed = False
line_filter = filter.get_line_filter(dir, filename)
with open(pathname, 'r') as file:
    prev = None
    for line in file:
        while line:
            next_line = None
            # Leave filtered-out lines alone.
            if not (line_filter and line_filter.match(line)):
                match = self.copyright_re.search(line)
                if match:
                    res = self.update_copyright(dir, filename, filter,
                                                 file, line, match)
                    (this_changed, line, next_line) = res
                    changed = changed or this_changed

            # Check for copyright lines that might have slipped by.
            elif self.other_copyright_re.search(line):
                self.errors.report(pathname,
                                   'unrecognised copyright: %s'
                                   % line.strip())
                lines.append(line)
                line = next_line

        # If something changed, write the new file out.
        if changed and self.errors.ok():
            tmp_pathname = pathname + '.tmp'
            with open(tmp_pathname, 'w') as file:
                for line in lines:
                    file.write(line)
                if self.use_quilt:
                    subprocess.call(['quilt', 'add', pathname])
            os.rename(tmp_pathname, pathname)

    def process_tree(self, tree, filter):
        for (dir, subdirs, filenames) in os.walk(tree):
            # Don't recurse through directories that should be skipped.
            for i in xrange(len(subdirs) - 1, -1, -1):
                if filter.skip_dir(dir, subdirs[i]):
del subdirs[i]

# Handle the files in this directory.
for filename in filenames:
    if filter.skip_file (dir, filename):
        sys.stdout.write ('Skipping %s\n'
                         % os.path.join (dir, filename))
    else:
        self.process_file (dir, filename, filter)

class CmdLine:
    def __init__ (self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright (self.errors)
        self.dirs = []
        self.default_dirs = []
        self.chosen_dirs = []
        self.option_handlers = dict()
        self.option_help = []

        self.add_option ('--help', 'Print this help', self.o_help)
        self.add_option ('--quilt', '"quilt add" files before changing them',
                         self.o_quilt)
        self.add_option ('--this-year', 'Add the current year to every notice',
                         self.o_this_year)

        def add_option (self, name, help, handler):
            self.option_help.append ((name, help))
            self.option_handlers[name] = handler

        def add_dir (self, dir, filter = GenericFilter()):
            self.dirs.append ((dir, filter))

        def o_help (self, option = None):
            sys.stdout.write ('Usage: %s [options] dir1 dir2...\n' % sys.argv[0])
            format = '%-15s %s
'
            for (what, help) in self.option_help:
                sys.stdout.write (format % (what, help))
            sys.stdout.write ('
Directories:
')
            if i % 3 == 0 or i == len (self.dirs):
                sys.stdout.write (dir + '\n')
            else:
sys.stdout.write (format % dir)
sys.exit (0)

def o_quilt (self, option):
    self.copyright.set_use_quilt (True)

def o_this_year (self, option):
    self.copyright.include_year (time.localtime().tm_year)

def main (self):
    for arg in sys.argv[1:]:
        if arg[1] != '-':
            self.chosen_dirs.append (arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg] (arg)
        else:
            self.errors.report (None, 'unrecognised option: ' + arg)
    if self.errors.ok():
        if len (self.chosen_dirs) == 0:
            self.chosen_dirs = self.default_dirs
        if len (self.chosen_dirs) == 0:
            self.o_help()
        else:
            for chosen_dir in self.chosen_dirs:
                canon_dir = os.path.join (chosen_dir, '')
                count = 0
                for (dir, filter) in self.dirs:
                    if (dir + os.sep).startswith (canon_dir):
                        count += 1
                        self.copyright.process_tree (dir, filter)
                if count == 0:
                    self.errors.report (None, 'unrecognised directory: ' + chosen_dir)
            sys.exit (0 if self.errors.ok() else 1)

#----------------------------------------------------------------------------
class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True

class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    def skip_file (self, dir, filename):
        if filename.endswith ('.m4'):
            pathname = os.path.join (dir, filename)
with open (pathname) as file:
    # Skip files imported from gettext.
    if file.readline().find ('gettext-') >= 0:
        return True
    return GenericFilter.skip_file (self, dir, filename)

class GCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set ([
            # Not part of GCC
            'math-68881.h',
        ])

        self.skip_dirs |= set ([
            # Better not create a merge nightmare for the GNAT folks.
            'ada',
            # Handled separately.
            'testsuite',
        ])

        self.skip_extensions |= set ([
            # Maintained by the translation project.
            '.po',
            # Automatically-generated.
            '.pot',
        ])

        self.fossilised_files |= set ([
            # Old news won't be updated.
            'ONEWS',
        ])

class TestsuiteFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set ([
            # Don't change the tests, which could be woend by anyone.
            '.c',
            '.C',
            '.cc',
            '.h',
            '.hs',
            '.f',
        ])

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def skip_file (self, dir, filename):
    if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
        return True
    return GenericFilter.skip_file (self, dir, filename)

class LibCppFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set (
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
            
            # Imported from GLIBC.
            'soft-fp',
            
            # Handled separately.
            'testsuite',
            'contrib',
            'classpath',
            'libltdl',
            )

class LibGCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set (
            # Imported from GLIBC.
            'soft-fp',
            
            # Not really part of the library
            'contrib',

            # Imported from upstream
            'classpath',
            'libltdl',
            )
def get_line_filter (self, dir, filename):
    if filename == 'NameDecoder.h':
        return re.compile ('.*NAME_COPYRIGHT')
    if filename == 'ICC_Profile.h':
        return re.compile ('.*icSigCopyrightTag')
    return GenericFilter.get_line_filter (self, dir, filename)

class LibMudflapFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set (
            # Handled separately.
            'testsuite',
        )

class LibStdCxxFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set (
            # Contains no copyright of its own, but quotes the GPL.
            'intro.xml',
        )

        self.skip_dirs |= set (
            # Contains automatically-generated sources.
            'html',

            # The testsuite data files shouldn't be changed.
            'data',

            # Contains imported images
            'images',
        )

        self.own_files |= set (
            # Contains markup around the copyright owner.
            'spine.xml',
        )

    def get_line_filter (self, dir, filename):
        if filename == 'boost_concept_check.h':
            return re.compile ('// (C) Copyright Jeremy Siek')
        return GenericFilter.get_line_filter (self, dir, filename)
class GCCCopyright (Copyright):
    def __init__ (self, errors):
        Copyright.__init__ (self, errors)

        canon_fsf = 'Free Software Foundation, Inc.'
        self.add_package_author ('Free Software Foundation', canon_fsf)
        self.add_package_author ('Free Software Foundation.', canon_fsf)
        self.add_package_author ('Free Software Foundation Inc.', canon_fsf)
        self.add_package_author ('Free Software Foundation, Inc', canon_fsf)
        self.add_package_author ('Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author ('The Free Software Foundation', canon_fsf)
        self.add_package_author ('The Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author ('Software Foundation, Inc.', canon_fsf)

        self.add_external_author ('ARM')
        self.add_external_author ('AdaCore')
        self.add_external_author ('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
        self.add_external_author ('Cavium Networks.')</n        self.add_external_author ('Faraday Technology Corp.')
        self.add_external_author ('Florida State University')
        self.add_external_author ('Greg Colvin and Beman Dawes.')
        self.add_external_author ('Hewlett-Packard Company')
        self.add_external_author ('Information Technology Industry Council.')
        self.add_external_author ('James Theiler, Brian Gough')
        self.add_external_author ('Makoto Matsumoto and Takuji Nishimura,')
        self.add_external_author ('National Research Council of Canada.')
        self.add_external_author ('Peter Dimov and Multi Media Ltd.')
        self.add_external_author ('Peter Dimov')
        self.add_external_author ('Pipeline Associates, Inc.')
        self.add_external_author ('Regents of the University of California.')
        self.add_external_author ('Silicon Graphics Computer Systems, Inc.')
        self.add_external_author ('Silicon Graphics')
        self.add_external_author ('Stephen L. Moshier')
        self.add_external_author ('Sun Microsystems, Inc. All rights reserved.')
        self.add_external_author ('The Go Authors. All rights reserved.')
        self.add_external_author ('The Regents of the University of California.')
        self.add_external_author ('Unicode, Inc.')
        self.add_external_author ('University of Toronto.')

class GCCCmdLine (CmdLine):
    def __init__ (self):
        CmdLine.__init__ (self, GCCCopyright)

        self.add_dir ('.', TopLevelFilter())
        self.add_dir ('config', ConfigFilter())
# contrib isn't really part of GCC.
self.add_dir('fixincludes')
self.add_dir('gcc', GCCFilter())
self.add_dir(os.path.join('gcc', 'testsuite'), TestsuiteFilter())
self.add_dir('gnattools')
self.add_dir('include')
self.add_dir('libada')
self.add_dir('libatomic')
self.add_dir('libbacktrace')
self.add_dir('libcpp', LibCppFilter())
self.add_dir('libdecnumber')
# libffi is imported from upstream.
self.add_dir('libgcc', LibGCCFilter())
self.add_dir('libfortran')
self.add_dir('libgomp')
self.add_dir('libiberty')
self.add_dir('libitm')
self.add_dir('libjava', LibJavaFilter())
self.add_dir(os.path.join('libjava', 'testsuite'), TestsuiteFilter())
self.add_dir('libmudflap', LibMudflapFilter())
self.add_dir(os.path.join('libmudflap', 'testsuite'), TestsuiteFilter())
self.add_dir('libobjc')
self.add_dir('libquadmath')
# libsanitiser is imported from upstream.
self.add_dir('libssp')
self.add_dir('libstdc++-v3', LibStdCxxFilter())
self.add_dir('lto-plugin')
# zlib is imported from upstream.

self.default_dirs = [
    'gcc',
    'libada',
    'libatomic',
    'libbacktrace',
    'libcpp',
    'libdecnumber',
    'libgcc',
    'libfortran',
    'libgomp',
    'libitm',
    'libmudflap',
    'libobjc',
    'libstdc++-v3',
]

GCCCmdLine().main()
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Version 2.1, February 1999

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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.]

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<init>(Ljava/lang/String;I)V
LineNumberTableLocalVariableTable
thisvalues4)[Ljava/lang/Enum;$&%java/lang/System'(arraycopy*(Ljava/lang/Object;ILjava/lang/Object;II)VvalueOfE(Ljava/lang/String;)[Ljava/lang/Enum;Lgnu/java/sound/AudioSecurityManager$Permission;;)-5(Ljava/lang/Class;Ljava/lang/String;)Ljava/lang/Enum;
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Version 3.1, 31 March 2009

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If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the `"with...Texts."' line with this:

@smallexample
@group
with the Invariant Sections being @var{list their titles}, with the Front-Cover Texts being @var{list}, and with the Back-Cover Texts being @var{list}.
@end group
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@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:

@c man end
java/security/acl/Permission
java/lang/Object
equals(Ljava/lang/Object;)Z
toString()Ljava/lang/String;
SourceFilePermission.java

/* Definitions for BSD assembler syntax for Intel 386 (actually AT&T syntax for insns and operands, adapted to BSD conventions for symbol names and debugging.) Copyright (C) 1988-2015 Free Software Foundation, Inc. */
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<http://www.gnu.org/licenses/>. */

/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using
underscores, we are using prefix `.s' to identify labels that should
be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "\t.byte\t"
define ASM_SHORT "\t.word\t"
define ASM_LONG "\t.long\t"
define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line
    that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE,SIZE) \   fprintf (FILE, "\t.space "HOST_WIDE_INT PRINT_UNSIGNED\"n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */
/* This says how to output an assembler line to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED)  
    ( fputs (".comm ", (FILE)),
          assemble_name ((FILE), (NAME)),
          fprintf ((FILE), ",%u
", (int)(ROUNDED)))

/* This says how to output an assembler line to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED)  
    ( fputs (".lcomm ", (FILE)),
          assemble_name ((FILE), (NAME)),
          fprintf ((FILE), ",%u
", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  
    ( fputs (".lcomm ", (FILE)),
          assemble_name ((FILE), (NAME)),
          fprintf ((FILE), ",%u,%u
", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line that says to advance the location counter to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG)
    if ((LOG)!=0) fprintf ((FILE), 	.align %d
", (LOG))

/* This is how to store into the string BUF the symbol_ref name of an internal numbered label where
   PREFIX is the class of label and NUM is the number within the class.
   This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)
    sprintf ((BUF), 
        
/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX "_

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don’t split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0
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{
}

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{
public:
    virtual jboolean equals(::java::lang::Object *) = 0;
    virtual ::java::lang::String * toString() = 0;
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} __attribute__ ((java_interface));

#endif // __java_security_acl_Permission__

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

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

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

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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 (dossier@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@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D. Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs (detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks (agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port. Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk). Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task). Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port. David Chase, then at Olivetti Research, suggested several improvements. Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC. Jesse Hull and John Ellis supplied the C++ interface code.
Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn’t made it into the released version of the collector, yet.)

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public interface Permission
{
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     * (passed as an <code>Object</code>) is the same as this permission.
     *
     * @param perm The permission to check for equality
     *
     * @return <code>true</code> if the specified permission is the same as this one, <code>false</code> otherwise
     */
    boolean equals (Object perm);

    /**
     * This method returns this <code>Permission</code> as a <code>String</code>.
     *
     * @return A <code>String</code> representing this permission.
     */
    String toString();
}

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#define __gnu_javax_sound_AudioSecurityManager$Permission__

#pragma interface

#include <java/lang/Enum.h>
#include <gcj/array.h>

extern "Java"
{
    namespace gnu
    {
        namespace javax
        {
            namespace sound
            {
                class AudioSecurityManager$Permission;
            }
        }
    }
}
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Async is a composable asynchronous I/O framework for Ruby based on [nio4r](https://github.com/socketry/nio4r) and [timers](https://github.com/socketry/timers).

> "Lately I’ve been looking into 'async', as one of my projects – [tus-ruby-server](https://github.com/janko/tus-ruby-server) – would really benefit from non-blocking I/O. It's really beautifully designed." *– [janko](https://github.com/janko)*


## Features

- Scalable event-driven I/O for Ruby. Thousands of clients per process!
- Light weight fiber-based concurrency. No need for callbacks!
- Multi-thread/process containers for parallelism.
- Growing eco-system of event-driven components.

## Usage

Please see the [project documentation](https://socketry.github.io/async).

## Contributing
We welcome contributions to this project.

1. Fork it.
2. Create your feature branch (`git checkout -b my-new-feature`).
3. Commit your changes (`git commit -am 'Add some feature'`).
4. Push to the branch (`git push origin my-new-feature`).
5. Create new Pull Request.

## See Also

- [async-websocket](https://github.com/socketry/async-websocket) — Asynchronous client and server websockets.
- [async-dns](https://github.com/socketry/async-dns) — Asynchronous DNS resolver and server.
- [async-rspec](https://github.com/socketry/async-rspec) — Shared contexts for running async specs.

### Projects Using Async

- [ciri](https://github.com/ciri-ethereum/ciri) — An Ethereum implementation written in Ruby.
- [falcon](https://github.com/socketry/falcon) — A rack compatible server built on top of `async-http`.
- [rubydns](https://github.com/ioquatix/rubydns) — A easy to use Ruby DNS server.
- [slack-ruby-bot](https://github.com/slack-ruby/slack-ruby-bot) — A client for making slack bots.

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This gmp package was built for Debian by

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Philipp Matthias Hahn <pmhahn@debian.org>

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     */
    /**
     * Not supported. <b>You are attempting to create a map that may contain a non-{@code Comparable}</b>
     * key.</b> Proper calls will resolve to the version in {@code ImmutableSortedMap}, not this dummy
     * version.
     *
     * @throws UnsupportedOperationException always
     * @deprecated <b>Pass a key of type {@code Comparable} to use {@link
     *     ImmutableSortedMap#of(Comparable, Object)}.</b>
     */

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    */opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
    jar/com/google/common/collection/ImmutableSortedMapFauxverideShim.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collection/ConcurrentHashMultiset.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collection/ComparatorOrdering.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collection/AbstractMultiset.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collection/ReverseNaturalOrdering.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collection/ImmutableSet.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collection/ForwardingSortedSet.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collection/ForwardingListIterator.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collection/TreeMultimap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collection/ LinkedListMultimap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collection/ForwardingSortedMap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collection/Iterators.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collection/ExplicitOrdering.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collection/Multiset.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collection/LinkedHashMultiset.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collection/SetMultimap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collection/package-info.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collection/UsingToStringOrdering.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collection/HashMultimap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collection/NaturalOrdering.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collect/ListMultimap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collect/ForwardingIterator.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collect/MutableClassToInstanceMap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collect/AbstractSortedSetMultimap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collect/ClassToInstanceMap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collect/AbstractSetMultimap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collect/ForwardingQueue.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collect/NullsFirstOrdering.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collect/Multimaps.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collect/ForwardingObject.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collect/Multimap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collect/Ordering.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collect/AbstractMapBasedMultimap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collect/ForwardingMultimap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collect/Sets.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collect/SingletonImmutableSet.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collect/Lists.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collect/ByFunctionOrdering.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collect/AbstractMapBasedMultimap.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collect/AbstractMapEntry.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collect/ForwardingList.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/WellBehavedMap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/GwtTransient.java

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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/WrappingExecutorService.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/AbstractListeningExecutorService.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/Present.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/RegularImmutableMultiset.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/net/MediaType.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/hash/BloomFilterStrategies.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/reflect/Types.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/ForwardingListeningExecutorService.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/cache/ForwardingLoadingCache.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/math/BigIntegerMath.java
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  jar/com/google/common/cache/Striped64.java
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  jar/com/google/common/cache/LongAdder.java
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* /opt/cola/permits/110675684_160683710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collection/ImmutableSortedMultisetFauxverideShim.java
* /opt/cola/permits/110675684_160683710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collection/RegularImmutableSortedMultiset.java
* /opt/cola/permits/110675684_160683710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collection/AbstractRangeSet.java
* /opt/cola/permits/110675684_160683710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collection/SortedIterable.java
* /opt/cola/permits/110675684_160683710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collection/ImmutableSortedMultiset.java
* /opt/cola/permits/110675684_160683710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/hash/MacHashFunction.java
* /opt/cola/permits/110675684_160683710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/util/concurrent/AsyncCallable.java
* /opt/cola/permits/110675684_160683710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/util/concurrent/LittleEndianByteArray.java
* /opt/cola/permits/110675684_160683710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/util/concurrent/InterruptibleTask.java
* /opt/cola/permits/110675684_160683710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/util/concurrent/CombinedFuture.java
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jar/com/google/common/util/concurrent/AsyncCallable.java
* /opt/cola/permits/110675684_160683710.64/0/guava-25-0-jre-sources-4-
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jar/com/google/common/util/concurrent/InterruptibleTask.java
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jar/com/google/common/util/concurrent/CombinedFuture.java
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jar/com/google/common/util/concurrent/AggregateFutureState.java
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jar/com/google/common/hash/FarmHashFingerprint64.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/io/ReaderInputStream.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collect/ConsumingQueueIterator.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/annotations/package-info.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/primitives/package-info.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/base/Equivalence.java
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jar/com/google/common/util/concurrent/ThreadFactoryBuilder.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/base/Strings.java
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jar/com/google/common/net/package-info.java
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jar/com/google/common/collect/SortedLists.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collect/UncaughtExceptionHandler.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collect/ContiguousSet.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-

jar/com/google/common/util/concurrent/Atomics.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/util/concurrent/Monitor.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/util/concurrent/ListeningExecutorService.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/annotations/Beta.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
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 */
/**
 * Outer class that exists solely to let us write [@code Partially.GwtIncompatible] instead of plain
 * [@code GwtIncompatible]. This is more accurate for [@link Futures#catching], which is available
 * under GWT but with a slightly different signature.
 *
 * <p>We can't use [@code PartiallyGwtIncompatible] because then the GWT compiler wouldn't recognize
 * it as a [@code GwtIncompatible] annotation. And for [@code Futures.catching], we need the GWT
 * compiler to autostrip the normal server method in order to expose the special, inherited GWT
 * version.
 */

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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/util/concurrent/ImmediateFuture.java
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  jar/com/google/common/escape/CharEscaperBuilder.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/util/concurrent/AbstractCatchingFuture.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/util/concurrent/SimpleTimeLimiter.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/util/concurrent/UncheckedTimeoutException.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/util/concurrent/AggregateFuture.java
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  jar/com/google/common/annotations/VisibleForTesting.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/util/concurrent/GwtFluentFutureCatchingSpecialization.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/util/concurrent/FakeTimeLimiter.java
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  jar/com/google/common/base/CaseFormat.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/util/concurrent/CollectionFuture.java
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  jar/com/google/common/util/concurrent/GwtFuturesCatchingSpecialization.java
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  jar/com/google/common/util/concurrent/TimeLimiter.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/reflect/TypeToken.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/util/concurrent/AbstractTransformFuture.java
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jar/com/google/common/util/concurrent/TimeoutFuture.java
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 */

/**
 * Holder for extra methods of {@code Objects} only in web. Intended to be empty for regular
 * version.
 */

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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collection/RowSortedTable.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collection/AbstractSequentialIterator.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collection/ForwardingSortedSetMultimap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collection/SortedMapDifference.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collection/ForwardingImmutableCollection.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collection/MinMaxPriorityQueue.java
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jar/com/google/common/collection/ForwardingSetMultimap.java
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  jar/com/google/common/primitives/ImmutableDoubleArray.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/hash/AbstractHashFunction.java
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  jar/com/google/common/util/concurrent/ForwardingCondition.java
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 */
/**
 * Returns an array containing all of the elements in the specified collection. This method
 * returns the elements in the order they are returned by the collection's iterator. The returned
 * array is "safe" in that no references to it are maintained by the collection. The caller is
 * thus free to modify the returned array.
 *
 * <p>This method assumes that the collection size doesn't change while the method is running.
 *
 * <p>TODO(kevinb): support concurrently modified collections?
 *
 * @param c the collection for which to return an array of elements
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/CommonMatcher.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/Utf8.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/eventbus/SubscriberExceptionContext.java
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  jar/com/google/common/hash/package-info.java
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  jar/com/google/common/primitives/Primitives.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/io/LineReader.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/base/Predicates.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/base/Objects.java
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  jar/com/google/common/base/Function.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/package-info.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/eventbus/AsyncEventBus.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/eventbus/Subscribe.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/io/ByteStreams.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/EnumMultiset.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/io/LittleEndianDataInputStream.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/Predicate.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/eventbus/package-info.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/io/CountingOutputStream.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/io/MultiInputStream.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/FinalizableReference.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/FinalizableReferenceQueue.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/eventbus/AllowConcurrentEvents.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/io/Resources.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/AbstractFuture.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/AbstractFuture.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/Supplier.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/io/Closeables.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/AbstractFuture.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/io/Flushables.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/io/CharStreams.java
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  jar/com/google/common/io/RecursiveDeleteOption.java
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  jar/com/google/common/graph/PredecessorsFunction.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/io/InsecureRecursiveDeleteException.java
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  jar/com/google/common/graph/ImmutableNetwork.java
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  jar/com/google/common/graph/MutableGraph.java
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  jar/com/google/common/graph/Network.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/graph/MutableNetwork.java
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  jar/com/google/common/collect/TopKSelector.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/graph/ImmutableGraph.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/graph/Graph.java
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  jar/com/google/common/graph/Graphs.java

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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/hash/ImmutableSupplier.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/JdkBackedImmutableSet.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/AbstractBaseGraph.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/Traverser.java
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jar/com/google/common/graph/package-info.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collect/ImmutableBiMapFauxverideShim.java
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  jar/com/google/common/math/PairedStats.java
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  jar/com/google/common/util/concurrent/RateLimiter.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/collect/ImmutableRangeMap.java
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  jar/com/google/common/reflect/Parameter.java
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  jar/com/google/common/hash/SipHashFunction.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/reflect/AbstractInvocationHandler.java
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  jar/com/google/common/io/ByteSource.java
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  jar/com/google/common/reflect/ClassPath.java
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  jar/com/google/common/reflect/Element.java
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  jar/com/google/common/io/ByteSink.java
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  jar/com/google/common/reflect/MutableTypeToInstanceMap.java
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  jar/com/google/common/collections/PeekingIterator.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collection/Table.java

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#+begin_quote
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1.522 python3-jwt 1.5.3+ds1 1

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

------------------------------------------------------------------------
---
abstract: 'Build and install Perl modules'
author:
- 'Ken Williams <kwilliams@cpan.org>'
- "Development questions, bug reports, and patches should be sent to the
Module-Build mailing list at <module-
buidl@perl.org>.'
build_requires:
File::Temp: 0.15
Test::Harness: 3.16
Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
url: http://module-build.sourceforge.net/META-spec-v1.4.html
version: 1.4
name: Module-Build
resources:
MailingList: mailto:module-build@perl.org
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Files-Excluded-regen-configure: bin/*
Upstream-Name: perl
Source: http://www.perl.com/CPAN/src/5.0/
Comment:
This package was debianized by Brendan O'Dea <bod@debian.org> on
Thu, 17 Aug 2000 16:10:54 +1000.

Upstream Authors:
Larry Wall et. al. (see /usr/share/doc/perl/AUTHORS).

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cpan/Locale-Maketext-Simple/t/po_with_i_default/fr.po
cpan/Locale-Maketext-Simple/t/po_with_i_default/en.po
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dist/Math-BigInt/*
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dist/constant/*
dist/Devel-SelfStubber/*
dist/Dumpvalue/*
dist/Env/*
dist/ExtUtils-Command/*
dist/ExtUtils-Manifest/*
dist/I18N-Collate/*
dist/Safe/*
ext/Fcntl/*
ext/FileCache/*
ext/GDBM_File/*
ext/IPC-Open2/*
ext/IPC-Open3/*
ext/NDBM_File/*
ext/ODBM_File/*
ext/Opencode/*
ext/PerlIO-encoding/*
ext/PerlIO-scalar/*
ext/PerlIO-via/*
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ext/re/*
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Julian Seward, jseward@bzip.org
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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 strict;
use Config;
BEGIN { require './test.pl' }

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

my ($opt) = @ARGV;

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

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

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
    open my $readme, '<', '../README' or die "Opening README failed: $!";
}
# The copyright message is the first paragraph:
local $/ = '';
my $copyright_msg = <$readme>;

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

$year;
}

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

  $year;
}

1.528 object.assign 4.1.2

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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
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        <xsl:value-of select="\""/>  
        <xsl:value-of select="normalize-space(substring-before($text, '\n'))"/>  
        <xsl:text>\n</xsl:text>  
        <xsl:variable name="rest" select="substring-after($text, '\n')"/>
        <xsl:if test="translate($rest, '\t\ ', '')">
            <xsl:call-template name="isc.copyright.format">
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        </xsl:if>
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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.
-----------------------------------------------------------------------
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cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/meth/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/meth/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
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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
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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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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

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

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

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/krb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c

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1.540 requirejs 2.1.20

1.541 analysis-common 6.7.1

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1.543 commons-codec 1.9

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1.544 typing-extensions 3.7.4.1

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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
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1.545 java-dogstatsd-client 2.0.8

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1.546 cli-columns 3.1.2

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1.547 d3-voronoi 1.1.2

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1.548 1.549
hk2-utils 2.2.0-b21
dhcp-client 4.3.5 3ubuntu7.1

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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/u1.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5c8f2bb5b6.

  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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1.550 imurmurhash 0.1.4

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Found in path(s):
* /opt/cola/permits/1110635849_1607035374.31/0/imurmurhash-0-1-4-4-tgz/package/README.md

1.551 lodash.get 4.4.2

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1.552 sgml-base 1.29

1.552.1 Available under license:

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1.553 python-matplotlib-data 2.1.1-2ubuntu3

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# Seaborn common parameters
# .15 = dark_gray
# .8 = light_gray
figure.facecolor: white
text.color: .15
axes.labelcolor: .15
legend.frameon: False
legend.numpoints: 1
legend.scatterpoints: 1
xtick.direction: out
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xtick.color: .15
ytick.color: .15
axes.axisbelow: True
image.cmap: Greys
font.family: sans-serif
font.sans-serif: Arial, Liberation Sans, DejaVu Sans, Bitstream Vera Sans, sans-serif
grid.linestyle: -
lines.solid_capstyle: round

# Seaborn whitegrid parameters
axes.grid: True
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axes.edgecolor: .8
axes.linewidth: 1
grid.color: .8
xtick.major.size: 0
ytick.major.size: 0
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 6453
C -1 ; WX 667 ; N Aogonek ; B -67 -183 604 683 ;
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C -1 ; WX 389 ; N zdotaccent ; B -43 -78 368 655 ;
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C -1 ; WX 389 ; N Ilogonek ; B -32 -183 406 669 ;
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KPX Abreve Ucrescumflex -50
KPX Abreve Udieresis -50
KPX Abreve Ugrave -50
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KPX Abreve Uogonek -50
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KPX Abreve W -100
KPX Abreve Y -70
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Open Source Used in DNAC Frost Platform Maglev 1.7.0 1.7.283 6458
KPX Rcaron Ydieresis -18
KPX Rcommaaccent O -40
KPX Rcommaaccent Oacute -40
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KPX Rcommaaccent Odieresis -40
KPX Rcommaaccent Ograve -40
KPX Rcommaaccent Ohungarumlaut -40
KPX Rcommaaccent Omacron -40
KPX Rcommaaccent Oslash -40
KPX Rcommaaccent Otilde -40
KPX Rcommaaccent T -30
KPX Rcommaaccent Tcaron -30
KPX Rcommaaccent Tcommaaccent -30
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KPX Rcommaaccent Uacute -40
KPX Rcommaaccent Ucircumflex -40
KPX Rcommaaccent Udieresis -40
KPX Rcommaaccent Ugrave -40
KPX Rcommaaccent Uhungarumlaut -40
KPX Rcommaaccent Umacron -40
KPX Rcommaaccent Uogonek -40
KPX Rcommaaccent Uring -40
KPX Rcommaaccent V -18
KPX Rcommaaccent W -18
KPX Rcommaaccent Y -18
KPX Rcommaaccent Yacute -18
KPX Rcommaaccent Ydieresis -18
KPX T A -55
KPX T Aacute -55
KPX T Abreve -55
KPX T Acircumflex -55
KPX T Adieresis -55
KPX T Agrave -55
KPX T Amacron -55
KPX T Aogonek -55
KPX T Aring -55
KPX T Atilde -55
KPX T O -18
KPX T Oacute -18
KPX T Ocircumflex -18
KPX T Odieresis -18
KPX T Ograve -18
KPX T Ohungarumlaut -18
KPX T Omacron -18
KPX T Oslash -18
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KPX T a -92
KPX T aacute -92
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 6486
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 6490
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 6493
KPX odieresis v -15
KPX odieresis w -25
KPX odieresis x -10
KPX odieresis y -10
KPX odieresis yacute -10
KPX odieresis ydieresis -10
KPX ograve v -15
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KPX ograve yacute -10
KPX ograve ydieresis -10
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KPX ohungarumlaut w -25
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KPX ohungarumlaut yacute -10
KPX ohungarumlaut ydieresis -10
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KPX omacron w -25
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KPX omacron y -10
KPX omacron yacute -10
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KPX oslash yacute -10
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KPX otilde y -10
KPX otilde yacute -10
KPX otilde ydieresis -10
KPX period quotedblright -95
KPX period quoteright -95
KPX quotefield quotefield -74
KPX quoteright d -15
KPX quoteright dacroat -15
KPX quoteright quoteright -74
KPX quoteright r -15
KPX quoteright racute -15
KPX quoteright rcaron -15
KPX quoteright rcommaaccent -15
KPX quoteright s -74
KPX quoteright sacute -74
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283  6498
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283  6499
# from http://www.huyng.com/posts/sane-color-scheme-for-matplotlib/

```
patch.linewidth: 0.5
patch.facecolor: 348ABD # blue
patch.edgecolor: EEEEEE
patch.antialiased: True

font.size: 10.0

axes.facecolor: E5E5E5
axes.edgecolor: white
axes.linewidth: 1
axes.grid: True
axes.titlesize: x-large
axes.labelsize: large
axes.labelcolor: 555555
axes.axisbelow: True       # grid/ticks are below elements (e.g., lines, text)

axes.prop_cycle: cycler('color', ['E24A33', '348ABD', '988ED5', '777777', 'FBC15E', '8EBA42', 'FFB5B8'])
```

---

**Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 6501**
# FFB5B8 : pink

xtick.color: 555555
xtick.direction: out

ytick.color: 555555
ytick.direction: out

grid.color: white
grid.linestyle: -  # solid line

figure.facecolor: white
figure.edgecolor: 0.50
# Seaborn paper context
figure.figsize: 6.4, 4.4
axes.labelsize: 8.8
axes.titlesize: 9.6
xtick.labelsize: 8
ytick.labelsize: 8
legend.fontsize: 8

grid.linewidth: 0.8
lines.linewidth: 1.4
patch.linewidth: 0.24
lines.markersize: 5.6
lines.markeredgewidth: 0

xtick.major.width: 0.8
ytick.major.width: 0.8
xtick.minor.width: 0.4
ytick.minor.width: 0.4

xtick.major.pad: 5.6
ytick.major.pad: 5.6
StartFontMetrics 2.0
Comment Copyright (c) 1985, 1987, 1989, 1990 Adobe Systems Incorporated. All rights reserved.
Comment Creation Date: Thu Mar 15 08:58:00 1990
Comment UniqueID 28352
Comment VMusage 26389 33281
FontName Helvetica
FullName Helvetica
FamilyName Helvetica
Weight Medium
ItalicAngle 0
IsFixedPitch false
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UnderlinePosition -100
UnderlineThickness 50
KPX A y -40
KPX A w -40
KPX A v -40
KPX A u -30
KPX A Y -100
KPX A W -50
KPX A V -70
KPX A U -50
KPX A T -120
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KPX A O -30
KPX A G -30
KPX A C -30

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KPX B comma -20
KPX B U -10

KPX C period -30
KPX C comma -30

KPX D period -70
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KPX D Y -90
KPX D W -40
KPX D V -70
KPX D A -40

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KPX F period -150
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KPX F e -30
KPX F comma -150
KPX F a -50
KPX F A -80

KPX J u -20
KPX J period -30
KPX J comma -30
KPX J a -20
KPX J A -20

KPX K y -50
KPX K u -30
KPX K o -40
KPX K e -40
KPX K O -50
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#Author: Cameron Davidson-Pilon, original styles from Bayesian Methods for Hackers
# https://github.com/CamDavidsonPilon/Probabilistic-Programming-and-Bayesian-Methods-for-Hackers/

lines.linewidth : 2.0

patch.linewidth: 0.5
patch.facecolor: blue
patch.edgecolor: eeeeee
patch.antialiased: True

text.hinting_factor : 8

mathtext.fontset : cm

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axes.grid : True
axes.titlesize: x-large
axes.labelsize: large

grid.color: b2b2b2
grid.linestyle: --
grid.linewidth: 0.5
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283  6541
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 6557
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 6565
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 6568
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KPX T odieresis -92
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KPX kcommaaccent yacute -10
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KPX rcaron ccaron -37
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 6594
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 6595
KPX J A -20
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KPX L V -110
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KPX O T -40
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KPX R T -20
KPX R O -20

KPX T y -60
KPX T w -60
KPX T u -90
KPX T semicolon -40
KPX T r -80
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 6601
Comment found in jQuery source code:

/*! jQuery JavaScript Library v1.11.3

Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 6605

EndComposites
EndFontMetrics

* jQuery JavaScript Library v1.11.3
* http://jquery.com/

* Includes Sizzle.js
* http://sizzlejs.com/

* Copyright 2005, 2014 jQuery Foundation, Inc. and other contributors
* Released under the MIT license
* http://jquery.org/license

* Date: 2015-04-28T16:19Z
*/

Comment found in jQuery UI source code:

/*! jQuery UI - v1.11.4 - 2015-03-11
* http://jqueryui.com
* Includes: core.js, widget.js, mouse.js, position.js, accordion.js, autocomplete.js, button.js, datepicker.js, dialog.js, draggable.js, droppable.js, effect.js, effect-blind.js, effect-bounce.js, effect-clip.js, effect-drop.js, effect-explode.js, effect-fade.js, effect-fold.js, effect-highlight.js, effect-puff.js, effect-pulsate.js, effect-scale.js, effect-shake.js, effect-size.js, effect-slide.js, effect-transfer.js, menu.js, progressbar.js, resizable.js, selectable.js, selectmenu.js, slider.js, sortable.js, spinner.js, tabs.js, tooltip.js
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 6608
KPX O comma 0
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KPX P A -90

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KPX Q comma 0
KPX Q U -10

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KPX R T 0
KPX R O -40

KPX S period 0
KPX S comma 0

KPX T y -74
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KPX T u -55
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KPX T i -55
KPX T hyphen -74
KPX T h 0
KPX T e -92
KPX T comma -74
KPX T colon -55
KPX T a -92
KPX T O -18
KPX T A -50

KPX U period -25
KPX U comma -25
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The Python Imaging Library (PIL) is

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Font Metrics for the 14 PDF Core Fonts
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This directory contains font metrics for the 14 PDF Core Fonts, downloaded from Adobe. The title and this paragraph were added by Matplotlib developers. The download URL was

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Comment UniqueID 5000774
FontName CMEX10
EncodingScheme FontSpecific
FullName CMEX10
FamilyName Computer Modern
Weight Medium
ItalicAngle 0
IsFixedPitch false
Version 1.00
Notice Copyright (c) 1997 American Mathematical Society. All Rights Reserved.
Computer Modern fonts were designed by Donald E. Knuth
FontBoundingBox: -24 -2960 1454 772
XHeight: 430.556
Comment: CapHeight 0
Ascender: 750
Comment: Descender -1760
Descender: -2960
Comment: FontID CMEX
Comment: DesignSize 10 (pts)
Comment: CharacterCodingScheme TeX math extension
Comment: Space 0 0 0
Comment: ExtraSpace 0
Comment: Quad 1000
Comment: DefaultRuleThickness 40
Comment: BigOpSpacing 111.111 166.667 200 600 100
Comment: Ascendible characters (74)\% macro - PS charname
Comment: Ascending 0, 16, 18, 32, 48\% ( - parenleft
Comment: Ascending 1, 17, 19, 33, 49\% ) - parenright
Comment: Ascending 2, 104, 20, 34, 50\% [ - bracketleft
Comment: Ascending 3, 105, 21, 35, 51\% ] - bracketright
Comment: Ascending 4, 106, 22, 36, 52\% lfloor - floorleft
Comment: Ascending 5, 107, 23, 37, 53\% rfloor - floorright
Comment: Ascending 6, 108, 24, 38, 54\% lceil - ceilingleft
Comment: Ascending 7, 109, 25, 39, 55\% rceil - ceilingright
Comment: Ascending 8, 110, 26, 40, 56\% { - braceleft
Comment: Ascending 9, 111, 27, 41, 57\% } - braceright
Comment: Ascending 10, 68, 28, 42\% < - anglebracketleft
Comment: Ascending 11, 69, 29, 43\% > - anglebracketright
Comment: Ascending 14, 46, 30, 44\% / - slash
Comment: Ascending 15, 47, 31, 45\% \ - backslash
Comment: Ascending 70, 71\% bigcup - unionsq
Comment: Ascending 72, 73\% oint - contintegral
Comment: Ascending 74, 75\% bigodot - circledot
Comment: Ascending 76, 77\% bigoplus - circleplus
Comment: Ascending 78, 79\% bigotimes - circummultiply
Comment: Ascending 80, 81\% sum - summation
Comment: Ascending 81, 89\% prod - product
Comment: Ascending 82, 90\% int - integral
Comment: Ascending 83, 91\% bigcup - union
Comment: Ascending 84, 92\% bigcap - intersection
Comment: Ascending 85, 93\% bigplus - unionmulti
Comment: Ascending 86, 94\% bigwedge - logicaland
Comment: Ascending 87, 95\% bigvee - logicalor
Comment: Ascending 96, 97\% coprod - coproduct
Comment: Ascending 98, 99\% \%widehat - hatwide
Comment: Ascending 101, 102\% \%widetilde - tildewide
Comment: Ascending 112, 113, 114, 115, 116\% radical - sqrt
Comment: Extensible characters (28)
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KPX v comma -55

KPX w period -55
KPX w comma -55

KPX y period -37
KPX y comma -37
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CC agrave 2 ; PCC a 0 0 ; PCC grave 112 20 ;
CC aring 2 ; PCC a 0 0 ; PCC ring 0 0 ;
Open Source Used in DNAC Frost Platform Maglev 1.7.0 1.7.283 6646
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KPX C period -18
KPX C comma -18

KPX D period -25
KPX D comma -25

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CC iacute 2 ; PCC dotlessi 0 0 ; PCC acute 19 0 ;
CC icircumflex 2 ; PCC dotlessi 0 0 ; PCC circumflex 19 0 ;
The Anti-Grain Geometry Project
A high quality rendering engine for C++
http://antigrain.com

Anti-Grain Geometry - Version 2.4
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 6667
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283  6674
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 6675
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 6678
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 6709
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KPX Ydieresis udieresis -110
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KPX Oacute V -50
KPX Oacute W -50
KPX Oacute X -50
KPX Oacute Y -70
KPX Oacute Yacute -70
KPX Oacute Ydieresis -70
KPX Oacute comma -40
KPX Oacute period -40
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KPX Ocircumflex Aacute -50
KPX Ocircumflex Abreve -50
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KPX Ocircumflex Adieresis -50
KPX Ocircumflex Agrave -50
KPX Ocircumflex Amacron -50
KPX Ocircumflex Aogonek -50
KPX Ocircumflex Aring -50
KPX Ocircumflex Atilde -50
KPX Ocircumflex T -40
KPX Ocircumflex Tcaron -40
KPX Ocircumflex Tcommaaccent -40
KPX Ocircumflex V -50
KPX Ocircumflex W -50
KPX Ocircumflex X -50
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KPX Ocircumflex Yacute -70
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KPX Ocircumflex period -40
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KPX Odieresis Abreve -50
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KPX Odieresis Adieresis -50
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KPX Odieresis Atilde -50
KPX Odieresis T -40
KPX Odieresis Tcaron -40
KPX Odieresis Tcommaaccent -40
KPX Odieresis V -50
KPX Odieresis W -50
KPX Odieresis X -50
KPX Odieresis Y -70
KPX Odieresis Yacute -70
Open Source Used in DNAC Frost Platform Maglev 1.7.0 1.7.283 6771
Open Source Used in DNAC Frost Platform Maglev 1.7.0 1.7.283 6772
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 6778
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 6787
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 6791
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 6792
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AUTHOR

David H. Munro wrote Yorick and Gist. Berkeley Yacc (byacc) generated the Yorick parser. The routines in Math are from LAPACK and FFTPACK; MathC contains C translations by David H. Munro. The algorithms for Yorick's random number generator and several special functions in Yorick/include were taken from Numerical Recipes by Press, et. al., although the Yorick implementations are unrelated to those in Numerical Recipes. A small amount of code in Gist was adapted from the X11R4 release, copyright M.I.T. -- the complete copyright notice
may be found in the (unused) file Gist/host.c.
StartFontMetrics 2.0
Comment Copyright (c) 1985, 1987, 1989, 1990 Adobe Systems Incorporated. All rights reserved.
Comment Creation Date: Thu Mar 15 10:24:18 1990
Comment UniqueID 28362
Comment VMealage 7572 42473
FontName Helvetica-Oblique
FullName Helvetica Oblique
FamilyName Helvetica
Weight Medium
ItalicAngle -12
IsFixedPitch false
FontBBox -170 -225 1116 931
UnderlinePosition -100
UnderlineThickness 50
Version 001.006
Notice Copyright (c) 1985, 1987, 1989, 1990 Adobe Systems Incorporated. All rights reserved. Helvetica is a
trademark of Linotype AG and/or its subsidiaries.
EncodingScheme AdobeStandardEncoding
CapHeight 718
XHeight 523
Ascender 718
Descender -207
StartCharMetrics 228
C 32 ; WX 278 ; N space ; B 0 0 0 0 ;
C 33 ; WX 278 ; N exclam ; B 90 0 340 718 ;
C 34 ; WX 355 ; N quotedbl ; B 168 463 438 718 ;
C 35 ; WX 556 ; N numbersign ; B 73 0 631 688 ;
C 36 ; WX 556 ; N dollar ; B 69 -115 617 775 ;
C 37 ; WX 889 ; N percent ; B 147 -19 889 703 ;
C 38 ; WX 667 ; N ampersand ; B 77 -15 647 718 ;
C 39 ; WX 222 ; N quoteright ; B 151 431 475 718 ;
C 40 ; WX 333 ; N parenleft ; B 108 -207 454 733 ;
C 41 ; WX 333 ; N parenright ; B -9 -207 337 733 ;
C 42 ; WX 389 ; N asterisk ; B 165 431 475 718 ;
C 43 ; WX 584 ; N plus ; B 85 0 606 505 ;
C 44 ; WX 278 ; N comma ; B 56 -147 214 106 ;
C 45 ; WX 333 ; N hyphen ; B 93 232 357 322 ;
C 46 ; WX 278 ; N period ; B 87 0 214 106 ;
C 47 ; WX 278 ; N slash ; B -21 -19 452 737 ;
C 48 ; WX 556 ; N zero ; B 93 -19 608 703 ;
C 49 ; WX 556 ; N one ; B 207 0 508 703 ;
C 50 ; WX 556 ; N two ; B 26 0 617 703 ;
C 51 ; WX 556 ; N three ; B 75 -19 610 703 ;
C 52 ; WX 556 ; N four ; B 61 0 576 703 ;
C 53 ; WX 556 ; N five ; B 68 -19 621 688 ;
C 54 ; WX 556 ; N six ; B 91 -19 615 703 ;
C 55 ; WX 556 ; N seven ; B 137 0 669 688 ;
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283  6799
C -1 ; WX 667 ; N Agrave ; B 14 0 654 929 ;
C -1 ; WX 556 ; N odieresis ; B 83 -14 585 706 ;
C -1 ; WX 556 ; N oacute ; B 83 -14 587 734 ;
C -1 ; WX 400 ; N degree ; B 169 411 468 703 ;
C -1 ; WX 278 ; N igrave ; B 95 0 310 734 ;
C -1 ; WX 556 ; N mu ; B 24 -207 600 523 ;
C -1 ; WX 778 ; N Oacute ; B 105 -19 826 929 ;
C -1 ; WX 556 ; N eth ; B 81 -15 617 737 ;
C -1 ; WX 667 ; N Adieresis ; B 14 0 654 901 ;
C -1 ; WX 667 ; N Yacute ; B 167 0 806 929 ;
C -1 ; WX 260 ; N brokenbar ; B 90 -19 324 737 ;
C -1 ; WX 834 ; N onehalf ; B 114 -19 839 703 ;
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StartKernPairs 250

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KPX A w -40
KPX A v -40
KPX A u -30
KPX A Y -100
KPX A W -50
KPX A V -70
KPX A U -50
KPX A T -120
KPX A Q -30
KPX A O -30
KPX A G -30
KPX A C -30

KPX B period -20
KPX B comma -20
KPX B U -10

KPX C period -30
KPX C comma -30

KPX D period -70
KPX D comma -70
KPX D Y -90
KPX D W -40
KPX D V -70
KPX D A -40

KPX F r -45
KPX F period -150
KPX F o -30
KPX F e -30
KPX g r -10

KPX h y -30

KPX k o -20
KPX k e -20

KPX m y -15
KPX m u -10

KPX n y -15
KPX n v -20
KPX n u -10

KPX o y -30
KPX o x -30
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KPX o period -40
KPX o comma -40

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KPX v comma -80
KPX v a -25

KPX w period -60
KPX w o -10
KPX w e -10
KPX w comma -60
KPX w a -15

KPX x e -30

KPX y period -100
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KPX y e -20
KPX y comma -100
KPX y a -20

KPX z o -15
KPX z e -15
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CC Adieresis 2 ; PCC A 0 0 ; PCC dieresis 208 195 ;
CC Agrave 2 ; PCC A 0 0 ; PCC grave 208 195 ;
CC Aring 2 ; PCC A 0 0 ; PCC ring 204 175 ;
CC Atilde 2 ; PCC A 0 0 ; PCC tilde 208 195 ;
CC Ccedilla 2 ; PCC C 0 0 ; PCC cedilla 195 0 ;
CC Ecute 2 ; PCC E 0 0 ; PCC acute 208 195 ;
CC Ecircumflex 2 ; PCC E 0 0 ; PCC circumflex 208 195 ;
CC Edieresis 2 ; PCC E 0 0 ; PCC dieresis 208 195 ;
CC Egrave 2 ; PCC E 0 0 ; PCC grave 208 195 ;
CC Iacute 2 ; PCC I 0 0 ; PCC acute 14 195 ;
CC Icircumflex 2 ; PCC I 0 0 ; PCC circumflex 14 195 ;
CC Idieresis 2 ; PCC I 0 0 ; PCC dieresis 14 195 ;
CC Igrave 2 ; PCC I 0 0 ; PCC grave 14 195 ;
CC Ntilde 2 ; PCC N 0 0 ; PCC tilde 246 195 ;
CC Oacute 2 ; PCC O 0 0 ; PCC acute 264 195 ;
CC Ocircumflex 2 ; PCC O 0 0 ; PCC circumflex 264 195 ;
CC Odieresis 2 ; PCC O 0 0 ; PCC dieresis 264 195 ;
CC Ograve 2 ; PCC O 0 0 ; PCC grave 264 195 ;
CC Otilde 2 ; PCC O 0 0 ; PCC tilde 264 195 ;
CC Scaron 2 ; PCC S 0 0 ; PCC caron 208 195 ;
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 6813
EndCharMetrics
StartKernData
StartKernPairs 239

KPX A y -33
KPX A w -25
KPX A v -10
KPX A u -15
KPX A quotedright -95
KPX A quotedblright -95
KPX A Y -70
KPX A W -84
KPX A V -100
KPX A U -32
KPX A T 5
KPX A Q 5
KPX A O 5
KPX A G 5
KPX A C 5

KPX B period 15
KPX B comma 15
KPX B U 15
KPX B A -11

KPX C A -5

KPX D period -11
KPX D comma -11
KPX D Y 6
KPX D W -11
KPX D V -18

KPX F r -27
KPX F period -91
KPX F o -47
KPX F i -41
KPX F e -41
KPX F comma -91
KPX F a -47
KPX F A -79

KPX J u -39
KPX J period -74
KPX J o -40
KPX J e -33
KPX J comma -74
KPX J a -40
KPX J A -30
KPX K y -48
KPX K u -4
KPX K o -4
KPX K e 18
KPX L y -30
KPX L quotedright -100
KPX L quotedblright -100
KPX L Y -55
KPX L W -69
KPX L V -97
KPX L T -75
KPX N period -49
KPX N comma -49
KPX O period -18
KPX O comma -18
KPX O X -18
KPX O W -15
KPX O V -24
KPX O A -5
KPX P period -100
KPX P o -40
KPX P e -33
KPX P comma -100
KPX P a -40
KPX P A -80
KPX R W -14
KPX R V -24
KPX S period -18
KPX S comma -18
KPX T y -30
KPX T w -30
KPX T u -22
KPX T r -9
KPX T period -55
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KPX T i -22
KPX T hyphen -75
KPX T h -9
KPX T e -33
KPX T comma -55
KPX T a -40
KPX T O 11
KPX T A -60

KPX U period -25
KPX U comma -25
KPX U A -42

KPX V u -70
KPX V semicolon 6
KPX V period -94
KPX V o -71
KPX V i -35
KPX V hyphen -94
KPX V e -66
KPX V comma -94
KPX V colon -49
KPX V a -55
KPX V O -19
KPX V G -12
KPX V A -100

KPX W y -41
KPX W u -25
KPX W semicolon -22
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KPX W o -33
KPX W i -27
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KPX W e -39
KPX W comma -86
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KPX W a -33
KPX W O -11
KPX W A -66

KPX Y u -58
KPX Y semicolon -55
KPX Y period -91
KPX Y o -77
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KPX Y hyphen -91
KPX Y e -71
KPX Y comma -91
KPX Y colon -55
KPX Y a -77
KPX Y A -79
KPX a y -8
KPX a w -8
KPX a v 6
KPX b y -6
KPX b v 8
KPX b period 6
KPX b comma 6
KPX c y -20
KPX c period -8
KPX c l -13
KPX c k -8
KPX c h -18
KPX c comma -8
KPX colon space -18
KPX comma space -18
KPX comma quoteright -18
KPX comma quotedblright -18
KPX d y -15
KPX d w -15
KPX e y -15
KPX e x -5
KPX e w -15
KPX e p -11
KPX e g -4
KPX e b -8
KPX f quoteright 105
KPX f quotedblright 105
KPX f period -28
KPX f o 7
KPX f i 7
KPX f i 7
KPX f e 14
KPX f dotlessi 7
KPX f comma -28
KPX f a 8
KPX g y -11
KPX g r 11
KPX g period -5
KPX y a 8

KPX z e 4
EndKernPairs
EndKernData
StartComposites 56
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CC Acircumflex 2 ; PCC A 0 0 ; PCC circumflex 259 225 ;
CC Adieresis 2 ; PCC A 0 0 ; PCC dieresis 259 225 ;
CC Agrave 2 ; PCC A 0 0 ; PCC grave 259 225 ;
CC Aring 2 ; PCC A 0 0 ; PCC ring 229 245 ;
CC Atilde 2 ; PCC A 0 0 ; PCC tilde 259 225 ;
CC Eacute 2 ; PCC E 0 0 ; PCC acute 296 225 ;
CC Ecircumflex 2 ; PCC E 0 0 ; PCC circumflex 296 225 ;
CC Edieresis 2 ; PCC E 0 0 ; PCC dieresis 296 225 ;
CC Egrave 2 ; PCC E 0 0 ; PCC grave 296 225 ;
CC Iacute 2 ; PCC I 0 0 ; PCC acute 116 225 ;
CC Icircumflex 2 ; PCC I 0 0 ; PCC circumflex 116 225 ;
CC Idieresis 2 ; PCC I 0 0 ; PCC dieresis 116 225 ;
CC Igrave 2 ; PCC I 0 0 ; PCC grave 116 225 ;
CC Ntilde 2 ; PCC N 0 0 ; PCC tilde 326 225 ;
CC Oacute 2 ; PCC O 0 0 ; PCC acute 315 225 ;
CC Ocircumflex 2 ; PCC O 0 0 ; PCC circumflex 315 225 ;
CC Odieresis 2 ; PCC O 0 0 ; PCC dieresis 315 225 ;
CC Ograve 2 ; PCC O 0 0 ; PCC grave 315 225 ;
CC Otilde 2 ; PCC O 0 0 ; PCC tilde 315 225 ;
CC Scaron 2 ; PCC S 0 0 ; PCC caron 206 225 ;
CC Uacute 2 ; PCC U 0 0 ; PCC acute 340 225 ;
CC Ucircumflex 2 ; PCC U 0 0 ; PCC circumflex 340 225 ;
CC Udieresis 2 ; PCC U 0 0 ; PCC dieresis 340 225 ;
CC Ugrave 2 ; PCC U 0 0 ; PCC grave 340 225 ;
CC Yacute 2 ; PCC Y 0 0 ; PCC acute 246 225 ;
CC Ydieresis 2 ; PCC Y 0 0 ; PCC dieresis 236 225 ;
CC Zcaron 2 ; PCC Z 0 0 ; PCC caron 226 225 ;
CC aacute 2 ; PCC a 0 0 ; PCC acute 167 0 ;
CC acircumflex 2 ; PCC a 0 0 ; PCC circumflex 167 0 ;
CC adieresis 2 ; PCC a 0 0 ; PCC dieresis 167 0 ;
CC agrave 2 ; PCC a 0 0 ; PCC grave 167 0 ;
CC aring 2 ; PCC a 0 0 ; PCC ring 167 0 ;
CC atilde 2 ; PCC a 0 0 ; PCC tilde 167 0 ;
CC eacute 2 ; PCC e 0 0 ; PCC acute 93 0 ;
CC ecircumflex 2 ; PCC e 0 0 ; PCC circumflex 93 0 ;
CC edieresis 2 ; PCC e 0 0 ; PCC dieresis 93 0 ;
CC egrave 2 ; PCC e 0 0 ; PCC grave 93 0 ;
CC iaute 2 ; PCC dotlessi 0 0 ; PCC acute -2 -7 ;
CC icircumflex 2 ; PCC dotlessi 0 0 ; PCC circumflex -2 -7 ;
CC idieresis 2 ; PCC dotlessi 0 0 ; PCC dieresis -2 -7 ;
CC grave 2 ; PCC dotlessi 0 0 ; PCC grave -2 -7 ;
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# Set black background default line colors to white.

lines.color: white
dpatch.edgecolor: white
text.color: white

axes.facecolor: black
axes.edgecolor: white
axes.labelcolor: white
axes.prop_cycle: cycler('color', ['8dd3c7', 'feffb3', 'bfbbd9', 'fa8174', '81b1d2', 'fdb462', 'b3de69', 'bc82bd', 'ccebc4', 'ffed6f'])

xtick.color: white
ytick.color: white

grid.color: white

figure.facecolor: black
figure.edgecolor: black

savefig.facecolor: black
savefig.edgecolor: black

# Solarized color palette taken from http://ethanschoonover.com/solarized
# Inspired by, and copied from ggthemes https://github.com/jrnold/ggthemes
#TODO:
# 1. Padding to title from face
# 2. Remove top & right ticks
# 3. Give Title a Magenta Color(?)

#base00 = #657b83
#base01 = #93a1a1
#base2 = #eee8d5
#base3 = #fdf6e3
#base01 = #586e75
#Magenta = #d33682
#Blue = #268bd2
#cyan = #2aa198
#violet = #6c71c4
#green = #859900
#orange = #cb4b16

figure.facecolor : FDF6E3
patch.antialiased : True
lines.linewidth : 2.0
lines.solid_capstyle: butt

axes.titlesize : 16
axes.labelsize : 12
axes.labelcolor : 657b83
axes.facecolor : eee8d5
axes.edgecolor : eee8d5
axes.axisbelow : True
axes.prop_cycle : cycler('color', ['268BD2', '2AA198', '859900', 'B58900', 'CB4B16', 'DC322F', 'D33682', '6C71C4'])
# Blue
# Cyan
# Green
# Yellow
# Orange
# Red
# Magenta
# Violet
axes.grid : True
grid.color : fdf6e3 # grid color
grid.linestyle : - # line
grid.linewidth : 1 # in points

### TICKS
xtick.color : 657b83
xtick.direction : out
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==========

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FullName Times Roman
FamilyName Times
Weight Roman
ItalicAngle 0
IsFixedPitch false
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UnderlineThickness 50
Version 001.007

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Descender -217
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KPX f comma 0
KPX f a -10

KPX g y 0
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<td>KPX S t -24</td>
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 6928
# Seaborn colorblind palette

```python
axes.prop_cycle: cycler('color', ['0072B2', '009E73', 'D55E00', 'CC79A7', 'F0E442', '56B4E9'])
```

## patch

```python
patch.facecolor: 0072B2
```

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Version 1.1

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# Seaborn common parameters
# .15 = dark_gray
# .8 = light_gray

figure.facecolor: white
text.color: .15
axes.labelcolor: .15
legend.frameon: False
legend.numpoints: 1
legend.scatterpoints: 1
xtick.direction: out
ytick.direction: out
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283

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65.##%)

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# Seaborn deep palette

```python
axes.prop_cycle: cycler('color', ['4C72B0', '55A868', 'C44E52', '8172B2', 'CCB974', '64B5CD'])
patch.facecolor: 4C72B0
```

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FullName Times Roman

FamilyName Times

Weight Roman

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IsFixedPitch false

CharacterSet ExtendedRoman

FontBBox -168 -218 1000 898

UnderlinePosition -100

UnderlineThickness 50

Version 002.000


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EncodingScheme AdobeStandardEncoding

CapHeight 662

XHeight 450

Ascender 683

Descender -217

StdHW 28

StdVW 84

StartCharMetrics 315

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C 36 ; WX 500 ; N dollar ; B 44 -87 457 727 ;
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C 38 ; WX 778 ; N ampersand ; B 42 -13 750 676 ;
C 39 ; WX 333 ; N right quotation mark ; B 79 433 218 676 ;
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C 48 ; WX 500 ; N zero ; B 24 -14 476 676 ;
C 49 ; WX 500 ; N one ; B 111 0 394 676 ;
C 50 ; WX 500 ; N two ; B 30 0 475 676 ;
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 6960
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 6987
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 8985
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 6896
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C.B. Barber
Arlington, MA

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# Seaborn talk context

figure.figsize: 10.4, 7.15
axes.labelsize: 14.3
axes.titlesize: 15.6
xtick.labelsize: 13
ytick.labelsize: 13
legend.fontsize: 13
grid.linewidth: 1.3
lines.linewidth: 2.275
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lines.markeredgewidth: 0

xtick.major.width: 1.3
ytick.major.width: 1.3
xtick.minor.width: 0.65
ytick.minor.width: 0.65

xtick.major.pad: 9.1
ytick.major.pad: 9.1

# Seaborn common parameters

#.15 = dark_gray
#.8 = light_gray
figure.facecolor: white
text.color: .15
axes.labelcolor: .15
legend.frameon: False
legend.numpoints: 1
legend.scatterpoints: 1
xtick.direction: out
ytick.direction: out
xtick.color: .15
ytick.color: .15
axes.axisbelow: True
image.cmap: Greys
font.family: sans-serif
font.sans-serif: Arial, Liberation Sans, DejaVu Sans, Bitstream Vera Sans, sans-serif
grid.linestyle: -
lines.solid_capstyle: round

# Seaborn white parameters
axes.grid: False
axes.facecolor: white
axes.edgecolor: .15
axes.linewidth: 1.25
grid.color: .8
xtick.major.size: 0
xtick.minor.size: 0
ytick.major.size: 0
ytick.minor.size: 0

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$Id: LICENSE 2133 2007-11-28 02:46:28Z lechimp $
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Comment VMusage 14960 69346
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UnderlineThickness 50
Version 002.000
EncodingScheme AdobeStandardEncoding
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XHeight 523
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</table>
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7089
# Set all colors to grayscale
# Note: strings of float values are interpreted by matplotlib as gray values.

dc

text.color: black
axes.facecolor: white
axes.edgecolor: black
axes.labelcolor: black
axes.prop_cycle: cycler('color', ['0.00', '0.40', '0.60', '0.70'])

xtick.color: black
ytick.color: black

grid.color: black

figure.facecolor: 0.75
figure.edgecolor: white

image.cmap: gray

savefig.facecolor: white
savefig.edgecolor: white

Comment Creation Date: Thu Jun 21 22:23:22 1990
Comment UniqueID 5000785
FontName CMMI10
EncodingScheme FontSpecific
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7093
Comment The following are bogus kern pairs for TeX positioning of accents

StartKernData

StartKernPairs 166

KPX Gamma slash -55.556
KPX Gamma comma -111.111
KPX Gamma period -111.111
KPX Gamma tie 83.333
KPX Delta tie 166.667
KPX Theta tie 83.333
KPX Lambda tie 166.667
KPX Xi tie 83.333
KPX Pi slash -55.556
KPX Pi comma -55.556
KPX Pi period -55.556
KPX Pi tie 55.556
KPX Sigma tie 83.333
KPX Upsilon slash -55.556
KPX Upsilon comma -111.111
KPX Upsilon period -111.111
KPX Upsilon tie 55.556
KPX Phi tie 83.333
KPX Psi slash -55.556
KPX Psi comma -55.556
KPX Psi period -55.556
KPX Psi tie 55.556
KPX Omega tie 83.333
KPX alpha tie 27.778
KPX beta tie 83.333
KPX delta comma -55.556
KPX delta period -55.556
KPX delta tie 55.556
KPX epsilon1 tie 55.556
KPX zeta tie 83.333
KPX eta tie 55.556
KPX theta tie 83.333
KPX iota tie 55.556
KPX mu tie 27.778
KPX nu comma -55.556
KPX nu period -55.556
KPX nu tie 27.778
KPX xi tie 111.111
KPX rho tie 83.333
KPX sigma comma -55.556
KPX sigma period -55.556
KPX tau comma -55.556
KPX tau period -55.556
KPX tau tie 27.778
KPX upsilon tie 27.778
KPX phi tie 83.333
KPX chi tie 55.556
KPX psi tie 111.111
KPX epsilon tie 83.333
KPX thetal tie 83.333
KPX rhol tie 83.333
KPX sigma1 tie 83.333
KPX phl tie 83.333
KPX slash Delta -55.556
KPX slash A -55.556
KPX slash M -55.556
KPX slash N -55.556
KPX slash Y 55.556
KPX slash Z -55.556
KPX partialdiff tie 83.333
KPX A tie 138.889
KPX B tie 83.333
KPX C slash -27.778
KPX C comma -55.556
KPX C period -55.556
KPX C tie 83.333
KPX D tie 55.556
KPX E tie 83.333
KPX F slash -55.556
KPX F comma -111.111
KPX F period -111.111
KPX F tie 83.333
KPX G tie 83.333
KPX H slash -55.556
KPX H comma -55.556
KPX H period -55.556
KPX H tie 55.556
KPX I tie 111.111
KPX J slash -55.556
KPX J comma -111.111
KPX J period -111.111
KPX J tie 166.667
KPX K slash -55.556
KPX K comma -55.556
KPX K period -55.556
KPX K tie 55.556
KPX L tie 27.778
KPX M slash -55.556
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StartFontMetrics 2.0
Comment Copyright (c) 1989, 1991 Adobe Systems Incorporated. All Rights Reserved.
Comment Creation Date: Fri Jan 17 13:15:45 1992
Comment UniqueID 37666
Comment VMusage 34143 41035
FontName Utopia-Italic
FullName Utopia Italic
FamilyName Utopia
Weight Regular
ItalicAngle -13
IsFixedPitch false
FontBBox -201 -250 1170 890
UnderlinePosition -100
UnderlineThickness 50
Version 001.002
Notice Copyright (c) 1989, 1991 Adobe Systems Incorporated. All Rights Reserved. Utopia is a registered trademark of Adobe Systems Incorporated.
EncodingScheme AdobeStandardEncoding
CapHeight 692
XHeight 502
Ascender 742
Descender -242
StartCharMetrics 228
C 32 ; WX 225 ; N space ; B 0 0 0 0 ;
C 33 ; WX 240 ; N exclam ; B 34 -12 290 707 ;
C 34 ; WX 402 ; N quotedbl ; B 171 469 454 742 ;
C 35 ; WX 530 ; N numbersign ; B 54 0 585 668 ;
C 36 ; WX 530 ; N dollar ; B 31 -109 551 743 ;
C 37 ; WX 826 ; N percent ; B 98 -25 795 702 ;
C 38 ; WX 725 ; N ampersand ; B 60 -12 703 680 ;
C 39 ; WX 216 ; N quoteright ; B 112 482 265 742 ;
C 40 ; WX 350 ; N parenleft ; B 106 -128 458 692 ;
C 41 ; WX 350 ; N parenright ; B -46 -128 306 692 ;
C 42 ; WX 412 ; N asterisk ; B 106 356 458 707 ;
C 43 ; WX 570 ; N plus ; B 58 0 542 490 ;
C 44 ; WX 265 ; N comma ; B 11 -134 173 142 ;
C 45 ; WX 392 ; N hyphen ; B 82 216 341 286 ;
C 46 ; WX 265 ; N period ; B 47 -12 169 113 ;
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7100
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7102
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7103
KPX A X -8
KPX A W -80
KPX A V -90
KPX A U -60
KPX A T -72
KPX A Q -30
KPX A O -30
KPX A G -30
KPX A C -30

KPX B y -6
KPX B u -20
KPX B r -15
KPX B quoteright -40
KPX B quotedblright -30
KPX B o 6
KPX B l -20
KPX B k -15
KPX B i -12
KPX B h -15
KPX B e 6
KPX B a 12
KPX B W -20
KPX B V -50
KPX B U -50
KPX B T -20

KPX C z -6
KPX C y -18
KPX C u -18
KPX C quotedblright 20
KPX C i -5
KPX C e -6
KPX C a -6

KPX D y 18
KPX D u -10
KPX D quoteright -40
KPX D quotedblright -50
KPX D period -30
KPX D o 6
KPX D i 6
KPX D h -25
KPX D e 6
KPX D comma -20
KPX D a 6
KPX D Y -70
KPX D W -50
KPX T C -12
KPX T A -56

KPX U z -30
KPX U x -40
KPX U t -24
KPX U s -30
KPX U r -30
KPX U quoteright 10
KPX U quotedblright 10
KPX U p -40
KPX U n -45
KPX U m -45
KPX U l -12
KPX U k -12
KPX U i -24
KPX U h -6
KPX U g -30
KPX U d -40
KPX U c -35
KPX U b -6
KPX U a -40
KPX U A -45

KPX V y -46
KPX V u -42
KPX V semicolon -35
KPX V r -50
KPX V quoteright 75
KPX V quotedblright 70
KPX V period -130
KPX V parenright 64
KPX V o -62
KPX V i -10
KPX V hyphen -60
KPX V endash -20
KPX V emdash -20
KPX V e -52
KPX V comma -120
KPX V colon -18
KPX V bracketright 64
KPX V braceright 64
KPX V a -60
KPX V T 6
KPX V A -70

KPX W y -42
KPX W u -56
Comment The following are bogus kern pairs for TeX positioning of accents

StartKernData
StartKernPairs 26
KPX A prime 194.444
KPX B prime 138.889
KPX C prime 138.889
KPX D prime 83.333
KPX E prime 111.111
KPX F prime 111.111
KPX G prime 111.111
KPX H prime 111.111
KPX I prime 27.778
KPX J prime 166.667
KPX K prime 55.556
KPX L prime 138.889
KPX M prime 138.889
KPX N prime 83.333
KPX O prime 111.111

EndCharMetrics
Module creating PyQt4 form dialogs/layouts to edit various type of parameters

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---

# a small set of changes that will make your plotting FAST (1).
#
# (1) in some cases

# Maximally simplify lines.
path.simplify: True
path.simplify_threshold: 1.0

# chunk up large lines into smaller lines!
# simple trick to avoid those pesky O(n^2) algorithms!
agg.path.chunksize: 10000

### Classic matplotlib plotting style as of v1.5

### LINES
# See http://matplotlib.org/api/artist_api.html#module-matplotlib.lines for more
# information on line properties.
lines.linewidth : 1.0 # line width in points
lines.linestyle : -   # solid line
lines.color      : b   # has no affect on plot(); see axes.prop_cycle
lines.marker     : None # the default marker
lines.markeredgewidth  : 0.5 # the line width around the marker symbol
lines.markersize : 6   # markersize, in points
lines.dash_joinstyle : round # miter|round|bevel
lines.dash_capstyle : butt  # butt|round|projecting
lines.solid_joinstyle : round # miter|round|bevel
lines.solid_capstyle : projecting # butt|round|projecting
lines.antialiased : True  # render lines in antialiased (no jaggies)
lines.dashed_pattern : 6, 6
lines.dashdot_pattern : 3, 5, 1, 5
lines.dotted_pattern : 1, 3
lines.scale_dashes: False

### Marker props
markers.fillstyle: full

### PATCHES
# Patches are graphical objects that fill 2D space, like polygons or
# circles. See
# http://matplotlib.org/api/artist_api.html#module-matplotlib.patches
# information on patch properties
patch.linewidth : 1.0  # edge width in points
patch.facecolor : b
patch.force_edgecolor : True
patch.edgecolor : k
patch.antialiased : True  # render patches in antialiased (no jaggies)

hatch.color : k
hatch.linewidth : 1.0

hist.bins : 10

### FONT

# font properties used by text.Text. See
# http://matplotlib.org/api/font_manager_api.html for more
# information on font properties. The 6 font properties used for font
# matching are given below with their default values.
#
# The font.family property has five values: 'serif' (e.g., Times),
# 'sans-serif' (e.g., Helvetica), 'cursive' (e.g., Zapf-Chancery),
# 'fantasy' (e.g., Western), and 'monospace' (e.g., Courier). Each of
# these font families has a default list of font names in decreasing
# order of priority associated with them. When text.usetex is False,
# font.family may also be one or more concrete font names.
#
# The font.style property has three values: normal (or roman), italic
# or oblique. The oblique style will be used for italic, if it is not
# present.
#
# The font.variant property has two values: normal or small-caps. For
# TrueType fonts, which are scalable fonts, small-caps is equivalent
# to using a font size of ’smaller’, or about 83% of the current font
# size.
#
# The font.weight property has effectively 13 values: normal, bold,
# bolder, lighter, 100, 200, 300, ..., 900. Normal is the same as
# 400, and bold is 700. bolder and lighter are relative values with
# respect to the current weight.
#
# The font.stretch property has 11 values: ultra-condensed,
# extra-condensed, condensed, semi-condensed, normal, semi-expanded,
# expanded, extra-expanded, ultra-expanded, wider, and narrower. This
# property is not currently implemented.
#
# The font.size property is the default font size for text, given in pts.
# 12pt is the standard value.
#
font.family : sans-serif
font.style : normal
font.variant : normal
font.weight : normal
font.stretch : normal

# note that font.size controls default text sizes. To configure
# special text sizes tick labels, axes, labels, title, etc, see the rc
# settings for axes and ticks. Special text sizes can be defined
# relative to font.size, using the following values: xx-small, x-small,
# small, medium, large, x-large, xx-large, larger, or smaller
font.size : 12.0
font.serif : DejaVu Serif, New Century Schoolbook, Century Schoolbook L, Utopia, ITC Bookman, Bookman,
Nimbus Roman No9 L, Times New Roman, Times, Palatino, Charter, serif
font.sans-serif: DejaVu Sans, Lucida Grande, Verdana, Geneva, Lucid, Arial, Helvetica, Avant Garde, sans-serif
font.cursive : Apple Chancery, Textile, Zapf Chancery, Sand, Script MT, Felipa, cursive
font.fantasy : Comic Sans MS, Chicago, Charcoal, ImpactWestern, Humor Sans, fantasy
font.monospace : DejaVu Sans Mono, Andale Mono, Nimbus Mono L, Courier New, Courier, Fixed, Terminal,
monospace

### TEXT
# text properties used by text.Text. See
# http://matplotlib.org/api/artist_api.html#module-matplotlib.text for more
# information on text properties

text.color : k

### LaTeX customizations. See http://www.scipy.org/Wiki/Cookbook/Matplotlib/UsingTex
text.usetex : False # use latex for all text handling. The following fonts
# are supported through the usual rc parameter settings:
# new century schoolbook, bookman, times, palatino,
# zapf chancery, charter, serif, sans-serif, helvetica,
# avant garde, courier, monospace, computer modern roman,
# computer modern sans serif, computer modern typewriter
# If another font is desired which can loaded using the
# LaTeX \usepackage command, please inquire at the
# matplotlib mailing list
text.latex.unicode : False # use "ucs" and "inputenc" LaTeX packages for handling
# unicode strings.
text.latex.preamble : # IMPROPER USE OF THIS FEATURE WILL LEAD TO LATEX FAILURES
# AND IS THEREFORE UNSUPPORTED. PLEASE DO NOT ASK FOR HELP
# IF THIS FEATURE DOES NOT DO WHAT YOU EXPECT IT TO.
# preamble is a comma separated list of LaTeX statements
# that are included in the LaTeX document preamble.
# An example:
# text.latex.preamble : \usepackage{bm},\usepackage{euler}
# The following packages are always loaded with useTeX, so
# beware of package collisions: color, geometry, graphicx,
# type1cm, textcomp. Adobe Postscript (PSSNFS) font packages
# may also be loaded, depending on your font settings
text.latex.preview : False

text.hinting : auto  # May be one of the following:
    # 'none': Perform no hinting
    # 'auto': Use freetype's autohinter
    # 'native': Use the hinting information in the
    #     font file, if available, and if your
    #     freetype library supports it
    # 'either': Use the native hinting information,
    #     or the autohinter if none is available.
    # For backward compatibility, this value may also be
    # True ==> 'auto' or False ==> 'none'.
text.hinting_factor : 8 # Specifies the amount of softness for hinting in the
    # horizontal direction. A value of 1 will hint to full
    # pixels. A value of 2 will hint to half pixels etc.

text.antialiased : True  # If True (default), the text will be antialiased.
    # This only affects the Agg backend.

# The following settings allow you to select the fonts in math mode.
# They map from a TeX font name to a fontconfig font pattern.
# These settings are only used if mathtext.fontset is 'custom'.
# Note that this "custom" mode is unsupported and may go away in the
# future.
mathtext.cal : cursive
mathtext.rm : serif
mathtext.tt : monospace
mathtext.it : serif:italic
mathtext.bf : serif:bold
mathtext.sf : sans\-serif
mathtext.fontset : cm # Should be 'cm' (Computer Modern), 'stix',
    # 'stixsans' or 'custom'
mathtext.fallback_to_cm : True  # When True, use symbols from the Computer Modern
    # fonts when a symbol can not be found in one of
    # the custom math fonts.

mathtext.default : it # The default font to use for math.
    # Can be any of the LaTeX font names, including
    # the special name "regular" for the same font
    # used in regular text.

### AXES
# default face and edge color, default tick sizes,
# default fontsizes for ticklabels, and so on. See
# http://matplotlib.org/api/axes_api.html#module-matplotlib.axes
axes.facecolor : w  # axes background color
axes.edgecolor : k  # axes edge color
axes.linewidth : 1.0  # edge linewidth
axes.grid : False  # display grid or not
axes.grid.which : major
axes.grid.axis : both
axes.titlesize : large  # fontsize of the axes title
axes.titlepad : 5.0  # pad between axes and title in points
axes.titleweight : normal  # font weight for axes title
axes.labelsize : medium  # fontsize of the x any y labels
axes.labelpad : 5.0  # space between label and axis
axes.labelweight : normal  # weight of the x and y labels
axes.labelcolor : k
axes.axisbelow : False  # whether axis gridlines and ticks are below
# the axes elements (lines, text, etc)

axes.formatter.limits : -7, 7  # use scientific notation if log10
# of the axis range is smaller than the
# first or larger than the second
axes.formatter.use_locale : False  # When True, format tick labels
# according to the user's locale.
# For example, use '.' as a decimal
# separator in the fr_FR locale.
axes.formatter.use_mathtext : False  # When True, use mathtext for scientific
# notation.
axes.formatter.useoffset : True  # If True, the tick label formatter
# will default to labeling ticks relative
# to an offset when the data range is very
# small compared to the minimum absolute
# value of the data.
axes.formatter.offset_threshold : 2  # When useoffset is True, the offset
# will be used when it can remove
# at least this number of significant
# digits from tick labels.

axes.unicode_minus : True  # use unicode for the minus symbol
# rather than hyphen. See
# http://en.wikipedia.org/wiki/Plus_and_minus_signs#Character_codes
axes.prop_cycle : cycler('color', 'bgrcmyk')
# color cycle for plot lines
# as list of string colorspecs:
# single letter, long name, or
# web-style hex
axes.autolimit_mode : round_numbers
axes.xmargin : 0  # x margin. See `axes.Axes.margins`
axes.ymargin : 0  # y margin See `axes.Axes.margins`
axes.spines.bottom : True
axes.spines.left : True
axes.spines.right : True
axes.spines.top : True
polaraxes.grid : True  # display grid on polar axes

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axes3d.grid : True  # display grid on 3d axes

date.autoformatter.year : %Y
date.autoformatter.month : %b %Y
date.autoformatter.day : %b %d %Y
date.autoformatter.hour : %H:%M:%S
date.autoformatter.minute : %H:%M:%S.%f
date.autoformatter.second : %H:%M:%S.%f
date.autoformatter.microsecond : %H:%M:%S.%f

### TICKS
# see http://matplotlib.org/api/axis_api.html#matplotlib.axis.Tick

xtick.top : True  # draw ticks on the top side
xtick.bottom : True  # draw ticks on the bottom side
xtick.major.size : 4  # major tick size in points
xtick.minor.size : 2  # minor tick size in points
xtick.major.pad : 4  # distance to major tick label in points
xtick.minor.pad : 4  # distance to the minor tick label in points
xtick.color : k  # color of the tick labels
xtick.labelsize : medium  # fontsize of the tick labels
xtick.direction : in  # direction: in, out, or inout
xtick.major.top : True  # draw x axis top major ticks
xtick.major.bottom : True  # draw x axis bottom major ticks
xtick.minor.top : True  # draw x axis top minor ticks
xtick.minor.bottom : True  # draw x axis bottom minor ticks

ytick.left : True  # draw ticks on the left side
ytick.right : True  # draw ticks on the right side
ytick.major.size : 4  # major tick size in points
ytick.minor.size : 2  # minor tick size in points
ytick.major.pad : 4  # distance to major tick label in points
ytick.minor.pad : 4  # distance to the minor tick label in points
ytick.color : k  # color of the tick labels
ytick.labelsize : medium  # fontsize of the tick labels
ytick.direction : in  # direction: in, out, or inout
ytick.major.left : True  # draw y axis left major ticks
ytick.major.right : True  # draw y axis right major ticks
ytick.minor.left : True  # draw y axis left minor ticks
ytick.minor.right : True  # draw y axis right minor ticks

### GRIDS
grid.color       : k    # grid color
grid.linestyle   : :    # dotted
grid.linewidth   : 0.5  # in points
grid.alpha       : 1.0  # transparency, between 0.0 and 1.0

### Legend
legend.fancybox      : False  # if True, use a rounded box for the
# legend, else a rectangle
legend.loc           : upper right
legend.numpoints     : 2    # the number of points in the legend line
legend.fontsize      : large
legend.borderpad     : 0.4   # border whitespace in fontsize units
legend.markerscale   : 1.0   # the relative size of legend markers vs. original
# the following dimensions are in axes coords
legend.labelsizing   : 0.5   # the vertical space between the legend entries in fraction of fontsize
legend.handlelength  : 2.    # the length of the legend lines in fraction of fontsize
legend.handleheight  : 0.7   # the height of the legend handle in fraction of fontsize
legend.handletextpad : 0.8   # the space between the legend line and legend text in fraction of fontsize
legend.borderaxespad : 0.5   # the border between the axes and legend edge in fraction of fontsize
legend.columnspacing : 2.    # the border between the axes and legend edge in fraction of fontsize
legend.shadow        : False
legend.frameon       : True   # whether or not to draw a frame around legend
legend.framealpha    : None   # opacity of legend frame
legend.scatterpoints : 3 # number of scatter points
legend.facecolor     : inherit # legend background color (when 'inherit' uses axes.facecolor)
legend.edgecolor     : inherit # legend edge color (when 'inherit' uses axes.edgecolor)

### FIGURE
# See http://matplotlib.org/api/figure_api.html#matplotlib.figure.Figure
figure.titlesize    : medium  # size of the figure title
figure.titleweight  : normal  # weight of the figure title
figure.figsize      : 8, 6    # figure size in inches
figure.dpi          : 80      # figure dots per inch
figure.facecolor     : 0.75    # figure facecolor; 0.75 is scalar gray
figure.edgecolor    : w       # figure edgecolor
figure.autolayout : False  # When True, automatically adjust subplot
# parameters to make the plot fit the figure
figure.frameon : True

# The figure subplot parameters.  All dimensions are a fraction of the
# figure width or height
figure.subplot.left  : 0.125  # the left side of the subplots of the figure
figure.subplot.right : 0.9    # the right side of the subplots of the figure
figure.subplot.bottom: 0.1   # the bottom of the subplots of the figure
figure.subplot.top   : 0.9    # the top of the subplots of the figure
figure.subplot.wspace : 0.2   # the amount of width reserved for blank space between subplots,
# expressed as a fraction of the average axis width
figure.subplot.hspace : 0.2  # the amount of height reserved for white space between subplots,
                           # expressed as a fraction of the average axis height

### IMAGES
image.aspect : equal      # equal | auto | a number
image.interpolation : bilinear # see help(imshow) for options
image.cmap : jet          # gray | jet etc...
image.lut : 256            # the size of the colormap lookup table
image.origin : upper       # lower | upper
image.resample : False
image.composite_image : True

### CONTOUR PLOTS
contour.negative_linestyle : dashed # dashed | solid
contour.corner_mask : True

# errorbar props
errorbar.capsize: 3

# scatter props
scatter.marker: o

### Boxplots
boxplot.bootstrap: None
boxplot.boxprops.color: b
boxplot.boxprops.linestyle: -
boxplot.boxprops.linewidth: 1.0
boxplot.capprops.color: k
boxplot.capprops.linestyle: -
boxplot.capprops.linewidth: 1.0
boxplot.flierprops.color: b
boxplot.flierprops.linestyle: none
boxplot.flierprops.linewidth: 1.0
boxplot.flierprops.marker: +
boxplot.flierprops.markeredgecolor: k
boxplot.flierprops.markercolor: auto
boxplot.flierprops.markersize: 6.0
boxplot.meanline: False
boxplot.meanprops.color: r
boxplot.meanprops.linestyle: -
boxplot.meanprops.linewidth: 1.0
boxplot.medianprops.color: r
boxplot.medianprops.marker: s
boxplot.medianprops.markeredgecolor: r
boxplot.medianprops.markercolor: k
boxplot.medianprops.markersize: 6.0
boxplot.medianprops.linestyle: -
boxplot.medianprops.linewidth: 1.0
boxplot.notch: False
boxplot.patchartist: False
boxplot.showbox: True
boxplot.showcaps: True
boxplot.showfliers: True
boxplot.showmeans: False
boxplot.vertical: True
boxplot.whiskerprops.color: b
boxplot.whiskerprops.linestyle: --
boxplot.whiskerprops.linewidth: 1.0
boxplot.whiskers: 1.5

### Agg rendering
### Warning: experimental, 2008/10/10
agg.path.chunksize : 0           # 0 to disable; values in the range
    # 10000 to 100000 can improve speed slightly
    # and prevent an Agg rendering failure
    # when plotting very large data sets,
    # especially if they are very gappy.
    # It may cause minor artifacts, though.
    # A value of 20000 is probably a good
    # starting point.

### SAVING FIGURES
path.simplify : True   # When True, simplify paths by removing "invisible"
    # points to reduce file size and increase rendering
    # speed
path.simplify_threshold : 0.1111111111111111
    # The threshold of similarity below which
    # vertices will be removed in the simplification
    # process
path.snap : True # When True, rectilinear axis-aligned paths will be snapped to
    # the nearest pixel when certain criteria are met. When False,
    # paths will never be snapped.
path.sketch : None # May be none, or a 3-tuple of the form (scale, length,
    # randomness).
    # *scale* is the amplitude of the wiggle
    # perpendicular to the line (in pixels). *length*
    # is the length of the wiggle along the line (in
    # pixels). *randomness* is the factor by which
    # the length is randomly scaled.

# the default savefig params can be different from the display params
# e.g., you may want a higher resolution, or to make the figure
# background white
savefig.dpi         : 100      # figure dots per inch
savefig.facecolor   : w        # figure facecolor when saving
savefig.edgecolor   : w        # figure edgecolor when saving
savefig.format : png  # png, ps, pdf, svg
savefig.bbox : standard  # 'tight' or 'standard'.
    # 'tight' is incompatible with pipe-based animation
    # backends but will work with temporary file based ones:
    # e.g. setting animation.writer to ffmpeg will not work,
    # use ffmpeg_file instead
savefig.pad_inches : 0.1  # Padding to be used when bbox is set to 'tight'
savefig.jpeg_quality : 95  # when a jpeg is saved, the default quality parameter.
savefig.transparent : False  # setting that controls whether figures are saved with a
    # transparent background by default
savefig.frameon : True
savefig.orientation : portrait

nbagg.transparent: True

# ps backend params
ps.papersize : letter  # auto, letter, legal, ledger, A0-A10, B0-B10
ps.useafm : False  # use of afm fonts, results in small files
ps.usedistiller : False  # can be: None, ghostscript or xpdf
    # Experimental: may produce smaller files.
    # xpdf intended for production of publication quality files,
    # but requires ghostscript, xpdf and ps2eps
ps.distiller.res : 6000  # dpi
ps.fonttype : 3  # Output Type 3 (Type3) or Type 42 (TrueType)

# pdf backend params
pdf.compression : 6  # integer from 0 to 9
    # 0 disables compression (good for debugging)
pdf.fonttype : 3  # Output Type 3 (Type3) or Type 42 (TrueType)
pdf.inheritcolor : False
pdf.use14corefonts : False

# pgf backend params
pgf.debug : False
pgf.texsystem : xelatex
pgf.rcfonts : True
pgf.preamble : 

# svg backend params
svg.image_inline : True  # write raster image data directly into the svg file
svg.fonttype : path  # How to handle SVG fonts:
    # 'none': Assume fonts are installed on the machine where the SVG will be viewed.
    # 'path': Embed characters as paths -- supported by most SVG renderers
    # 'svgfont': Embed characters as SVG fonts -- supported only by Chrome,
    # Opera and Safari

# Set the verbose flags. This controls how much information
# matplotlib gives you at runtime and where it goes. The verbosity
# levels are: silent, helpful, debug, debug-annoying. Any level is
# inclusive of all the levels below it. If your setting is "debug",
# you'll get all the debug and helpful messages. When submitting
# problems to the mailing-list, please set verbose to "helpful" or "debug"
# and paste the output into your report.
#
# The "fileo" gives the destination for any calls to verbose.report.
# These objects can a filename, or a filehandle like sys.stdout.
#
# You can override the rc default verbosity from the command line by
# giving the flags --verbose-LEVEL where LEVEL is one of the legal
# levels, e.g., --verbose-helpful.
#
# You can access the verbose instance in your code
# from matplotlib import verbose.
verbose.level : silent  # one of silent, helpful, debug, debug-annoying
verbose.fileo : sys.stdout # a log filename, sys.stdout or sys.stderr

# Event keys to interact with figures/plots via keyboard.
# Customize these settings according to your needs.
# Leave the field(s) empty if you don't need a key-map. (i.e., fullscreen : '')

disable.buttons : on # enabling/disabling event button
keymap.fullscreen : f, ctrl+f   # toggling
keymap.home : h, r, home       # home or reset mnemonic
keymap.back : left, c, backspace # forward / backward keys to enable
keymap.forward : right, v      # left handed quick navigation
keymap.pan : p                  # pan mnemonic
keymap.zoom : o                 # zoom mnemonic
keymap.save : s, ctrl+s         # saving current figure
keymap.quit : ctrl+w, cmd+w     # close the current figure
keymap.grid : g                  # switching on/off a grid in current axes
keymap.yscale : l               # toggle scaling of y-axes ('log'/'linear')
keymap.xscale : k, L            # toggle scaling of x-axes ('log'/'linear')
keymap.all_axes : a              # enable all axes

### ANIMATION settings
animation.writer : ffmpeg       # MovieWriter 'backend' to use
animation.codec : mpeg4         # Codec to use for writing movie
animation.bitrate : -1          # Controls size/quality tradeoff for movie.
   # -1 implies let utility auto-determine
animation.frame_format : png    # Controls frame format used by temp files
animation.ffmpeg_path : ffmpeg  # Path to ffmpeg binary. Without full path
   # SPATH is searched
animation.ffmpeg_args :        # Additional arguments to pass to ffmpeg
animation.avconv_path : avconv # Path to avconv binary. Without full path
   # SPATH is searched
animation.avconv_args :        # Additional arguments to pass to avconv
animation.mencoder_path: mencoder
      # Path to mencoder binary. Without full path
      # $PATH is searched
animation.mencoder_args:       # Additional arguments to pass to mencoder
animation.convert_path: convert  # Path to ImageMagick's convert binary.
      # On Windows use the full path since convert
      # is also the name of a system tool.
animation.convert_args:
animation.html: none

_internal.classic_mode: True
      # Seaborn dark palette
axes.prop_cycle: cycler('color', ['001C7F', '017517', '8C0900', '7600A1', 'B8860B', '006374'])
patch.facecolor: 001C7F
StartFontMetrics 2.0
Comment Creation Date: Mon Jul 2 22:37:33 1990
Comment UniqueID 31796
Comment VMusage 37415 48307
FontName Palatino-Italic
FullName Palatino Italic
FamilyName Palatino
Weight Medium
ItalicAngle -10
IsFixedPitch false
FontBBox -170 -276 1010 918
UnderlinePosition -100
UnderlineThickness 50
Version 001.005
Notice Copyright (c) 1985, 1987, 1989, 1990 Adobe Systems Incorporated. All Rights Reserved. Palatino is a trademark of Linotype AG and/or its subsidiaries.
EncodingScheme AdobeStandardEncoding
CapHeight 692
XHeight 482
Ascender 733
Descender -276
StartCharMetrics 228
  C 32 ; WX 250 ; N space ; B 0 0 0 0 ;
  C 33 ; WX 333 ; N exclam ; B 76 -8 292 733 ;
  C 34 ; WX 500 ; N quotedbl ; B 140 508 455 733 ;
  C 35 ; WX 500 ; N numbersign ; B 4 0 495 692 ;
  C 36 ; WX 500 ; N dollar ; B 15 -113 452 733 ;
  C 37 ; WX 889 ; N percent ; B 74 -7 809 710 ;
  C 38 ; WX 778 ; N ampersand ; B 47 -18 766 692 ;
  C 39 ; WX 278 ; N quoteright ; B 78 488 258 733 ;
  C 40 ; WX 333 ; N parenleft ; B 54 -106 331 733 ;
  C 41 ; WX 333 ; N parenright ; B 2 -106 279 733 ;
  C 42 ; WX 389 ; N asterisk ; B 76 368 400 706 ;
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7138
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7142
KPX v comma -55
KPX w period -55
KPX w comma -55
KPX y period -37
KPX y comma -37
EndKernPairs
EndKernData
StartComposites 58
CC Aacute 2 ; PCC A 0 0 ; PCC acute 271 210 ;
CC Acircumflex 2 ; PCC A 0 0 ; PCC circumflex 261 210 ;
CC Adieresis 2 ; PCC A 0 0 ; PCC dieresis 255 210 ;
CC Agrave 2 ; PCC A 0 0 ; PCC grave 235 210 ;
CC Aring 2 ; PCC A 0 0 ; PCC ring 235 210 ;
CC Atilde 2 ; PCC A 0 0 ; PCC tilde 255 228 ;
CC Ccedilla 2 ; PCC C 0 0 ; PCC cedilla 207 0 ;
CC Eacute 2 ; PCC E 0 0 ; PCC acute 199 210 ;
CC Ecircumflex 2 ; PCC E 0 0 ; PCC circumflex 179 210 ;
CC Edieresis 2 ; PCC E 0 0 ; PCC dieresis 179 210 ;
CC Egrave 2 ; PCC E 0 0 ; PCC grave 167 210 ;
CC Iacute 2 ; PCC I 0 0 ; PCC acute 60 210 ;
CC Icircumflex 2 ; PCC I 0 0 ; PCC circumflex 40 210 ;
CC Idieresis 2 ; PCC I 0 0 ; PCC dieresis 40 210 ;
CC Igrave 2 ; PCC I 0 0 ; PCC grave 28 210 ;
CC Ntilde 2 ; PCC N 0 0 ; PCC tilde 263 228 ;
CC Oacute 2 ; PCC O 0 0 ; PCC acute 283 210 ;
CC Ocircumflex 2 ; PCC O 0 0 ; PCC circumflex 263 210 ;
CC Odieresis 2 ; PCC O 0 0 ; PCC dieresis 255 210 ;
CC Ograve 2 ; PCC O 0 0 ; PCC grave 251 210 ;
CC Otilde 2 ; PCC O 0 0 ; PCC tilde 263 228 ;
CC Scaron 2 ; PCC S 0 0 ; PCC caron 130 228 ;
CC Uacute 2 ; PCC U 0 0 ; PCC acute 277 210 ;
CC Ucircumflex 2 ; PCC U 0 0 ; PCC circumflex 255 210 ;
CC Udieresis 2 ; PCC U 0 0 ; PCC dieresis 235 210 ;
CC Ugrave 2 ; PCC U 0 0 ; PCC grave 235 210 ;
CC Uacute 2 ; PCC U 0 0 ; PCC acute 227 210 ;
CC Ydieresis 2 ; PCC Y 0 0 ; PCC dieresis 187 210 ;
CC Zcaron 2 ; PCC Z 0 0 ; PCC caron 179 228 ;
CC aacute 2 ; PCC a 0 0 ; PCC acute 68 20 ;
CC acircumflex 2 ; PCC a 0 0 ; PCC circumflex 56 20 ;
CC adieresis 2 ; PCC a 0 0 ; PCC dieresis 56 20 ;
CC agrave 2 ; PCC a 0 0 ; PCC grave 44 20 ;
CC aring 2 ; PCC a 0 0 ; PCC ring 36 20 ;
CC atilde 2 ; PCC a 0 0 ; PCC tilde 56 12 ;
CC ccedilla 2 ; PCC c 0 0 ; PCC cedilla 37 0 ;
CC eacute 2 ; PCC e 0 0 ; PCC acute 48 20 ;
CC ecircumflex 2 ; PCC e 0 0 ; PCC circumflex 48 20 ;
### Classic matplotlib plotting style as of v1.5

#### LINES

# See http://matplotlib.org/api/artist_api.html#module-matplotlib.lines for more
# information on line properties.
lines.linewidth : 1.0  # line width in points
lines.linestyle : -   # solid line
lines.color : b       # has no affect on plot(); see axes.prop_cycle
lines.marker : None   # the default marker
lines.markeredgewidth : 0.5  # the line width around the marker symbol
lines.markersize : 6   # markersize, in points
lines.dash_joinstyle : round # miter|round|bevel
lines.dash_capstyle : butt   # butt|round|projecting
lines.solid_joinstyle : round # miter|round|bevel
lines.solid_capstyle : projecting # butt|round|projecting
lines.antialiased : True    # render lines in antialiased (no jaggies)
lines.dashed_pattern : 6, 6
lines.dashdot_pattern : 3, 5, 1, 5
lines.dotted_pattern : 1, 3
lines.scale_dashes: False

#### Marker props

markers.fillstyle: full

#### PATCHES
# Patches are graphical objects that fill 2D space, like polygons or circles. See
# http://matplotlib.org/api/artist_api.html#module-matplotlib.patches
# information on patch properties
patch.linewidth : 1.0  # edge width in points
patch.facecolor  : b
patch.force_edgecolor  : True
patch.edgecolor   : k
patch.antialiased : True  # render patches in antialiased (no jaggies)
hatch.color      : k
hatch.linewidth  : 1.0

hist.bins        : 10

### FONT

# font properties used by text.Text. See
# http://matplotlib.org/api/font_manager_api.html for more
# information on font properties. The 6 font properties used for font
# matching are given below with their default values.
#
# The font.family property has five values: 'serif' (e.g., Times),
# 'sans-serif' (e.g., Helvetica), 'cursive' (e.g., Zapf-Chancery),
# 'fantasy' (e.g., Western), and 'monospace' (e.g., Courier). Each of
# these font families has a default list of font names in decreasing
# order of priority associated with them. When text.usetex is False,
# font.family may also be one or more concrete font names.
#
# The font.style property has three values: normal (or roman), italic
# or oblique. The oblique style will be used for italic, if it is not
# present.
#
# The font.variant property has two values: normal or small-caps. For
# TrueType fonts, which are scalable fonts, small-caps is equivalent
# to using a font size of 'smaller', or about 83% of the current font
# size.
#
# The font.weight property has effectively 13 values: normal, bold,
# bolder, lighter, 100, 200, 300, ..., 900. Normal is the same as
# 400, and bold is 700. bolder and lighter are relative values with
# respect to the current weight.
#
# The font.stretch property has 11 values: ultra-condensed,
# extra-condensed, condensed, semi-condensed, normal, semi-expanded,
# expanded, extra-expanded, ultra-expanded, wider, and narrower. This
# property is not currently implemented.
#
# The font.size property is the default font size for text, given in pts.
# 12pt is the standard value.
#
# font.family         : sans-serif
# font.style          : normal
# font.variant        : normal
# font.weight         : normal
# font.stretch        : normal
# note that font.size controls default text sizes. To configure
# special text sizes tick labels, axes, labels, title, etc, see the rc
# settings for axes and ticks. Special text sizes can be defined
# relative to font.size, using the following values: xx-small, x-small,
# small, medium, large, x-large, xx-large, larger, or smaller
# font.size           : 12.0
# font.serif     : DejaVu Serif, New Century Schoolbook, Century Schoolbook L, Utopia, ITC Bookman, Bookman,
# Nimbus Roman No9 L, Times New Roman, Times, Palatino, Charter, serif
# font.sans-serif: DejaVu Sans, Lucida Grande, Verdana, Geneva, Lucid, Arial, Helvetica, Avant Garde, sans-serif
# font.cursive   : Apple Chancery, Textile, Zapf Chancery, Sand, Script MT, Felipa, cursive
# font.fantasy   : Comic Sans MS, Chicago, Charcoal, ImpactWestern, Humor Sans, fantasy
# font.monospace : DejaVu Sans Mono, Andale Mono, Nimbus Mono L, Courier New, Courier, Fixed, Terminal, monospace

### TEXT

# text properties used by text.Text. See
# http://matplotlib.org/api/artist_api.html#module-matplotlib.text for more
# information on text properties

text.color          : k

### LaTeX customizations. See http://www.scipy.org/Wiki/Cookbook/Matplotlib/UsingTex
text.usetex         : False  # use latex for all text handling. The following fonts
# are supported through the usual rc parameter settings:
# new century schoolbook, bookman, times, palatino,
# zapf chancery, charter, serif, sans-serif, helvetica,
# avant garde, courier, monospace, computer modern roman,
# computer modern sans serif, computer modern typewriter
# If another font is desired which can loaded using the
# LaTeX \usepackage command, please inquire at the
# matplotlib mailing list
text.latex.unicode : False # use "ucs" and "inputenc" LaTeX packages for handling
# unicode strings.
text.latex.preamble : # IMPROPER USE OF THIS FEATURE WILL LEAD TO LATEX FAILURES
# AND IS THEREFORE UNSUPPORTED. PLEASE DO NOT ASK FOR HELP
# IF THIS FEATURE DOES NOT DO WHAT YOU EXPECT IT TO.
# preamble is a comma separated list of LaTeX statements
# that are included in the LaTeX document preamble.
# An example:
# text.latex.preamble : \usepackage{bm},\usepackage{euler}
# The following packages are always loaded withusetex, so
# beware of package collisions: color, geometry, graphicx,
# type1cm, textcomp. Adobe Postscript (PSSNFS) font packages
# may also be loaded, depending on your font settings

text.latex.preview : False

text.hinting : auto  # May be one of the following:
# 'none': Perform no hinting
# 'auto': Use freetype's autohinter
# 'native': Use the hinting information in the
#    font file, if available, and if your
#    freetype library supports it
# 'either': Use the native hinting information,
#    or the autohinter if none is available.
# For backward compatibility, this value may also be
# True === 'auto' or False === 'none'.
text.hinting_factor : 8 # Specifies the amount of softness for hinting in the
# horizontal direction. A value of 1 will hint to full
# pixels. A value of 2 will hint to half pixels etc.

text.antialiased : True  # If True (default), the text will be antialiased.
# This only affects the Agg backend.

# The following settings allow you to select the fonts in math mode.
# They map from a TeX font name to a fontconfig font pattern.
# These settings are only used if mathtext.fontset is 'custom'.
# Note that this "custom" mode is unsupported and may go away in the
# future.
mathtext.cal : cursive
mathtext.rm  : serif
mathtext.tt  : monospace
mathtext.it  : serif:italic
mathtext.bf  : serif:bold
mathtext.sf  : sans-serif
mathtext.fontset : cm # Should be 'cm' (Computer Modern), 'stix',
# 'stixsans' or 'custom'
mathtext.fallback_to_cm : True # When True, use symbols from the Computer Modern
# fonts when a symbol can not be found in one of
# the custom math fonts.

mathtext.default : it # The default font to use for math.
# Can be any of the LaTeX font names, including
# the special name "regular" for the same font
# used in regular text.

### AXES
# default face and edge color, default tick sizes,
# default fontsizes for ticklabels, and so on. See
# http://matplotlib.org/api/axes_api.html#module-matplotlib.axes
axes.facecolor : w # axes background color
axes.edgecolor : k # axes edge color
axes.linewidth : 1.0 # edge linewidth
axes.grid : False # display grid or not
axes.grid.which : major
axes.grid.axis : both
axes.titlesize : large # fontsize of the axes title
axes.titlepad : 5.0 # pad between axes and title in points
axes.titleweight : normal # font weight for axes title
axes.labelsize : medium # fontsize of the x any y labels
axes.labelpad : 5.0 # space between label and axis
axes.labelweight : normal # weight of the x and y labels
axes.labelcolor : k
axes.axisbelow : False # whether axis gridlines and ticks are below
# the axes elements (lines, text, etc)

axes.formatter_limits : -7, 7 # use scientific notation if log10
# of the axis range is smaller than the
# first or larger than the second
axes.formatter.use_locale : False # When True, format tick labels
# according to the user's locale.
# For example, use '.' as a decimal
# separator in the fr_FR locale.
axes.formatter.use_mathtext : False # When True, use mathtext for scientific
# notation.
axes.formatter.useoffset : True # If True, the tick label formatter
# will default to labeling ticks relative
# to an offset when the data range is very
# small compared to the minimum absolute
# value of the data.
axes.formatter.offset_threshold : 2 # When useoffset is True, the offset
# will be used when it can remove
# at least this number of significant
# digits from tick labels.

axes.unicode_minus : True # use unicode for the minus symbol
# rather than hyphen. See
# http://en.wikipedia.org/wiki/Plus_and_minus_signs#Character_codes
axes.prop_cycle : cycler('color', 'bgrcmyk')
# color cycle for plot lines
# as list of string colorspecs:
# single letter, long name, or
# web-style hex
axes.autolimit_mode : round_numbers
axes.xmargin : 0 # x margin. See `axes.Axes.margins`
axes.ymargin : 0 # y margin See `axes.Axes.margins`
axes.spines.bottom : True
axes.spines.left : True
axes.spines.right : True
axes.spines.top : True
polaraxes.grid : True    # display grid on polar axes
axes3d.grid : True    # display grid on 3d axes

date.autoformatter.year : %Y
date.autoformatter.month : %b %Y
date.autoformatter.day : %b %d %Y
date.autoformatter.hour : %H:%M:%S
date.autoformatter.minute : %H:%M:%S.%f
date.autoformatter.second : %H:%M:%S.%f
date.autoformatter.microsecond : %H:%M:%S.%f

### TICKS
# see http://matplotlib.org/api/axis_api.html#matplotlib.axis.Tick

xtick.top : True   # draw ticks on the top side
xtick.bottom : True   # draw ticks on the bottom side
xtick.major.size : 4   # major tick size in points
xtick.minor.size : 2   # minor tick size in points
xtick.minor.visible : False
xtick.major.width : 0.5   # major tick width in points
xtick.minor.width : 0.5   # minor tick width in points
xtick.major.pad : 4   # distance to major tick label in points
xtick.minor.pad : 4   # distance to the minor tick label in points
xtick.color : k   # color of the tick labels
xtick.labelsize : medium # fontsize of the tick labels
xtick.direction : in   # direction: in, out, or inout
xtick.major.top : True   # draw x axis top major ticks
xtick.major.bottom : True   # draw x axis bottom major ticks
xtick.minor.top : True   # draw x axis top minor ticks
xtick.minor.bottom : True   # draw x axis bottom minor ticks
xtick.alignment : center

ytick.left : True   # draw ticks on the left side
ytick.right : True   # draw ticks on the right side
ytick.major.size : 4   # major tick size in points
ytick.minor.size : 2   # minor tick size in points
ytick.minor.visible : False
ytick.major.width : 0.5   # major tick width in points
ytick.minor.width : 0.5   # minor tick width in points
ytick.major.pad : 4   # distance to major tick label in points
ytick.minor.pad : 4   # distance to the minor tick label in points
ytick.color : k   # color of the tick labels
ytick.labelsize : medium # fontsize of the tick labels
ytick.direction : in   # direction: in, out, or inout
ytick.major.left : True   # draw y axis left major ticks
ytick.major.right : True  # draw y axis right major ticks
ytick.minor.left  : True  # draw y axis left minor ticks
ytick.minor.right : True  # draw y axis right minor ticks
ytick.alignment   : center

### GRIDS
grid.color       : k       # grid color
grid.linestyle   : :       # dotted
grid.linewidth   : 0.5     # in points
grid.alpha       : 1.0     # transparency, between 0.0 and 1.0

### Legend
legend.fancybox      : False  # if True, use a rounded box for the
                         # legend, else a rectangle
legend.loc           : upper right
legend.numpoints     : 2      # the number of points in the legend line
legend.fontsize      : large
legend.borderpad     : 0.4    # border whitespace in fontsize units
legend.markerscale   : 1.0    # the relative size of legend markers vs. original
# the following dimensions are in axes coords
legend.labelspacing  : 0.5    # the vertical space between the legend entries in fraction of fontsize
legend.handlelength  : 2.     # the length of the legend lines in fraction of fontsize
legend.handleheight  : 0.7    # the height of the legend handle in fraction of fontsize
legend.handletextpad : 0.8    # the space between the legend line and legend text in fraction of fontsize
legend.borderaxespad : 0.5   # the border between the axes and legend edge in fraction of fontsize
legend.columnspacing : 2.    # the border between the axes and legend edge in fraction of fontsize
legend.shadow        : False
legend.frameon       : True   # whether or not to draw a frame around legend
legend.framealpha    : None    # opacity of legend frame
legend.scatterpoints : 3 # number of scatter points
legend.facecolor     : inherit # legend background color (when 'inherit' uses axes.facecolor)
legend.edgecolor     : inherit # legend edge color (when 'inherit' uses axes.edgecolor)

### FIGURE
# See http://matplotlib.org/api/figure_api.html#matplotlib.figure.Figure
figure.titlesize : medium     # size of the figure title
figure.titleweight : normal    # weight of the figure title
figure.figsize   : 8, 6    # figure size in inches
figure.dpi       : 80      # figure dots per inch
figure.facecolor : 0.75    # figure facecolor; 0.75 is scalar gray
figure.edgecolor : w       # figure edgecolor
figure.autolayout : False  # When True, automatically adjust subplot
                         # parameters to make the plot fit the figure
figure.frameon : True

# The figure subplot parameters. All dimensions are a fraction of the
# figure width or height
figure.subplot.left : 0.125  # the left side of the subplots of the figure
figure.subplot.right : 0.9    # the right side of the subplots of the figure
figure.subplot.bottom : 0.1    # the bottom of the subplots of the figure
figure.subplot.top : 0.9    # the top of the subplots of the figure
figure.subplot.wspace : 0.2  # the amount of width reserved for blank space between subplots,
# expressed as a fraction of the average axis width
figure.subplot.hspace : 0.2  # the amount of height reserved for white space between subplots,
# expressed as a fraction of the average axis height

### IMAGES
image.aspect : equal             # equal | auto | a number
image.interpolation : bilinear  # see help(imshow) for options
image.cmap : jet                 # gray | jet etc...
image.lut : 256                  # the size of the colormap lookup table
image.origin : upper             # lower | upper
image.resample : False
image.composite_image : True

### CONTOUR PLOTS
contour.negative_linestyle : dashed # dashed | solid
contour.corner_mask : True

# errorbar props
errorbar.capsize: 3

# scatter props
scatter.marker: o

### Boxplots
boxplot.bootstrap: None
boxplot.boxprops.color: b
boxplot.boxprops.linestyle: -
boxplot.boxprops.linewidth: 1.0
boxplot.capprops.color: k
boxplot.capprops.linestyle: -
boxplot.capprops.linewidth: 1.0
boxplot.flierprops.color: b
boxplot.flierprops.linestyle: none
boxplot.flierprops.linewidth: 1.0
boxplot.flierprops.marker: +
boxplot.flierprops.markeredgewidthcolor: k
boxplot.flierprops.markercolor: auto
boxplot.flierprops.markersize: 6.0
boxplot.meanline: False
boxplot.meanprops.color: r
boxplot.meanprops.linestyle: -
boxplot.meanprops.linewidth: 1.0
boxplot.medianprops.color: r
boxplot.meanprops.marker: s
boxplot.meanprops.markerfacecolor: r
boxplot.meanprops.markeredgecolor: k
boxplot.meanprops.markersize: 6.0
boxplot.medianprops.linestyle: -
boxplot.medianprops.linewidth: 1.0
boxplot.notch: False
boxplot.patchartist: False
boxplot.showbox: True
boxplot.showcaps: True
boxplot.showfliers: True
boxplot.showmeans: False
boxplot.vertical: True
boxplot.whiskerprops.color: b
boxplot.whiskerprops.linestyle: --
boxplot.whiskerprops.linewidth: 1.0
boxplot.whiskers: 1.5

### Agg rendering
### Warning: experimental, 2008/10/10
agg.path.chunksize : 0           # 0 to disable; values in the range
                   # 10000 to 100000 can improve speed slightly
                   # and prevent an Agg rendering failure
                   # when plotting very large data sets,
                   # especially if they are very gappy.
                   # It may cause minor artifacts, though.
                   # A value of 20000 is probably a good
                   # starting point.

### SAVING FIGURES
path.simplify : True   # When True, simplify paths by removing "invisible"
                   # points to reduce file size and increase rendering
                   # speed
path.simplify_threshold : 0.1111111111111111
                   # The threshold of similarity below which
                   # vertices will be removed in the simplification
                   # process
path.snap : True # When True, rectilinear axis-aligned paths will be snapped to
                   # the nearest pixel when certain criteria are met. When False,
                   # paths will never be snapped.
path.sketch : None # May be none, or a 3-tuple of the form (scale, length,
                   # randomness).
                   # *scale* is the amplitude of the wiggle
                   # perpendicular to the line (in pixels). *length*
                   # is the length of the wiggle along the line (in
                   # pixels). *randomness* is the factor by which
                   # the length is randomly scaled.
# the default savefig params can be different from the display params
# e.g., you may want a higher resolution, or to make the figure
# background white
savefig.dpi : 100  # figure dots per inch
savefig.facecolor : w  # figure facecolor when saving
savefig.edgecolor : w  # figure edgecolor when saving
savefig.format : png  # png, ps, pdf, svg
savefig.bbox : standard  # 'tight' or 'standard'.
  # 'tight' is incompatible with pipe-based animation
  # backends but will work with temporary file based ones:
  # e.g. setting animation.writer to ffmpeg will not work,
  # use ffmpeg_file instead
savefig.pad_inches : 0.1  # Padding to be used when bbox is set to 'tight'
savefig.jpeg_quality : 95  # when a jpeg is saved, the default quality parameter.
savefig.transparent : False  # setting that controls whether figures are saved with a
  # transparent background by default
savefig.frameon : True
savefig.orientation : portrait

nbagg.transparent: True

# ps backend params
ps.papersize : letter  # auto, letter, legal, ledger, A0-A10, B0-B10
ps.useafm : False  # use of afm fonts, results in small files
ps.usedistiller : False  # can be: None, ghostscript or xpdf
  # Experimental: may produce smaller files.
  # xpdf intended for production of publication quality files,
  # but requires ghostscript, xpdf and ps2eps
ps.distiller.res : 6000  # dpi
ps.fonttype : 3  # Output Type 3 (Type3) or Type 42 (TrueType)

# pdf backend params
pdf.compression : 6  # integer from 0 to 9
  # 0 disables compression (good for debugging)
pdf.fonttype : 3  # Output Type 3 (Type3) or Type 42 (TrueType)
pdf.inheritcolor : False
pdf.use14corefonts : False

# pgf backend params
pgf.debug : False
pgf.texsystem : xelatex
pgf.rcfonts : True
pgf.preamble :

# svg backend params
svg.image_inline : True  # write raster image data directly into the svg file
svg.fonttype : path  # How to handle SVG fonts:
  # 'none': Assume fonts are installed on the machine where the SVG will be viewed.
# 'path': Embed characters as paths -- supported by most SVG renderers
# 'svgfont': Embed characters as SVG fonts -- supported only by Chrome, Opera and Safari

# Set the verbose flags. This controls how much information
# matplotlib gives you at runtime and where it goes. The verbosity levels are: silent, helpful, debug, debug-annoying. Any level is inclusive of all the levels below it. If your setting is "debug", you'll get all the debug and helpful messages. When submitting problems to the mailing-list, please set verbose to "helpful" or "debug" and paste the output into your report.
# The "fileo" gives the destination for any calls to verbose.report.
# These objects can a filename, or a filehandle like sys.stdout.
# You can override the rc default verbosity from the command line by giving the flags --verbose-LEVEL where LEVEL is one of the legal levels, e.g., --verbose-helpful.
# You can access the verbose instance in your code from matplotlib import verbose.

verbose.level : silent  # one of silent, helpful, debug, debug-annoying
verbose.fileo : sys.stdout  # a log filename, sys.stdout or sys.stderr

# Event keys to interact with figures/plots via keyboard.
# Customize these settings according to your needs.
# Leave the field(s) empty if you don't need a key-map. (i.e., fullscreen : '')

keymap.fullscreen : f, ctrl+f  # toggling
keymap.home : h, r, home  # home or reset mnemonic
keymap.back : left, c, backspace  # forward / backward keys to enable
keymap.forward : right, v  # left handed quick navigation
keymap.pan : p  # pan mnemonic
keymap.zoom : o  # zoom mnemonic
keymap.save : s, ctrl+s  # saving current figure
keymap.quit : ctrl+w, cmd+w  # close the current figure
keymap.grid : g  # switching on/off a grid in current axes
keymap.yscale : l  # toggle scaling of y-axes ('log'/'linear')
keymap.xscale : k, L  # toggle scaling of x-axes ('log'/'linear')
keymap.all_axes : a  # enable all axes

###ANIMATION settings

animation.writer : ffmpeg  # MovieWriter 'backend' to use
animation.codec : mpeg4  # Codec to use for writing movie
animation.bitrate: -1  # Controls size/quality tradeoff for movie.
    # -1 implies let utility auto-determine
animation.frame_format: png  # Controls frame format used by temp files
animation.ffmpeg_path: ffmpeg  # Path to ffmpeg binary. Without full path
    # $PATH is searched
animation.ffmpeg_args:  # Additional arguments to pass to ffmpeg
animation.avconv_path: avconv  # Path to avconv binary. Without full path
    # $PATH is searched
animation.avconv_args:  # Additional arguments to pass to avconv
animation.mencoder_path: mencoder
    # Path to mencoder binary. Without full path
    # $PATH is searched
animation.mencoder_args:  # Additional arguments to pass to mencoder
animation.convert_path: convert  # Path to ImageMagick's convert binary.
    # On Windows use the full path since convert
    # is also the name of a system tool.
animation.convert_args:
animation.html: none

_internal.classic_mode: True
Year,Agriculture,Architecture,Art and Performance,Biology,Business,Communications and Journalism,Computer Science,Education,Engineering,English,Foreign Languages,Health Professions,Math and Statistics,Physical Sciences,Psychology,Public Administration,Public History
1970,4.22979798,11.92100539,59.7,29.08836297,9.064438975,35.3,13.6,74.53532758,0.8,65.57092343,73.8,77.1,38.1,13.8,44.4,68.4,36.8
1971,5.452796685,12.00310559,59.9,29.39440285,9.503186594,35.5,13.6,74.14920369,1,64.55648516,73.9,75.5,39.4,14.9,46.2,65.5,36.2
1972,7.42071022,13.21459351,60.4,29.81022105,10.5589621,36.6,14.9,73.55451996,1.2,63.6642632,74.6,76.9,40.2,14.8,47.6,62.6,36.1
1973,9.653602412,14.7916134,60.2,31.14791477,12.80460152,38.4,14.6,73.50181443,1.6,62.94150212,74.9,77.4,40.9,16.5,50.4,64.3,36.4
1974,14.07462346,17.44468758,61.9,32.99618284,16.20485038,40.5,18.9,73.33681143,2.2,62.41341209,75.3,77.9,41.8,18.2,52.6,66.1,37.3
1975,18.33316153,19.13404767,60.9,34.44990213,19.68624931,41.5,19.8,72.80185448,3.2,61.64720641,75.7,78.9,40.7,19.1,54.5,63.3,37.7
1976,22.5276005,21.39449143,61.3,36.07287146,23.4300375,44.4,23.9,72.1662471,4.5,62.14819377,74.4,79.2,41.5,20.6,56.9,63.3,39.2
1977,24.601766,23.74054054,62.8,33.3138629,2.16342715,46.9,25.7,72.45639481,6.8,62.72306675,74.3,80.5,41.2,21.3,59.6,34.0,40.5
1978,27.14619175,25.84923973,62.5,40.11249564,30.52751868,49.9,28.1,73.19282134,8.4,63.61912216,74.3,81.9,41.6,22.5,61.3,71.5,41.8
1979,29.63365497,27.77047744,63.2,42.0655109,33.62163381,52.3,30.2,72.82114234,9.4,65.0883972,74.2,82.3,42.3,23.7,63.3,43.6
1980,30.75938956,28.08038075,63.4,43.99925716,36.76572529,54.7,32.5,74.98103152,10.3,65.28413007,74.1,83.5,42.8,24.6,65.1,74.6,44.2
1981,31.31865519,29.84169408,63.3,45.24951206,39.26622984,56.4,34.8,75.84512345,11.6,65.83832154,73.9,84.1,43.2,25.7,66.9,74.7,44.6
1982,32.63663646,34.81624758,63.1,45.96733794,41.94937335,58.36,35.75,84.364914,12.4,65.84735212,72.7,84.4,44.2,27.3,67.5,76.8,44.6
1983,31.6353471,35.82625735,62.4,46.71313451,43.54206966,58.6,37.1,75.95060123,13.1,65.91837999,71.8,84.6,44.3,27.6,67.9,76.1,44.1
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7160
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7163
KPX F period -129
KPX F e -20
KPX F comma -162
KPX F a -20
KPX F A -75

KPX G period -20
KPX G comma -20
KPX G Y -15

KPX J period -15
KPX J a -20
KPX J A -30

KPX K y -20
KPX K u -15
KPX K o -45
KPX K e -40
KPX K O -30

KPX L y -23
KPX L quoteright -30
KPX L quotedblright -30
KPX L Y -80
KPX L W -55
KPX L V -85
KPX L T -46

KPX O period -30
KPX O comma -30
KPX O Y -30
KPX O X -30
KPX O W -20
KPX O V -45
KPX O T -15
KPX O A -60

KPX P period -200
KPX P o -20
KPX P e -20
KPX P comma -220
KPX P a -20
KPX P A -100

KPX Q comma 20

KPX R W 25
KPX g a 15
KPX h y -30
KPX k y -5
KPX k o -30
KPX k e -40
KPX m y -20
KPX m u -20
KPX n y -15
KPX n v -30
KPX o y -20
KPX o x -30
KPX o w -20
KPX o v -30
KPX p y -20
KPX period space -50
KPX period quoteright -70
KPX period quotedblright -70
KPX quotedblleft A -50
KPX quotedblright space -50
KPX quoteleft quoteleft -80
KPX quoteleft A -50
KPX quoteright v -10
KPX quoteright t 10
KPX quoteright space -50
KPX quoteright s -15
KPX quoteright r -20
KPX quoteright quoteright -80
KPX quoteright d -50
KPX r y 40
KPX r v 40
KPX r u 20
KPX r t 20
KPX r s 20
KPX r q -8
KPX r period -73
KPX r p 20
KPX r o -15
KPX r n 21
KPX r m 15
KPX r l 20
KPX r k 5
KPX r i 20
KPX r hyphen -60
KPX r g 1
KPX r e -4
KPX r d -6
KPX r comma -75
KPX r c -7

KPX s period 20
KPX s comma 20

KPX space quoteleft -50
KPX space quotedblleft -50
KPX space Y -60
KPX space W -25
KPX space V -80
KPX space T -25
KPX space A -20

KPX v period -90
KPX v o -20
KPX v e -20
KPX v comma -90
KPX v a -30

KPX w period -90
KPX w o -30
KPX w e -20
KPX w comma -90
KPX w a -30

KPX x e -20

KPX y period -100
KPX y o -30
KPX y e -20
KPX y comma -100
KPX y c -35
KPX y a -30
EndKernPairs
EndKernData
StartComposites 56
CC Aacute 2 ; PCC A 0 0 ; PCC acute 192 170 ;
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7174
# Seaborn notebook context

```python
figure.figsize: 8.0, 5.5
axes.labelsize: 11
axes.titlesize: 12
xtick.labelsize: 10
ytick.labelsize: 10
legend.fontsize: 10
grid.linewidth: 1
lines.linewidth: 1.75
patch.linewidth: .3
lines.markersize: 7
lines.markeredgewidth: 0
```

```
xтик.major.width: 1
yтик.major.width: 1
xtick.minor.width: .5
ytick.minor.width: .5
```

```python
xtick.major.pad: 7
ytick.major.pad: 7
```

```
StartFontMetrics 2.0
Comment Copyright (c) 1985, 1987, 1989, 1990 Adobe Systems Incorporated. All rights reserved.
Comment Creation Date: Thu Mar 15 11:04:57 1990
Comment UniqueID 28380
Comment VMusage 7572 42473
FontName Helvetica-Narrow
FullName Helvetica Narrow
FamilyName Helvetica
Weight Medium
ItalicAngle 0
IsFixedPitch false
FontBBox -136 -225 820 931
UnderlinePosition -100
UnderlineThickness 50
Version 001.006
Notice Copyright (c) 1985, 1987, 1989, 1990 Adobe Systems Incorporated. All rights reserved. Helvetica is a trademark of Linotype AG and/or its subsidiaries.
EncodingScheme AdobeStandardEncoding
CapHeight 718
XHeight 523
Ascender 718
Descender -207
StartCharMetrics 228
```
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7183
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7187
KPX A T -97
KPX A Q -24
KPX A O -24
KPX A G -24
KPX A C -24

KPX B period -15
KPX B comma -15
KPX B U -7

KPX C period -24
KPX C comma -24

KPX D period -56
KPX D comma -56
KPX D Y -73
KPX D W -32
KPX D V -56
KPX D A -32

KPX F r -36
KPX F period -122
KPX F α -24
KPX F e -24
KPX F comma -122
KPX F a -40
KPX F A -65

KPX J u -15
KPX J period -24
KPX J comma -24
KPX J a -15
KPX J A -15

KPX K y -40
KPX K u -24
KPX K o -32
KPX K e -32
KPX K O -40

KPX L y -24
KPX L quoteright -130
KPX L quotedblright -114
KPX L Y -114
KPX L W -56
KPX L V -89
KPX L T -89
KPX O period -32
KPX O comma -32
KPX O Y -56
KPX O X -48
KPX O W -24
KPX O V -40
KPX O T -32
KPX O A -15

KPX P period -147
KPX P o -40
KPX P e -40
KPX P comma -147
KPX P a -32
KPX P A -97

KPX Q U -7

KPX R Y -40
KPX R W -24
KPX R V -40
KPX R U -32
KPX R T -24
KPX R O -15

KPX S period -15
KPX S comma -15

KPX T y -97
KPX T w -97
KPX T u -97
KPX T semicolon -15
KPX T r -97
KPX T period -97
KPX T o -97
KPX T hyphen -114
KPX T e -97
KPX T comma -97
KPX T colon -15
KPX T a -97
KPX T O -32
KPX T A -97

KPX U period -32
KPX U comma -32
KPX U A -32

KPX V u -56
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7194
C 91 ; WX 350 ; N bracketleft ; B 56 -128 428 692 ;
C 92 ; WX 460 ; N backslash ; B 114 -15 425 742 ;
C 93 ; WX 350 ; N bracketright ; B -22 -128 350 692 ;
C 94 ; WX 600 ; N asciicircum ; B 79 215 567 668 ;
C 95 ; WX 500 ; N underscore ; B 0 -125 500 -75 ;
C 96 ; WX 246 ; N quoteleft ; B 114 399 313 719 ;
C 97 ; WX 596 ; N a ; B -14 -242 609 512 ;
C 98 ; WX 586 ; N b ; B -129 -242 604 513 ;
C 99 ; WX 456 ; N c ; B -129 -242 604 513 ;
C 100 ; WX 609 ; N d ; B 44 -12 631 742 ;
C 101 ; WX 570 ; N e ; B -129 -242 604 513 ;
C 102 ; WX 327 ; N f ; B -129 -242 604 513 ;
C 103 ; WX 562 ; N g ; B -14 -242 609 512 ;
C 104 ; WX 629 ; N h ; B 44 -12 631 742 ;
C 105 ; WX 339 ; N i ; B 66 -12 357 720 ;
C 106 ; WX 333 ; N j ; B -120 -242 604 513 ;
C 107 ; WX 570 ; N k ; B 39 -12 604 742 ;
C 108 ; WX 327 ; N l ; B 66 -12 357 720 ;
C 109 ; WX 914 ; N m ; B 46 -12 917 502 ;
C 110 ; WX 635 ; N n ; B 45 -12 639 502 ;
C 111 ; WX 562 ; N o ; B 42 -12 556 502 ;
C 112 ; WX 606 ; N p ; B 0 -242 613 502 ;
C 113 ; WX 584 ; N q ; B 29 -242 604 513 ;
C 114 ; WX 440 ; N r ; B 51 -12 497 502 ;
C 115 ; WX 417 ; N s ; B 10 -12 432 502 ;
C 116 ; WX 359 ; N t ; B 68 -12 428 641 ;
C 117 ; WX 634 ; N u ; B 71 -12 643 502 ;
C 118 ; WX 518 ; N v ; B 68 -12 547 502 ;
C 119 ; WX 795 ; N w ; B 70 -12 826 502 ;
C 120 ; WX 516 ; N x ; B -26 -12 546 502 ;
C 121 ; WX 489 ; N y ; B -49 -242 532 502 ;
C 122 ; WX 466 ; N z ; B -17 -12 506 490 ;
C 123 ; WX 340 ; N braceleft ; B 90 -128 439 692 ;
C 124 ; WX 265 ; N bar ; B 117 -250 221 750 ;
C 125 ; WX 340 ; N braceright ; B -42 -128 307 692 ;
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C 127 ; WX 285 ; N exclamdown ; B -13 -217 288 502 ;
C 128 ; WX 560 ; N cent ; B 80 -21 611 668 ;
C 129 ; WX 560 ; N dol ; B -4 0 583 679 ;
C 130 ; WX 100 ; N fraction ; B -176 -27 370 695 ;
C 131 ; WX 560 ; N yen ; B 65 0 676 668 ;
C 132 ; WX 560 ; N florin ; B -16 -135 635 691 ;
C 133 ; WX 568 ; N section ; B 64 -115 559 707 ;
C 134 ; WX 560 ; N currency ; B 60 73 578 596 ;
C 135 ; WX 246 ; N quotesingle ; B 134 376 285 707 ;
C 136 ; WX 455 ; N quotedblleft ; B 114 399 522 719 ;
C 137 ; WX 560 ; N guillemotleft ; B 90 37 533 464 ;
C 138 ; WX 360 ; N guillemotright ; B 90 37 333 464 ;
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7198
KPX Mi -20
KPX Me -25
KPX Md -20
KPX Mc -25
KPX Ma -20

KPX Ny -18
KPX Nu -24
KPX No -18
KPX Ni -12
KPX Ne -16
KPX Na -22

KPX Oz -6
KPX Oy 12
KPX Ou -6
KPX Ot -6
KPX Os -6
KPX Or -6
KPX Oquoteright -20
KPX Oquotedblright -20
KPX Oq 6
KPX Operiod -10
KPX Op -6
KPX On -6
KPX Om -6
KPX O1 -15
KPX Ok -10
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KPX Oh -10
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KPX OA -8

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KPX Ps -24
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KPX R O -8
KPX R G -8
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KPX S w -30
KPX S v -20
KPX S u -18
KPX S t -18
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7215
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7217
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KPX L W 9
KPX L V 4
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KPX R V 2
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KPX T semicolon 48
KPX T s -7
KPX T r 67
KPX T period -78
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KPX T e 10
KPX T comma -79
KPX T colon 48
KPX T c 16
KPX T a 9
KPX T A -14
KPX V y -14
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KPX V hyphen 20
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KPX V colon -35
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KPX V A -70
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7237
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KPX braceleft W 64
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KPX braceleft J 80

KPX bracketleft Y 64
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KPX bracketleft V 64
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KPX c period -10

KPX comma quoterright -50
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KPX d quoterright -24
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KPX e z -4
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7260
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7264
StartKernPairs 283

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KPX B A -30

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KPX D A -35

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KPX O period 0
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KPX O A -40

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KPX Q comma 0
KPX Q U -10

KPX R Y -35
KPX R W -35
KPX R V -55
KPX R U -30
KPX R T -40
KPX R O -30
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7272
This is the sample data needed for some of matplotlib's examples and docs. See matplotlib.cbook.get_sample_data for more info.
https://github.com/altercation/solarized/blob/master/LICENSE

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# Seaborn muted palette
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patch.facecolor: 4878CF

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Comment VMusage 45775 55535
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7279
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KPX W e -69
KPX W comma -34
KPX W a -66
KPX W A -64

KPX Y v 15
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KPX Y o -57
KPX Y i -37
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KPX Y comma -34
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KPX f f 29

KPX r q 9
KPX r period -64
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KPX r n 31
KPX r m 31
KPX r hyphen 70
KPX r h -21
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KPX r e 7
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CC Eacute 2 ; PCC E 0 0 ; PCC acute 220 177 ;
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patch.facecolor: 003FFF
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Comment Creation Date: Mon Jan 11 17:38:44 PST 1988
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EncodingScheme AdobeStandardEncoding
FullName Helvetica Light Oblique
FamilyName Helvetica
Weight Light
ItalicAngle -12.0
IsFixedPitch false
UnderlinePosition -90
UnderlineThickness 58
Version 001.002
Notice Copyright (c) 1985, 1987, 1988 Adobe Systems Incorporated. All Rights Reserved. Helvetica is a trademark of Linotype Company.
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CapHeight 720
XHeight 518
Descender -204
Ascender 720
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C 38 ; WX 667 ; N ampersand ; B 77 -19 646 720 ;
C 39 ; WX 222 ; N quoteright ; B 185 495 306 720 ;
C 40 ; WX 333 ; N parenleft ; B 97 -191 434 739 ;
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C 42 ; WX 389 ; N asterisk ; B 172 434 472 720 ;
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7288
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7290
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283
7294
KPX y period -92
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EndKernData
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C 203 ; WX 600 ; N cedilla ; B 224 -151 362 10 ;
C 205 ; WX 600 ; N hungarumlaut ; B 133 497 540 672 ;
C 206 ; WX 600 ; N ogonek ; B 211 -172 407 4 ;
C 207 ; WX 600 ; N caron ; B 124 492 476 669 ;
C 208 ; WX 600 ; N emdash ; B 0 231 600 285 ;
C 225 ; WX 600 ; N AE ; B 3 0 550 562 ;
C 227 ; WX 600 ; N ordfeminine ; B 156 249 442 580 ;
C 232 ; WX 600 ; N Lslash ; B 47 0 554 562 ;
C 233 ; WX 600 ; N Oslash ; B 43 -80 557 629 ;
C 234 ; WX 600 ; N OE ; B 7 0 567 562 ;
C 235 ; WX 600 ; N ordmasculine ; B 157 249 443 580 ;
C 241 ; WX 600 ; N ae ; B 19 -15 570 441 ;
C 245 ; WX 600 ; N dotlessi ; B 95 0 505 426 ;
C 248 ; WX 600 ; N lslash ; B 95 0 505 629 ;
C 249 ; WX 600 ; N oslash ; B 62 -80 538 506 ;
C 250 ; WX 600 ; N oe ; B 19 -15 559 441 ;
C 251 ; WX 600 ; N germandbls ; B 48 -15 588 629 ;
C -1 ; WX 600 ; N Idieresis ; B 96 0 504 753 ;

Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7299
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283  7304
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7305
Open Source Used in DNAC Frost Platform Maglev 1.7.0 1.7.283 7307
KPX O period -50
KPX O comma -50
KPX O Y -18
KPX O X -18
KPX O V -18
KPX O T 18

KPX P period -125
KPX P o -55
KPX P e -55
KPX P comma -125
KPX P a -55
KPX P A -50

KPX Q period -20
KPX Q comma -20

KPX R Y -18
KPX R W -18
KPX R V -18
KPX R U -18

KPX S period -50
KPX S comma -50

KPX T y -50
KPX T w -50
KPX T u -50
KPX T semicolon -50
KPX T r -50
KPX T period -100
KPX T o -74
KPX T i -18
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KPX T comma -100
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KPX T a -74
KPX T O 18

KPX U period -100
KPX U comma -100
KPX U A -18

KPX V u -75
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KPX semicolon space -37

KPX space quoteleft -37
KPX space quoteparenleft -37
KPX space Y -37
KPX space W -37
KPX space V -37
KPX space T -37
KPX space A -37

KPX v period -75
KPX v comma -75

KPX w period -75
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KPX y period -75
KPX y comma -75
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CC Oacute 2 ; PCC O 0 0 ; PCC acute 283 256 ;
CC Ocircumflex 2 ; PCC O 0 0 ; PCC circumflex 283 256 ;
CC Odieresis 2 ; PCC O 0 0 ; PCC dieresis 283 256 ;
CC Ograve 2 ; PCC O 0 0 ; PCC grave 283 256 ;
CC Otilde 2 ; PCC O 0 0 ; PCC tilde 283 256 ;
CC Scaron 2 ; PCC S 0 0 ; PCC caron 227 256 ;
CC Uacute 2 ; PCC U 0 0 ; PCC acute 301 256 ;
CC UCircumflex 2 ; PCC U 0 0 ; PCC circumflex 301 256 ;
CC Udieresis 2 ; PCC U 0 0 ; PCC dieresis 301 256 ;
CC Ugrave 2 ; PCC U 0 0 ; PCC grave 301 256 ;
CC Yacute 2 ; PCC Y 0 0 ; PCC acute 256 256 ;
CC Ydieresis 2 ; PCC Y 0 0 ; PCC dieresis 236 256 ;
CC Zcaron 2 ; PCC Z 0 0 ; PCC caron 227 256 ;
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CC agrave 2 ; PCC a 0 0 ; PCC grave 121 0 ;
CC aring 2 ; PCC a 0 0 ; PCC ring 121 0 ;
CC atilde 2 ; PCC a 0 0 ; PCC tilde 121 0 ;
CC eacute 2 ; PCC e 0 0 ; PCC acute 56 0 ;
CC edieresis 2 ; PCC e 0 0 ; PCC dieresis 56 0 ;
CC egrave 2 ; PCC e 0 0 ; PCC grave 56 0 ;
CC iacute 2 ; PCC dotlessi 0 0 ; PCC acute 0 0 ;
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CC ntilde 2 ; PCC n 0 0 ; PCC tilde 139 0 ;
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CC ograve 2 ; PCC o 0 0 ; PCC grave 84 0 ;
CC otild 2 ; PCC o 0 0 ; PCC tilde 84 0 ;
CC scaron 2 ; PCC s 0 0 ; PCC caron 56 0 ;
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CC ucircumflex 2 ; PCC u 0 0 ; PCC circumflex 139 0 ;
CC udieresis 2 ; PCC u 0 0 ; PCC dieresis 139 0 ;
CC ugrave 2 ; PCC u 0 0 ; PCC grave 139 0 ;
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UnderlineThickness 50
Version 002.000
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7320
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7326
KPX O Amacron -50
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KPX O Aring -50
KPX O Atilde -50
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KPX O V -50
KPX O W -50
KPX O X -50
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KPX O Ydieresis -70
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KPX Oacute Aring -50
KPX Oacute Atilde -50
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KPX Oacute Tcaron -40
KPX Oacute Tcommaaccent -40
KPX Oacute V -50
KPX Oacute W -50
KPX Oacute X -50
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KPX Y ograve -100
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KPX Yaacute Omacron -70
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KPX Yaacute abreve -90
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KPX Yaacute agrave -90
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283  7356

KPX Ydieresis Ograve -70
KPX Ydieresis Ohungarumlaut -70
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KPX Ydieresis Oslash -70
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KPX Ydieresis eogonek -80
KPX Ydieresis o -100
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KPX aogonek y -20
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KPX b lacute -10
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KPX b udieresis -20
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KPX b umacron -20
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KPX b ydieresis -20
KPX c h -10
KPX d yacute -15
KPX d ydieresis -15
KPX deroat d -10
KPX deroat deroat -10
KPX deroat v -15
KPX deroat w -15
KPX deroat y -15
KPX deroat ydieresis -15
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KPX e y -15
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KPX y egrave -10
KPX y emacron -10
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C 36 ; WX 500 ; N dollar ; B -20 -100 497 733 ;
C 37 ; WX 833 ; N percent ; B 39 -10 793 692 ;
C 38 ; WX 778 ; N ampersand ; B 6 -19 699 682 ;
C 39 ; WX 333 ; N quotation ; B 98 369 302 685 ;
C 40 ; WX 333 ; N parenleft ; B 28 -179 344 685 ;
C 41 ; WX 333 ; N parenright ; B -44 -179 271 685 ;
C 42 ; WX 500 ; N asterisk ; B 65 249 456 685 ;
C 43 ; WX 570 ; N plus ; B 33 0 537 506 ;
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C 45 ; WX 333 ; N hyphen ; B 2 166 271 282 ;
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C 47 ; WX 278 ; N slash ; B -64 -18 342 685 ;
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C 57 ; WX 500 ; N nine ; B -12 -10 475 683 ;
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C 59 ; WX 333 ; N semicolon ; B -25 -183 264 459 ;
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C 61 ; WX 570 ; N equal ; B 33 107 537 399 ;
C 62 ; WX 570 ; N greater ; B 31 -8 539 514 ;
C 63 ; WX 500 ; N question ; B 79 -13 470 684 ;
C 64 ; WX 832 ; N at ; B 63 -18 770 685 ;
C 65 ; WX 667 ; N A ; B -67 0 593 683 ;
C 66 ; WX 667 ; N B ; B -24 0 624 669 ;
C 67 ; WX 667 ; N C ; B 32 -18 677 685 ;
C 68 ; WX 722 ; N D ; B -46 0 685 669 ;
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C 72 ; WX 778 ; N H ; B -24 0 799 669 ;
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C 74 ; WX 500 ; N J ; B -46 -99 524 669 ;
C 75 ; WX 667 ; N K ; B -21 0 702 669 ;
C 76 ; WX 611 ; N L ; B -22 0 590 669 ;
C 77 ; WX 889 ; N M ; B -29 -12 917 669 ;
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KPX A Q -55
KPX A O -50
KPX A G -60
KPX A C -65

KPX B period 0
KPX B comma 0
KPX B U -10
KPX B A -25

KPX D period 0
KPX D comma 0
KPX D Y -50
KPX D W -40
KPX D V -50
KPX D A -25

KPX F r -50
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KPX F a -95
KPX F A -100

KPX G period 0
KPX G comma 0

KPX J u -40
KPX J period -10
KPX J o -40
KPX J e -40
KPX J comma -10
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KPX J A -25

KPX K y -20
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axies.linewidth: 0
axies.prop_cycle: cycler('color', ['4C72B0', '55A868', 'C44E52', '8172B2', 'CCB974', '64B5CD'])
axies.titlesize: 12

figure.facecolor: white
figure.figsize: 8.0, 5.5

font.family: sans-serif
font.sans-serif: Arial, Liberation Sans, DejaVu Sans, Bitstream Vera Sans, sans-serif

grid.color: white
grid.linestyle: -
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image.cmap: Greys
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font.sans-serif: Arial, Liberation Sans, DejaVu Sans, Bitstream Vera Sans, sans-serif
grid.linestyle: -
lines.solid_capstyle: round

# Seaborn dark parameters
axes.grid: False
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axes.edgecolor: white
axes.linewidth: 0
grid.color: white
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xtick.minor.size: 0
ytick.minor.size: 0

# Seaborn poster context
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axes.labelsize: 17.6
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legend.fontsize: 16
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lines.markeredgewidth: 0

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FamilyName ITC Avant Garde Gothic
Weight Demi
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7399
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KPX A G -40
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KPX B A -10
KPX C A -40

KPX D period -20
KPX D comma -20
KPX D Y -45
KPX D W -25
KPX D V -50
KPX D A -50

KPX F period -129
KPX F e -20
KPX F comma -162
KPX F a -20
KPX F A -75

KPX G period -20
KPX G comma -20
KPX G Y -15

KPX J period -15
KPX J a -20
KPX J A -30

KPX K y -20
KPX K u -15
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283  7414
UnderlineThickness 50
Version 001.005
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XHeight 471
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Descender -258
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C 69 ; WX 611 ; N E ; B 39 -4 577 681 ;

Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7422
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7425
StartKernPairs 101

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KPX A space -18
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KPX A Y -111
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KPX A V -129
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KPX F period -111
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KPX L y -74
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KPX P A -74

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KPX T y -90
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#Author: Cameron Davidson-Pilon, replicated styles from FiveThirtyEight.com
# See https://www.dataorigami.net/blogs/fivethirtyeight-mpl

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legend.fancybox: true

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1) BaKoMa-CM (1.1/12-Nov-94)
   Computer Modern Fonts in PostScript Type 1 and TrueType font formats.

2) BaKoMa-AMS (1.2/19-Jan-95)
   AMS TeX fonts in PostScript Type 1 and TrueType font formats.

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IHEP, OMVT
Moscow Region
142281 PROTVIN
RUSSIA

E-Mail: bakoma@mail.ru
ormalyshev@mail.ihep.ru

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Open Source Used in DNAC Frost Platform Maglev 1.7.0 1.7.283 7472
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283  7473
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7489
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7501

KPX A y 20
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KPX A V -40
KPX A T -17

KPX F period -105
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 KPX L y 62
 KPX L Y -5
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 KPX P period -105
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 KPX R V -8
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 KPX T y 56
 KPX T w 69
 KPX T u 42
 KPX T semicolon 31
 KPX T s -1
 KPX T r 41
 KPX T period -107
 KPX T o -5
 KPX T i 42
 KPX T hyphen -20
 KPX T e -10
 KPX T comma -100
 KPX T colon 26
 KPX T c -8
 KPX T a -8
 KPX T A -42

 KPX V y 17
 KPX V u -1
 KPX V semicolon -22
 KPX V r 2
 KPX V period -115
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 KPX V hyphen -20
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 KPX V colon -28
 KPX V a -50
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7506
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7509
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KPX W e -20
KPX W comma -40
KPX W a -20
KPX W O 10

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KPX b period -30
KPX b l -20
KPX b comma -20
KPX b b -20
KPX c k -10

KPX comma quoteright -70
KPX comma quotedblright -70

KPX d w -20
KPX d v -10
KPX d d -40

KPX e y 10
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KPX f e -10
KPX f comma -40
KPX f a -20

KPX g y 10
KPX g period -30
KPX g i 10
KPX g e 10
KPX g comma -20
KPX g a 10

KPX k y 10
KPX k o -10
KPX k e -20
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283  7516
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7518
KPX Q comma -25
KPX S period -37
KPX S comma -37
KPX T semicolon -37
KPX T period -125
KPX T o -55
KPX T hyphen -100
KPX T e -55
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KPX V semicolon -75
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 7527
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KPX T r -30
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KPX T O -30
KPX T A -45

KPX U period -20
KPX U comma -20
KPX U A -40

KPX V u -40
KPX V semicolon -33
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KPX V A -102

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CC Otilde 2 ; PCC O 0 0 ; PCC tilde 245 163 ;
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CC adieresis 2 ; PCC a 0 0 ; PCC dieresis 157 0 ;
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CC atilde 2 ; PCC a 0 0 ; PCC tilde 122 0 ;
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CC iacute 2 ; PCC dotlessi 0 0 ; PCC acute -47 0 ;
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axes.linewidth: 0
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#!/usr/bin/env fontforge
i=1
while ( i<$argc )
    Open($argv[i])
    Generate($argv[i]:r + ".ttf")
    i = i+1
endloop
```

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24 May 2010

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Comment Creation Date:Mon Jan 11 16:46:06 PST 1988
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EncodingScheme AdobeStandardEncoding
FullName Helvetica Light
FamilyName Helvetica
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FontName CMR10
EncodingScheme FontSpecific
FullName CMR10
FamilyName Computer Modern
Weight Medium
ItalicAngle 0.0
IsFixedPitch false
Version 1.00B
Notice Copyright (c) 1997 American Mathematical Society. All Rights Reserved.
Comment Computer Modern fonts were designed by Donald E. Knuth
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XHeight 430.556
Ascender 694.444
Descender -194.444
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1.557 is-odd 2.0.0

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1.558 vega-hierarchy 3.1.0

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1.559 py3-setuptools 47.0.0-r0

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1.560 secretstorage 2.3.1

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1.561 mime 1.3.4

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1.562 ms 0.7.1

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1.563 restlet-ext-spring 1.1.1

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* /opt/cola/permits/1124846665_1622639655.03/0/org-restlet-1-1-1-jar/org/restlet/Component.xsd

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1.564 libmagic-mgc 1:5.35-4
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1.565 vim-tiny 2:8.0.1453-1ubuntu1.4

1.566 libmodule-signature-perl 0.73-1+deb8u2
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1.567 jackson-databind 2.8.11.3

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1.568 monotonic 0.6

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

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1.574 npm 3.9.3

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1.576 jmxtrans-output-kafka 267
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Initialize empty image
f1e9645d0c14efd7c7d8a322685f26eb bsd.img
Create new DOS partition table
57c721e38d1266c26055067c18f2cf9 bsd.img

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

Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

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

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

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

Create 2st primary partition
1bebf87248e05d6e4e62749da65d023 bsd.img
Set 2nd partition type
2d8e8df51a88a045db23418dd73fbd.img

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

Device Boot Start End Sectors Size Id Type
<removed>1 2048 4095 2048 1M 83 Linux
Create default BSD
2e1cee529cb59e9341afe0443f1966a bsd.img

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

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

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

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):

---layout-------

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

---layout-------
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: bsd

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

Partition table entries are not in disk order.
Command (m for help): Leaving nested disklabel.

Command (m for help):

-------------------
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

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

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

Command (m for help):
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1.582 js-tokens 4.0.0

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1.583 ajv 5.2.3
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bcprov-jdk15on 1.61

ps-tree 0.0.3

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1.586 uuid-dev 2.33.1-0.1

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vis.c in libbroken

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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

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>
@author Paulo Barreto <paulo.barreto@terra.com.br>

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kdc/announce.c

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@heading Richard Outerbridge

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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Windows support

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1.589 type-is 1.6.13
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---

abstract: 'Simplified interface to Log::Message'
author:
- Jos Boumans <kane[at]cpan.org>
build_requires:
  ExtUtils::MakeMaker: 0
configure_requires:
  ExtUtils::MakeMaker: 0
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 6.64, CPAN::Meta::Converter version 2.120921'
license: perl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Log-Message-Simple
no_index:
directory:
  - t
  - inc
requires:
  Carp: 0
  Log::Message: 0
  Test::More: 0
  if: 0
resources:
  repository: git://github.com/jib/log-message-simple.git
version: 0.10

Found in path(s):
* /opt/cola/permits/1136857608_1613950658.61/0/liblog-message-simple-perl-0-10-orig-1-tar-gz/Log-Message-Simple-0.10/META.yml

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This is the README file for Log::Message::Simple, a simplified frontend to Log::Message (a small and powerful generic message logging module)

Please type "perldoc Log::Message::Simple" after installation to see the module usage information.

#################################################
* Description

Log::Message::Simple

This module is a simplified frontend to Log::Message, offering
most common use for logging, and easy access to the stack (in
both raw and pretty-printable form).

See the Log::Message::Simple manpage, and the Log::Message
module for details.

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

* Installation

Log::Message uses the standard perl module install process:

perl Makefile.PL
make
test
make install

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

AUTHOR

This module by Jos Boumans <kane@cpan.org>.

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Simple-0.10/README

1.591 guava 19.0

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* /opt/cola/permits/115090999_1617718347.03/0/guava-19.0-sources-5.jar/com/google/common/hash/BloomFilterStrategies.java
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* /opt/cola/permits/115090999_1617718347.03/0/guava-19.0-sources-5.jar/com/google/common/collect/RegularImmutableMultiset.java
* /opt/cola/permits/115090999_1617718347.03/0/guava-19.0-sources-5.jar/com/google/common/collect/EmptyContiguousSet.java
* /opt/cola/permits/115090999_1617718347.03/0/guava-19.0-sources-5.jar/com/google/common/hash/Funnels.java
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* /opt/cola/permits/115090999_1617718347.03/0/guava-19.0-sources-5.jar/com/google/common/hash/Funnel.java
* /opt/cola/permits/115090999_1617718347.03/0/guava-19.0-sources-5.jar/com/google/common/collect/DescendingImmutableSortedMultiset.java
* /opt/cola/permits/115090999_1617718347.03/0/guava-19.0-sources-5.jar/com/google/common/collect/TreeRangeSet.java
* /opt/cola/permits/115090999_1617718347.03/0/guava-19.0-sources-5.jar/com/google/common/hash/AbstractStreamingHashFunction.java
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* /opt/cola/permits/115090999_1617718347.03/0/guava-19.0-sources-5.jar/com/google/common/collect/TreeRangeSet.java
* /opt/cola/permits/115090999_1617718347.03/0/guava-19.0-sources-5.jar/com/google/common/hash/Murmur3_32HashFunction.java
* /opt/cola/permits/115090999_1617718347.03/0/guava-19.0-sources-5.jar/com/google/common/collect/TreeRangeSet.java
* /opt/cola/permits/115090999_1617718347.03/0/guava-19.0-sources-5.jar/com/google/common/hash/Hasher.java
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* /opt/cola/permits/115090999_1617718347.03/0/guava-19.0-sources-5.jar/com/google/common/HashingOutputMessage.java
* /opt/cola/permits/115090999_1617718347.03/0/guava-19.0-sources-5.jar/com/google/common/hash/HashingOutputStream.java
* /opt/cola/permits/115090999_1617718347.03/0/guava-19.0-sources-5.jar/com/google/common/HashingOutputMessage.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/SortedMultiset.java

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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/io/ByteSource.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/AbstractMultimap.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/AllEqualOrdering.java
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jar/com/google/common/io/OutputSupplier.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/ArrayListMultimap.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/AbstractMapEntry.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/Suppliers.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/io/CharStreams.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/LinkedListMultimap.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/LinkedHashMultiset.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/eventbus/Subscribe.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/TreeMultiset.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/ContiguousSet.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/SortedLists.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/HashBiMap.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/Preconditions.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/net/HostSpecifier.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/io/LineProcessor.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/io/ByteProcessor.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/Splitter.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ImmutableTable.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ImmutableSetMultimap.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/escape/ArrayBasedUnicodeEscaper.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5.jar/com/google/common/collect/CartesianList.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5.jar/com/google/common/collect/ImmutableRangeMap.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5.jar/com/google/common/collect/ImmutableRangeSet.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5.jar/com/google/common/hash/SipHashFunction.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5.jar/com/google/common/collect/FilteredKeyMultimap.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5.jar/com/google/common/io/BaseEncoding.java

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  jar/com/google/common/util/concurrent/MoreExecutors.java
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  jar/com/google/common/math/MathPreconditions.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
  jar/com/google/common/cache/Weigher.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/io/PatternFilenameFilter.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/escape/CharEscaperBuilder.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/io/AppendableWriter.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/annotations/VisibleForTesting.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/AggregateFuture.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/Futures.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/FakeTimeLimiter.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/CollectionFuture.java

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* As of 2010/06/11, this method is identical to the (package private) hash
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
  jar/com/google/common/util/concurrent/Striped.java
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  jar/com/google/common/reflect/TypeVisitor.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
  jar/com/google/common/collect/MultimapBuilder.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
  jar/com/google/common/util/concurrent/WrappingScheduledExecutorService.java
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  jar/com/google/common/util/concurrent/AtomicDoubleArray.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
  jar/com/google/common/cache/Striped64.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
  jar/com/google/common/cache/LongAdder.java
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jar/com/google/common/util/concurrent/AggregateFutureState.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/util/concurrent/InterruptibleTask.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/hash/package-info.java

### 1.592 python3-pyasn1-modules 0.2.1-0.2

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1.595 liburcu6 0.10.1-1ubuntu1

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Mathieu Desnoyers
May 13th, 2009

IBM Corporation allowed LGPLv2.1+ licensing of their contribution to the
userspace RCU library in a patch submitted on May 8, 2009 from Paul E.
McKenney and reviewed by Steven L. Bennett:


I (Mathieu Desnoyers) re-implemented ACCESS_ONCE(), likely(), unlikely() and
barrier() from scratch without reference to the original code.

commit id : 2dc5fa0f7cfeb0a64a7a67b39626650e863f16a

Bert Wesarg <bert.wesarg@googlemail.com> approved LGPL relicensing of his
patch in an email dated May 13, 2009:

http://lkml.org/lkml/2009/5/13/16

xchg() primitives has been rewritten from a MIT-licensed cmpxchg for Intel
and powerpc. They are MIT-licensed and therefore usable in LGPL code.
This cmpxchg code was obtained from the atomic_ops project:

http://www.hpl.hp.com/research/linux/atomic_ops/

I (Mathieu Desnoyers) wrote the remainder of the code.

The license for the library files in this project was therefore changed to
LGPLv2.1 on May 13, 2009, as detailed in LICENSE.

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Version 2.1, February 1999

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cmd/krb5/kproplog/kproplog.c
cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
lib/krb5/kdb/kdb_log.h
lib/libgss/g_accept_sec_context.c
lib/libgss/g_acquire_cred.c
lib/libgss/g_canon_name.c
lib/libgss/g_compare_name.c
lib/libgss/g_context_time.c
lib/libgss/g_delete_sec_context.c
lib/libgss/g_dsp_name.c
lib/libgss/g_dsp_status.c
lib/libgss/g_dup_name.c
lib/libgss/g_exp_sec_context.c
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"src/lib/gssapi", including the following files:

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

and the initial implementation of incremental propagation, including
the following new or changed files:
include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kproplog.c

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

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_initializer.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
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* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/event/request/Progress.java
* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/event/ProgressTracker.java
* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/internal/SdkSocket.java
* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/event/RequestProgressInputStream.java
* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/internal/FIFOCache.java
* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/event/DeliveryMode.java
* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/event/ProgressEventFilter.java
* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/auth/profile/internal/Profile.java
* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/event/ProgressInputStream.java
* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/auth/profile/internal/securitytoken/STSPProfileCredentialsServiceProvider.java
* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/auth/profile/internal/securitytoken/ProfileCredentialsService.java
* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/auth/profile/ProfilesConfigFileWriter.java
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* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/internal/CRC32MismatchException.java
* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/internal/CustomBackoffStrategy.java
* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/auth/AWSCredentialsProviderChain.java
* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/auth/DefaultAWSCredentialsProviderChain.java
* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/auth/SystemPropertiesCredentialsProvider.java
* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/auth/EnvironmentVariableCredentialsProvider.java
* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/auth/InstanceProfileCredentialsProvider.java
* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/util/AwsHostNameUtils.java

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* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/util/NameValuePair.java
* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/util/BasicNameValuePair.java
* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/annotation/ThreadSafe.java
* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/annotation/Immutable.java
* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/annotation/GuardedBy.java

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* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/auth/EC2CredentialsFetcher.java
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* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/internal/ConnectionUtils.java
* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/retry/internal/CredentialsEndpointRetryParameters.java

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* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/adapters/types/StringToInputStreamAdapter.java
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* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/internal/auth/DefaultSignerProvider.java
* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/adapters/types/TypeAdapter.java
* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/util/MetadataCache.java

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  jar/com/amazonaws/http/timers/request/HttpRequestAbortTaskTrackerImpl.java
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  jar/com/amazonaws/http/settings/HttpClientSettings.java
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  jar/com/amazonaws/http/timers/client/ClientExecutionAbortTrackerTaskImpl.java
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  jar/com/amazonaws/DnsResolver.java
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jar/com/amazonaws/internal/SdkMetricsSocket.java
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* /opt/cola/permits/1176280403_1624665981.20/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/waiters/SdkFunction.java
* /opt/cola/permits/1176280403_1624665981.20/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/metrics/ByteThroughputHelper.java
* /opt/cola/permits/1176280403_1624665981.20/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/event/ProgressEventType.java
* /opt/cola/permits/1176280403_1624665981.20/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/metrics/RequestMetricCollector.java
* /opt/cola/permits/1176280403_1624665981.20/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/waiters/HttpSuccessStatusAcceptor.java
* /opt/cola/permits/1176280403_1624665981.20/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/auth/Signer.java
* /opt/cola/permits/1176280403_1624665981.20/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/handlers/CredentialsRequestHandler.java
* /opt/cola/permits/1176280403_1624665981.20/aws-java-sdk-core-1-11-69-sources-jar/com/amazonaws/auth/Signer.java
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    jar/com/amazonaws/partitions/PartitionMetadataProvider.java
  * /opt/cola/permits/1176280403_1624665981.20/aws-java-sdk-core-1-11-69-sources-
    jar/com/amazonaws/protocol/json/SdkIonGenerator.java
  * /opt/cola/permits/1176280403_1624665981.20/aws-java-sdk-core-1-11-69-sources-
    jar/com/amazonaws/regions/AbstractRegionMetadataProvider.java
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  * /opt/cola/permits/1176280403_1624665981.20/aws-java-sdk-core-1-11-69-sources-
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* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-
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* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-
jar/com/amazonaws/regions/LegacyRegionXmlLoadUtils.java
* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-
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jar/com/amazonaws/partitions/model/Region.java
* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-
jar/com/amazonaws/protocol/json/SdkStructuredIonFactory.java
* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-
jar/com/amazonaws/partitions/model/PartitionsLoader.java
* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-
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jar/com/amazonaws/partitions/model/Service.java
* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-
jar/com/amazonaws/regions/RegionMetadataProvider.java
* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-
jar/com/amazonaws/partitions/model/Partition.java

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* /opt/cola/permits/1176280403_1624665981.2/0/aws-java-sdk-core-1-11-69-sources-
1.607 zipkin-collector-scribe 1.20.1

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1.608 available-typed-arrays 1.0.2

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1.609 commander 2.19.0

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1.610 jline.jline 0.9.94

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* /opt/cola/permits/1175933465_1627547215.61/0/jline-0-9-94-sources-jar/jline/ANSIBuffer.java
* /opt/cola/permits/1175933465_1627547215.61/0/jline-0-9-94-sources-jar/jline/Completor.java
* /opt/cola/permits/1175933465_1627547215.61/0/jline-0-9-94-sources-jar/jline/ConsoleReader.java
* /opt/cola/permits/1175933465_1627547215.61/0/jline-0-9-94-sources-jar/jline/MultiCompletor.java
* /opt/cola/permits/1175933465_1627547215.61/0/jline-0-9-94-sources-jar/jline/SimpleCompletor.java
* /opt/cola/permits/1175933465_1627547215.61/0/jline-0-9-94-sources-jar/jline/Terminal.java
* /opt/cola/permits/1175933465_1627547215.61/0/jline-0-9-94-sources-jar/jline/CandidateCycleCompletionHandler.java
* /opt/cola/permits/1175933465_1627547215.61/0/jline-0-9-94-sources-jar/jline/ArgumentCompletor.java
* /opt/cola/permits/1175933465_1627547215.61/0/jline-0-9-94-sources-jar/jline/CursorBuffer.java
* /opt/cola/permits/1175933465_1627547215.61/0/jline-0-9-94-sources-jar/jline/WindowsTerminal.java
* /opt/cola/permits/1175933465_1627547215.61/0/jline-0-9-94-sources-jar/jline/ClassNameCompletor.java
* /opt/cola/permits/1175933465_1627547215.61/0/jline-0-9-94-sources-jar/jline/CandidateListCompletionHandler.java
* /opt/cola/permits/1175933465_1627547215.61/0/jline-0-9-94-sources-jar/jline/History.java
* /opt/cola/permits/1175933465_1627547215.61/0/jline-0-9-94-sources-jar/jline/UnixTerminal.java
* /opt/cola/permits/1175933465_1627547215.61/0/jline-0-9-94-sources-jar/jline/UnsupportedTerminal.java
* /opt/cola/permits/1175933465_1627547215.61/0/jline-0-9-94-sources-jar/jline/ConsoleReaderInputStream.java
* /opt/cola/permits/1175933465_1627547215.61/0/jline-0-9-94-sources-jar/jline/CompletionHandler.java
* /opt/cola/permits/1175933465_1627547215.61/0/jline-0-9-94-sources-jar/jline/ConsoleRunner.java
* /opt/cola/permits/1175933465_1627547215.61/0/jline-0-9-94-sources-jar/jline/NullCompletor.java
* /opt/cola/permits/1175933465_1627547215.61/0/jline-0-9-94-sources-jar/jline/FileNameCompletor.java
* /opt/cola/permits/1175933465_1627547215.61/0/jline-0-9-94-sources-jar/jline/ConsoleOperations.java

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1.611 split-string 3.1.0
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1.615 @webassemblyjs/helper-fsm 1.7.10
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* /opt/cola/permits/1124854270_1611186357.54/0/bcpg-jdk15on-1-61-sources-2.jar/org/bouncycastle/apache/bzip2/CRC.java
* /opt/cola/permits/1124854270_1611186357.54/0/bcpg-jdk15on-1-61-sources-2.jar/org/bouncycastle/apache/bzip2/BZip2Constants.java
* /opt/cola/permits/1124854270_1611186357.54/0/bcpg-jdk15on-1-61-sources-2.jar/org/bouncycastle/apache/bzip2/CBZip2OutputStream.java

1.617 maglev-common 1.6.18

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Metadata-Version: 2.0
Name: maglev-common
Version: 1.6.18
Summary: Maglev Common (1.6.18)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: PyYAML (==3.12)
Requires-Dist: dnspython (==1.16.0)
Requires-Dist: ipcalc (==1.99.0)
Requires-Dist: kubernetes (==10.0.0)
Requires-Dist: maglev-api (==1.6.0)
Requires-Dist: maglev-appserver (==1.7.0)
Requires-Dist: monotonic (==1.1)
Requires-Dist: pykube (==0.15.0)
Requires-Dist: python-etcd (==0.4.5)
Requires-Dist: requests (==2.20.1)
Requires-Dist: rsa (==4.6)
# Installation
+ Requires: Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

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* /opt/cola/permits/1145602876_1616451267.34/0/maglev-common-1.6.18-dist-info-
zip/inputdir/packages_extracted/targz/1/packages_extracted/3/packages_extracted/3/packages_extracted/66/maglev_ 
common-1.6.18.dist-info/METADATA

1.618 libruby2.5 2.5.1-1ubuntu1.9

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include/ruby/onigmo.h:
include/ruby/oniguruma.h:
regcomp.c:
regenc.[ch]:
regerror.c:
regexec.c:
regint.h:
regparse.[ch]:
enc/ascii.c
enc/big5.c
enc/cp949.c
enc/emacs_mule.c
enc/encdb.c
enc/euc_jp.c
enc/euc_kr.c
enc/euc_tw.c
enc/gb18030.c
enc/gb2312.c
enc/gbk.c
enc/iso_8859_1.c
enc/iso_8859_10.c
enc/iso_8859_11.c
enc/iso_8859_13.c
enc/iso_8859_14.c
enc/iso_8859_15.c
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enc/iso_8859_4.c
enc/iso_8859_5.c
enc/iso_8859_6.c
enc/iso_8859_7.c
enc/iso_8859_8.c
enc/iso_8859_9.c
enc/koi8_r.c
enc/koi8_u.c
enc/shift_jis.c
enc/unicode.c
enc/us_ascii.c
enc/utf_16be.c
enc/utf_16le.c
enc/utf_32be.c
enc/utf_32le.c
enc/utf_8.c
enc/windows_1251.c
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tables/JIS/JISX0213-2%UCS@BMP.src:
tables/JIS/JISX0213-2%UCS@SIP.src:

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enc/trans/JIS/UCS@BMP%JISX0213-2.src:
enc/trans/JIS/UCS@SIP%JISX0213-1.src:
enc/trans/JIS/UCS@SIP%JISX0213-2.src:

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random.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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vm_dump.c:procstat_vm

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strftime.c:
include/ruby/st.h:
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missing/alloca.c:
missing/dup2.c:
missing/erf.c:
missing/finite.c:
missing/hypot.c:
missing/isinf.c:
missing/isnan.c:
missing/lgamma_r.c:
missing/memcmp.c:
missing/memmove.c:
missing/strchr.c:
missing/strerror.c:
missing/strstr.c:
missing/tgamma.c:
ext/date/date_strftime.c:
ext/digest/sha1/sha1.[ch]:
ext/sdbm/_sdbm.c:
ext/sdbm/sdbm.h:

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missing/strlcat.c
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ext/nkf/nkf-utf8/nkf.c:

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1.

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(a)

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4.
5.

6. = Contributors to Ruby

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  * complex.rb (1.8)
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  * forwardable.rb
  * irb
  * mathn
  * matrix.rb
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  * shell/*
  * thwait.rb
  * tracer.rb

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  * missing/lgamma_r.c
  * missing/tgamma.c
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* a patch for open-uri.

Kent Sibley
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. (technorama)
* 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)  
* committer

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
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

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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1.619 ignore-walk 3.0.0
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1.620 is-typed-array 1.1.5
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1.623 color-string 1.5.2
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1.624 babel-plugin-transform-typescript 7.3.2
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1.625 maglev-api 1.5.3

1.625.1 Available under license:

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```
Metadata-Version: 2.0
Name: maglev-api
Version: 1.5.3
Summary: Maglev API (1.5.3)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: PyYAML (==3.12)
Requires-Dist: monotonic (==1.1)
Requires-Dist: requests (==2.13.0)

# Installation
+ Requires : Python 3.5 download the dmg and install, use pyenv to create a virtual environment

Found in path(s):
* /opt/cola/permits/1148474041_1626419067.41/0/maglev-api-1-5-3-dist-info-
zip/inputdir/packages_extracted/targz/1/packages_extracted/1/packages_extracted/1/packages_extracted/53/maglev_api-1.5.3.dist-info/METADATA
```

1.626 elastic-foo 1.0.0

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* "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY
* KIND, either express or implied. See the License for the
* specific language governing permissions and limitations
* under the License.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1022263412_1596474469.4/0/foo-zip/foo/src/index.js

1.627 manpages-dev 4.04 2
1.627.1 Available under license:

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Upstream-Name: man-pages
Upstream-Contact: Michael Kerrisk <mtk.manpages@gmail.com>, linux-man@vger.kernel.org
Source: https://www.kernel.org/pub/linux/docs/man-pages/

Files: Changes Changes.old Makefile README *Announce *1sm
       proj.man-pages.desc proj.man-pages.pages
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Files: man3/CIRCLEQ_ENTRY.3 man3/CIRCLEQ_HEAD.3 man3/CIRCLEQ_INIT.3
man3/CIRCLEQ_INSERT_AFTER.3 man3/CIRCLEQ_INSERT_BEFORE.3
man3/CIRCLEQ_INSERT_HEAD.3 man3/CIRCLEQ_INSERT_TAIL.3
man3/CIRCLEQ_REMOVE.3 man3/LIST_EMPTY.3 man3/LIST_ENTRY.3
man3/LIST_FIRST.3 man3/LIST_FOREACH.3 man3/LIST_HEAD.3
man3/LIST_HEAD_INITIALIZER.3 man3/LIST_INIT.3
man3/LIST_INSERT_AFTER.3 man3/LIST_INSERT_BEFORE.3
man3/LIST_INSERT_HEAD.3 man3/LIST_INSERT_TAIL.3
man3/LIST_REMOVE.3
man3/SLIST_EMPTY.3 man3/SLIST_ENTRY.3 man3/SLIST_FIRST.3
man3/SLIST_FOREACH.3 man3/SLIST_HEAD.3 man3/SLIST_HEAD_INITIALIZER.3
man3/SLIST_INSERT_AFTER.3 man3/SLIST_INSERT_BEFORE.3
man3/SLIST_INSERT_HEAD.3 man3/SLIST_INSERT_TAIL.3
man3/SLIST_REMOVE.3
man3/STAILQ_CONCAT.3 man3/STAILQEMPTY.3 man3/STAILQ_ENTRY.3
man3/STAILQ_HEAD_INITIALIZER.3 man3/STAILQ_INIT.3
man3/STAILQ_INSERT_AFTER.3 man3/STAILQ_INSERT_HEAD.3
man3/STAILQ_INSERT_TAIL.3 man3/STAILQ_NEXT.3 man3/STAILQ_REMOVE.3
man3/STAILQ_REMOVE_HEAD.3 man3/TAILQ_CONCAT.3 man3/TAILQEMPTY.3
man3/TAILQ_ENTRY.3 man3/TAILQ_FIRST.3 man3/TAILQ_FOREACH.3
man3/TAILQ_FOREACH_REVERSE.3 man3/TAILQ_HEAD.3
man3/TAILQ_HEAD_INITIALIZER.3 man3/TAILQ_INIT.3
man3/TAILQ_INSERT_AFTER.3 man3/TAILQ_INSERT_BEFORE.3
man3/TAILQ_INSERT_HEAD.3 man3/TAILQ_INSERT_TAIL.3 man3/TAILQ_LAST.3
man3/TAILQ_NEXT.3 man3/TAILQ_PREV.3 man3/TAILQ_REMOVE.3
man3/TAILQ_SWAP.3 man3/forkpty.3 man3/getloadavg.3 man3/login_tty.3
man3/opentty.3 man3/queue.3 man7/operator.7 man7/symlink.7

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Files: man2/accept.2 man2/accept4.2 man2/ftruncate.2 man2/ftruncate64.2
man2/getpeername.2 man2/getpgid.2 man2/getpgrp.2 man2/getpriority.2
man2/getsockname.2 man2/getsockopt.2 man2/ioct1.2 man2/killpg.2
man2/listen.2 man2/lseek.2 man2/readlink.2 man2/readlinkat.2
man2/recv.2 man2/recvfrom.2 man2/recvmsg.2 man2/send.2 man2/sendmsg.2
man2/sendto.2 man2/setpgid.2 man2/setpgrp.2 man2/setpriority.2
man2/setregid.2 man2/setregid32.2 man2/setreuid.2 man2/setreuid32.2
man2/setsockopt.2 man2/shutdown.2 man2/socket.2 man2/socketpair.2
man2/syscall.2 man2/truncate.2 man2/truncate64.2 man3/alloca.3
man3/auth_destroy.3 man3/authnone_create.3 man3/authunix_create.3
man3/authunix_create_default.3 man3/btree.3 man3/callrpc.3
man3/clearerr.3 man3/clnt_broadcast.3 man3/clnt_call.3
man3/clnt_control.3 man3/clnt_create.3 man3/clnt_destroy.3
man3/clnt_freeres.3 man3/clnt_geterr.3 man3/clnt_pcreateerror.3
man3/clnt_perrno.3 man3/clnt_perror.3 man3/clnt_spcreateerror.3
man3/clnt_sperrno.3 man3/clnt_sperror.3 man3/clntraw_create.3
man3/clnttcp_create.3 man3/clntudp_bufcreate.3 man3/clntudp_create.3
man3/daemon.3 man3/db.3 man3/dbopen.3 man3/endrpcent.3 man3/err.3
man3/errx.3 man3/exec.3 man3/execel.3 man3/execl.3 man3/execlp.3
man3/execv.3 man3/execvp.3 man3/execve.3 man3/fclose.3 man3/fdopen.3
man3/ferror.3 man3/flush.3 man3/fgetpos.3 man3/fileno.3
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man3/fwrit.3 man3/get_myaddress.3 man3/getrpcbyname.3
man3/getrpcbynumber.3 man3/getrpcport.3 man3/hash.3
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man3/pmap_getmaps.3 man3/pmap_getport.3 man3/pmap_rmtcall.3
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man3/rpmd.3 man3/reco.3 man3/registerrpc.3 man3/rewind.3
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man3/setbuf.3 man3/setbuffer.3 man3/setlinebuf.3 man3/setptpcent.3
man3/setvbuf.3 man3/sscanf.3 man3/stdarg.3 man3/stdarg.3 man3/strtol.3
man3/strtof.3 man3/strtof.3 man3/svc_destroy.3 man3/svc_freeargs.3
man3/svc_getargs.3 man3/svc_getcaller.3 man3/svc_getreq.3
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man3/xdr_accepted_reply.3 man3/xdr_array.3 man3/xdr_authunix_parms.3
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man3/xdr_pmaplist.3 man3/xdr_pointer.3 man3/xdr_reference.3
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man3/atoll.3 man3/atoi.3 man3/basename.3 man3/bcmp.3 man3/bcopy.3
man3/be16toh.3 man3/be32toh.3 man3/be64toh.3 man3/bindresvport.3
man3/bsd_signal.3 man3/bsearch.3 man3/bstring.3 man3/byteorder.3
man3/bzero.3 man3/calloc.3 man3/canonicalize_file_name.3
man3/catclose.3 man3/catgets.3 man3/catopen.3 man3/cbrt.3
man3/cbrtf.3 man3/cbrtl.3 man3/ceil.3 man3/ceilf.3 man3/ceill.3
man3/clearenv.3 man3/clearr__unlocked.3 man3/clock.3
man3/clock_getcpuclockid.3 man3/clock_getres.3 man3/clock_gettime.3
man3/clock_settime.3 man3/closelog.3 man3/cmsg.3
man3/confstr.3 man3/copysign.3 man3/copysignf.3 man3/copysignl.3
man3/cos.3 man3/cosf.3 man3/cosh.3 man3/coshf.3 man3/coshl.3
man3/cosl.3 man3/ctermid.3 man3/ctime.3 man3/ctime_r.3 man3/cuserid.3
man3/daylight.3 man3/difftime.3 man3/dirfd.3 man3/dirname.3
man3/div.3 man3/dl_iterate_phdr.3 man3/dladdr.3 man3/dladdr1.3
man3/dlinfo.3 man3/dn_comp.3 man3/dn_expand.3 man3/drand48.3
man3/drand48_r.3 man3/drem.3 man3/dremf.3 man3/dreml.3
man3/duplocale.3 man3/dysize.3 man3/eaccess.3 man3/ecvt.3
man3/ecvt_r.3 man3/edata.3 man3/end.3 man3/endfsent.3 man3/endgrent.3
man3/endhostent.3 man3/endian.3 man3/endmntent.3 man3/endnetent.3
man3/endprotoent.3 man3/endpwent.3 man3/enduserdir.3
man3/endusershell.3 man3/erand48.3 man3/erand48_r.3 man3/erf.3
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man3/etext.3 man3/ether_aton.3 man3/ether_aton_r.3
man3/ether_hoston.3 man3/ether_line.3 man3/ether_ntoa.3
man3/ether_ntoa_r.3 man3/ether_ntohost.3 man3/euidaccess.3
man3/exit.3 man3/exp.3 man3/exp10.3 man3/exp10f.3 man3/exp10l.3
man3/exp2.3 man3/exp2f.3 man3/exp2l.3 man3/expf.3 man3/expl.3
man3/expm1.3 man3/expm1f.3 man3/expm1l.3 man3/fabs.3 man3/fabsf.3
man3/fabsl.3 man3/fcloseall.3 man3/fcvt.3 man3/fcvt_r.3
man3/fdopendir.3 man3/feof_unlocked.3 man3/fclose_unlocked.3
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man3/fmodl.3 man3/fnmatch.3 man3/fopencookie.3 man3/fpathconf.3
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man3/gai_cancels.3 man3/gai_error.3 man3/gai_strerror.3
man3/gai_strerror.3 man3/gai_strerror.3
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Non Maintainer Upload of this Package
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If you plan to work on an NMU for this package, read the following closely. It can save you and me some grief.
1. At first, contact the maintainer (i.e. send a mail to joey@debian.org, do not cc or bounce a mail, send a plain mail, not copied to any mailing list or the BTS) and ask about the status of the bug you are considering to work on.

2. In this mail include all information relevant for this problem, i.e. include a description of the bug and not only its bug number.

3. If the maintainer is not able or willing to fix the problem or does not respond within four days, continue with step 4.

4. Work on the bug and prepare a patch. Do not upload into the Debian archive.

5. Send the entire patch, together with enough explanations, to the maintainer for reviewing and ask him for permission of an NMU using this patch.

6. IF AND ONLY IF the maintainer approves the patch (or doesn't respond within four days), upload the NMU to the incoming directory and send the patch to the BTS. If the NMU is not approved, go back to 4. or add the NMU to your homepage, but do not upload it to the Debian archive.

7. Properly sized and well-written patches sent to the BTS are always appreciated, even if they are rejected later. They demonstrate a potential solution which could probably improved into a real solution.

8. NEVER change the way a package is maintained in an NMU, i.e. don't remove dh_* stuff or switch to dh_* respectively. This rule applies to all NMU's, not only to an NMU for this package.

These rules always apply. They even apply if somebody declares NMUs as ok and reduces regular NMU rules to a delay of zero days. Unless I'm on vacation or on a show I am reachable via mail, so there is hardly a reason not to contact me.

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#!/usr/bin/python3
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#
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import re
import sys
import textwrap
from pathlib import Path

# The standard short names in Debian are defined here:
# https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/

license_information = [
    {
        'shortname': 'BSD-3-clause',
        'filename': 'BSD-3-clause-UCB',
        'upstream_names': ['BSD_3_CLAUSE_UCB'],
    },
    {
        'shortname': 'BSD-4-clause',
        'filename': 'BSD-4-clause-UCB',
        'upstream_names': ['BSD_4_CLAUSE_UCB', 'BSD_ONELINE_CDROM'],
    },]
{  
'shortname': 'Expat',  
'filename': 'Expat',  
'upstream_names': ['PERMISSIVE_MISC', 'MIT']},

{  
'shortname': 'freely-redistributable',  
'filename': 'freely-redistributable',  
'upstream_names': ['FREELY_REDISTRIBUTABLE']},

{  
'shortname': 'GPL-2',  
'filename': 'GPL-2',  
'upstream_names': ['GPLv2_MISC', 'GPLv2_ONELINE']},

{  
'shortname': 'GPL-2+',  
'filename': 'GPL-2+',  
'upstream_names': ['GPLv2+_DOC_FULL', 'GPLv2+_DOC_MISC',  
'GPLv2+_DOC_ONEPARA', 'GPLv2+_SW_3_PARA',  
'GPLv2+_SW_ONEPARA']},

{  
'shortname': 'henry-spencer-regex',  
'filename': 'henry-spencer-regex',  
'upstream_names': ['MISC']},

{  
'shortname': 'LDPv1',  
'filename': 'LDPv1',  
'upstream_names': ['LDPv1']},

{  
'shortname': 'public-domain',  
'filename': 'public-domain',  
'upstream_names': ['PUBLIC_DOMAIN']},

{  
'shortname': 'verbatim',  
'filename': 'verbatim',  
'upstream_names': ['VERBATIM', 'VERBATIM_ONE_PARA',  
'VERBATIM_TWO_PARA', 'VERBATIM_PROF']},
licenses_with_manpages = {}  
symlinks = {}

def get_license_shortname(name):
    # Gets the Debian shortname for the name supplied by upstream.
    
    Includes a check that upstream's names are only assigned
to one shortname.
    
    shortname = ""
    already_found = False
    for info in license_information:
        if name in info['upstream_names']:
            if not already_found:
                shortname = info['shortname']
                already_found = True
            else:
                sys.exit("Fatal error: Upstream license name defined multiple times: " + name)
    return shortname

def add_manpage_to_shortname(manpage, copyright_holders, licenses):
    # Ensure a string for the filename
    filename = str(manpage)
    # Strip the leading "./"
    filename = filename[3:len(filename)]
    # Common case: only one license for the manpage, so
    # the shortname is just e.g. "GPL-2+"
    shortname = " and ".join(sorted(licenses))
    if shortname not in licenses_with_manpages:
        licenses_with_manpages[shortname] = {'files': [filename], 'copyright': copyright_holders}
    else:
        licenses_with_manpages[shortname]['files'].append(filename)
        # Do not add same lines twice
        existing_copyright_holders = licenses_with_manpages[shortname]['copyright']
        joined_copyright_holders = list(set(existing_copyright_holders + copyright_holders))
        licenses_with_manpages[shortname]['copyright'] = joined_copyright_holders

    def get_copyright_stanza(shortname, file_info):
        stanza = ""
        # Collect files and symlinks into a common list
        all_files = file_info['files']
        for file in file_info['files']:
            if file in symlinks:
                all_files = all_files + symlinks[file]
        # Join the files into a whitespace separated list,
at most 76 characters long
files = " ".join(sorted(all_files))
The wrap is 69 + 7 (length of "Files: ") = 76
files = textwrap.wrap(files, width=69, break_long_words=False, break_on_hyphens=False)
files = "
   ".join(files)
Now format the copyright holders
copyright = "
   ".join(sorted(file_info['copyright']))
An empty field is an error, so ensure a value
if len(copyright) == 0:
copyright = "(could not be detected automatically)"
Finally, create the stanza
stanza += "Files: "+ files
stanza += "\nCopyright: " + copyright
stanza += "\nLicense: " + shortname + "\n"
return stanza

def get_license_text(shortname):
    """Gets the text for the Debian license shortname."""
    text = ""
    for info in license_information:
        if info['shortname'] == shortname:
            text += "License: " + shortname + "\n"
    with open("licenses/' + info['filename']") as licensefile:
        for line in licensefile:
            text += " " + line
    return text

p = Path("..")
for manpage in p.glob("man?/*"):
    with manpage.open() as file:
        licenses = []
copyright_holders = []
manpage_is_symlink = False
for line in file:
    # Do not create copyright stanzas for symlink files
    # but add them to a symlink list
    symlink = re.search(r"^\s* (.*)", line)
    if symlink:
        manpage_is_symlink = True
        # Ensure a string for the filename
        linkname = str(manpage)
        # Strip the leading "../"
        linkname = linkname[3:len(linkname)]
        filename = symlink.group(1)
        if filename in symlinks:
            symlinks[filename].append(linkname)
        else:
            symlinks[filename] = [linkname]
break
# Only parse the header, so stop after seeing ".TH"
if re.search(r"^\.*\"\.*\".*Copyright \(.\)\", line):
    break
# Extract all copyright holders
copyright = re.search(r"^\"\.*\".*Copyright \(.*\)\", line)
if copyright:
copyright_holders.append(copyright.group(1))
# Match the beginning of the license
license_start = re.search(r"^\" %%%LICENSE\-START\((.*)\)\", line)
if license_start:
    license_name = license_start.group(1)
    license_short_name = get_license_shortname(license_name)
    if not license_short_name:
sys.exit("Fatal error: Upstream license name not known: " + license_name)
    licenses.append(license_short_name)
    if not manpage_is_symlink:
        add_manpage_to_shortname(manpage, copyright_holders, licenses)
# Flatten the symlinks by detecting and removing
# a symlink which points to another symlink.
for link_to_test in symlinks:
    # Now cycle through all symlink entries
    for link in symlinks:
        if link_to_test in symlinks[link]:
symlinks[link] = symlinks[link] + symlinks[link_to_test]
# Make sorting of licenses deterministic
stanzas = ""
license_texts = []
for shortname in sorted(licenses_with_manpages):
stanzas += get_copyright_stanza(shortname, licenses_with_manpages[shortname])
text = get_license_text(shortname)
if text:
    license_texts.append(text)
# Read in the first lines of copyright, without
# the automatically generated parts. Stop after
# the third occurrence of "License".
manual_lines = ""
license_line_count = 0
with open("copyright") as copyright_file:
    for line in copyright_file:
        manual_lines += line
        if re.search(r"^\"License:\"", line):
            license_line_count += 1
        if license_line_count == 3:
            # Add a final newline for separation
# Open the file for output
with open("copyright", "w") as copyright_file:
copyright_file.write(manual_lines)
copyright_file.write(stanzas)
copyright_file.write("\n".join(license_texts))

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### 1.628 util-linux 2.33.1-0.1

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```
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1.630 c-ares 1.16.1-r0

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

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

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

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

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

A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.
Before using, initialize the state by using `init_genrand(seed)`
or `init_by_array(init_key, key_length)`.

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Any feedback is very welcome.
http://www.math.keio.ac.jp/matumoto/emt.html
email: matumoto@math.keio.ac.jp

Sockets
-------

The `socket' module uses the functions, `getaddrinfo', and
`getnameinfo', which are coded in separate source files from the WIDE

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
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- Arguments more compliant with python standard

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

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-------

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* Cordys R&D BV

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1.643 babel-helper-define-map 6.26.0

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, 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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1.648 hawk 1.1.1

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1.649 checker-compat-qual 2.0.0

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1.651 yargs 1.2.6

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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
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including the following new or changed files:
include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
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1.655 jersey-media-jaxb 2.27

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1.656 es-abstract 1.12.0

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1.659 vim-common 2:8.0.0197-4+deb9u3

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*uganda.txt* For Vim version 8.0. Last change: 2013 Jul 06
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http://iccf-holland.org/
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==============================================================================
Kibaale Children's Centre  kcc  Kibaale  charity

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

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.
The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

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

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

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

*donate*

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

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

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

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

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

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

Sending money:*iccf-donations*

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

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

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly. Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.
Kibaale Children's Fund c/o Pacific Academy
10238-168 Street
Surrey, B.C. V4N 1Z4
Canada
Phone: 604-581-5353
If you make a donation to Kibaale Children's Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse. This will allow for tax deduction if you live in Holland.
Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

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

World: Use a postal money order. That should be possible from any
country, mostly from the post office. Use this name (which is
in my passport): "Abraham Moolenaar". Use Euro for the
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that you can use for this. See "Others" below for the swift
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set style histogram errorbars gap 2 lw 1
set style fill solid border -1
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From: "Linn, John" <jlinn@rsasecurity.com>

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1.665 tmux 3.1c-r0

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1.666 punycode 2.1.1

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1.667 ssh-import-id 5.7-0ubuntu1.1

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1.668 g++ 4:4.9.2-2

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1.669 clone 2.1.2

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1.670 source-map 0.6.1

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1.671 babel-core 6.26.0

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1.672 lucene-memory 7.3.1

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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/es/SpanishLightStemmer.java`
- `analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java`
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- `analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java`
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===============

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(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.

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1.684 lang-painless 6.3.1

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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)
+        {
+            /* Display the contents of /etc/legal */
+            if (pam_mixmode())
+            {
+                int fd;
+                fd = open(pam_mixmode_file(), O_RDONLY);
+                if (fd < 0)
+                {
+                    retval = PAM_SYSTEM_ERR;
+                } else
+                {
+                    char line[1024];
+                    while (fgets(line, 1024, fd))
+                    {
+                        write(STDOUT_FILENO, line, strlen(line));
+                    }
+                    close(fd);
+                }
+            }
+            retval = PAM_ACCEPT;
+        }
+    }
+}
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;

PAMEXTERN
int pam_sm_open_session(pam_handle_t *pamh, int flags,
argc, const char **argv)
{
    /* 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 Wed, 23 Sep 1998 20:29:32 +0200.

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

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1.692 es6-promise 3.2.1

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1.693 mimic-fn 1.1.0

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set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024
set xtics rotate by -45
set style histogram errorbars gap 2 lw 1
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For an executable, the required form of the "work that uses the
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End

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It was downloaded from <http://ftp.gnome.org/pub/GNOME/sources/glib/>.

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1.712 python-cffi-backend 1.11.5-1

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Upstream-Contact: Armin Rigo
Source: http://pypi.python.org/pypi/cffi/

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1.713 jinja2 2.11.2

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Metadata-Version: 2.1
Name: Jinja2
Version: 2.11.2
Summary: A very fast and expressive template engine.
Home-page: https://palletsprojects.com/p/jinja/
Author: Armin Ronacher
Author-email: armin.ronacher@active-4.com
Maintainer: Pallets
Maintainer-email: contact@palletsprojects.com
License: BSD-3-Clause
Project-URL: Code, https://github.com/pallets/jinja
Description: Jinja

Jinja is a fast, expressive, extensible templating engine. Special placeholders in the template allow writing code similar to Python syntax. Then the template is passed data to render the final document.

It includes:

- Template inheritance and inclusion.
- Define and import macros within templates.
- HTML templates can use autoescaping to prevent XSS from untrusted user input.
- A sandboxed environment can safely render untrusted templates.
- AsyncIO support for generating templates and calling async functions.
- I18N support with Babel.
- Templates are compiled to optimized Python code just-in-time and cached, or can be compiled ahead-of-time.
- Exceptions point to the correct line in templates to make debugging easier.
- Extensible filters, tests, functions, and even syntax.

Jinja's philosophy is that while application logic belongs in Python if possible, it shouldn't make the template designer's job difficult by restricting functionality too much.
Installing
----------

Install and update using `pip`:

.. code-block:: text

    $ pip install -U Jinja2


In A Nutshell
-------------

.. code-block:: jinja

    {% extends "base.html" %}
    {% block title %}Members{% endblock %}
    {% block content %}
        <ul>
            {% for user in users %}
                <li><a href="{{ user.url }}">{{ user.username }}</a></li>
            {% endfor %}
        </ul>
    {% endblock %}

Links
-----

- Website: https://palletsprojects.com/p/jinja/
- Documentation: https://jinja.palletsprojects.com/
- Releases: https://pypi.org/project/Jinja2/
- Code: https://github.com/pallets/jinja
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- Test status: https://dev.azure.com/pallets/jinja/_build
- Official chat: https://discord.gg/t6rrQZH

Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
Classifier: Environment :: Web Environment
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: BSD License
Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python
Classifier: Programming Language :: Python :: 2
import io
import re

from setuptools import find_packages
from setuptools import setup

with io.open("README.rst", "rt", encoding="utf8") as f:
    readme = f.read()

with io.open("src/jinja2/__init__.py", "rt", encoding="utf8") as f:
    version = re.search(r'__version__ = "(.*)"', f.read(), re.M).group(1)

setup(
    name="Jinja2",
    version=version,
    url="https://palletsprojects.com/p/jinja/",
    project_urls={
        "Documentation": "https://jinja.palletsprojects.com/",
        "Code": "https://github.com/pallets/jinja",
        "Issue tracker": "https://github.com/pallets/jinja/issues",
    },
    license="BSD-3-Clause",
    author="Armin Ronacher",
    author_email="armin.ronacher@active-4.com",
    maintainer="Pallets",
    maintainer_email="contact@palletsprojects.com",
    description="A very fast and expressve template engine.",
)
long_description=readme,
classifiers=[
    "Development Status :: 5 - Production/Release/Stable",
    "Environment :: Web Environment",
    "Intended Audience :: Developers",
    "License :: OSI Approved :: BSD License",
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    "Programming Language :: Python",
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    "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 :: WWW/HTTP :: Dynamic Content",
    "Topic :: Software Development :: Libraries :: Python Modules",
    "Topic :: Text Processing :: Markup :: HTML",
]
],
packages=find_packages("src"),
package_dir={"": "src"},
include_package_data=True,
python_requires=">=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*, !=3.4.*",
install_requires=["MarkupSafe>=0.23"],
extras_require={"i18n": ["Babel>=0.8"]},
entry_points={"babel.extractors": ["jinja2 = jinja2.ext:babel_extract[i18n]"]},
)

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1066236837_1593561702.39/0/jinja2-2.11.2-tar.gz/Jinja2-2.11.2/setup.py
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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

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

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Mersenne Twister

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

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

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

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

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with python standard

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

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

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Mersenne Twister

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

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

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Sockets
-------

The :mod:`socket` module uses the functions :func:`getaddrinfo`, and
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--------------------------------

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L. Peter Deutsch
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at
   http://www.ietf.org/rfc/rfc1321.txt
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The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

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

Asynchronous socket services

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

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

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test_epoll
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-------------

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1.717 libcom-err 1.43.4-2

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Index: tdbsa/tdb.c
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Index: tdbsa/tdb.c
+++
@@ -4,11 +4,11 @@
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 */
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- Unix SMB/CIFS implementation.
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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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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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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 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_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-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 package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

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

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

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

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Theodore Ts'o
23-June-2007

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

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* /opt/cola/permits/1132244357_1613132141.63/0/netty-transport-native-unix-common-4-1-42-final-sources-3-
  jar/io/netty/channel/unix/UnixChannelOption.java
* /opt/cola/permits/1132244357_1613132141.63/0/netty-transport-native-unix-common-4-1-42-final-sources-3-
  jar/io/netty/channel/unix/IovArray.java

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* /opt/cola/permits/1132244357_1613132141.63/0/netty-transport-native-unix-common-4-1-42-final-sources-3-
  jar/io/netty/channel/unix/PreferredDirectByteBufAllocator.java
* /opt/cola/permits/1132244357_1613132141.63/0/netty-transport-native-unix-common-4-1-42-final-sources-3-
  jar/netty_unix_buffer.h
* /opt/cola/permits/1132244357_1613132141.63/0/netty-transport-native-unix-common-4-1-42-final-sources-3-
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* /opt/cola/permits/1132244357_1613132141.63/0/netty-transport-native-unix-common-4-1-42-final-sources-3-
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1.719 icu 63.1-6
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Commands to generate dependency files

GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)
## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

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

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

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

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

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

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

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

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

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

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[ -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 =

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1.720 block-stream 0.0.9

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2ubuntu0~16.04.10
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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

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

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<table>
<thead>
<tr>
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 8492
| 0.9.0 thru 1.2 | 1991-1995 CWI | yes |
| 1.3 thru 1.5.2 | 1.2 | 1995-1999 CNRI | yes |
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| 2.1 | 2.0+1.6.1 | 2001 PSF | no |
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Mersenne Twister
----------------

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

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

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

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Any feedback is very welcome.
http://www.math.keio.ac.jp/matumoto/emt.html
email: matumoto@math.keio.ac.jp

Sockets
-------

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

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1.739 libdb 5.3.28 11

1.740 system-updater 1.7.18

1.740.1 Available under license:

No license file was found, but licenses were detected in source scan.

Metadata-Version: 2.0
Name: system-updater
Version: 1.7.18
Summary: System Updater Service (1.7.18)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: docker (==2.1.0)
Requires-Dist: importlib-metadata (==2.0.0)
Requires-Dist: kubernetes (==11.0.0)
Requires-Dist: maglev-api (==1.7.0)
Requires-Dist: maglev-appserver (==1.8.0)
Requires-Dist: maglev-common (==1.7.0)
Requires-Dist: maglev-internal-api (==1.7.0)
Requires-Dist: py
Requires-Dist: pykube (==0.15.0)
Requires-Dist: pytest (==5.4.3)
Requires-Dist: pytest-asyncio (==0.12.0)
Requires-Dist: python-etcd (==0.4.5)
Requires-Dist: requests (==2.20.1)
Requires-Dist: setuptools (==41.2.0)
Requires-Dist: setuptools-scm (==3.4.3)
Requires-Dist: toml (==0.10.0)
Requires-Dist: zipp (==1.0.0)

# Installation
+ Requires: Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

Found in path(s):
* /opt/cola/permits/1176272172_1624660285.18/0/system-updater-1-7-18-dist-info-
  zip/inputdir/packages_extracted/targz/1/packages_extracted/1/packages_extracted/1/packages_extracted/81/system_ 
  updater-1.7.18.dist-info/METADATA
vim-tiny 2:7.4.1689-3ubuntu1:1

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This package was put together by Wichert Akkerman <wakkerma@debian.org> from sources obtained from: ftp://ftp.vim.org/pub/vim/unix/. The current maintainer is Debian VIM Maintainers <pkg-vim-maintainers@lists.alioth.debian.org>.

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import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.javadoc.Tag;
/**
 * A simple Taglet which handles Copyright information.
 */

public class CopyrightTaglet implements Taglet {

    private static final String NAME = "copyright";
    private static final String HEADER = "Copyright:";

    public String getName() {
        return NAME;
    }

    public boolean inField() {
        return true;
    }

    public boolean inConstructor() {
        return true;
    }

    public boolean inMethod() {
        return true;
    }

    public boolean inOverview() {
        return true;
    }

    public boolean inPackage() {
        return true;
    }

    public boolean inType() {
        return true;
    }

    public boolean isInlineTag() {
        return false;
    }

    public static void register(Map tagletMap) {
        CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
        tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
    }

    public String toString(Tag tag) {
        return toString(new Tag[] { tag });
    }
}
public String toString(Tag[] tags) {
  if (tags.length == 0) {
    return null;
  } else {
    boolean haveValidTag = false;
    for (int i = 0; i < tags.length && !haveValidTag; ++i) {
      if (tags[i].text().length() > 0) {
        haveValidTag = true;
      }
    }
    if (haveValidTag) {
      StringBuffer result = new StringBuffer();
      result.append("<dl>");
      for (int i = 0; i < tags.length; i++) {
        if (tags[i].text().length() > 0) {
          result.append("<dt><i>Copyright &copy; " + tags[i].text() + "</i></dt>");
        }
      }
      result.append("</dl>");
      return result.toString();
    } else {
      return null;
    }
  }
}

Jan 21, 2002

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<signature of Ty Coon>, 1 April 1990
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That's all there is to it!

// DO NOT EDIT THIS FILE - it is machine generated -*- c++ -*- 

#ifndef __java_security_Permission__
#define __java_security_Permission__

#pragma interface

Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 8698
```cpp
#include <java/lang/Object.h>
extern "Java"
{
namespace java
{
namespace security
{
    class Permission;
    class PermissionCollection;
}
}
}

class java::security::Permission : public ::java::lang::Object
{
public:
    Permission(::java::lang::String *);
    virtual void checkGuard(::java::lang::Object *);
    virtual jboolean implies(::java::security::Permission *) = 0;
    virtual jboolean equals(::java::lang::Object *) = 0;
    virtual jint hashCode() = 0;
    virtual ::java::lang::String * getName();
    virtual ::java::lang::String * getActions() = 0;
    virtual ::java::security::PermissionCollection * newPermissionCollection();
    virtual ::java::lang::String * toString();
private:
    static const jlong serialVersionUID = -5636570222231596674LL;
    ::java::lang::String * __attribute__((aligned(__alignof__( ::java::lang::Object)))) name;
public:
    static ::java::lang::Class class$;
};
```

@ignore
@c Set file name and title for man page.
@setfilename gpl
@settitle GNU General Public License
@c man begin SEEALSO
gfdl(7), fsf-funding(7).
c man end
@c man begin COPYRIGHT
Copyright @copyright{} 2007 Free Software Foundation, Inc.
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c man end
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@c man end
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/* Permission.java -- The superclass for all permission objects

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exception statement from your version. */

package java.security;

import gnu.java.lang.CPStringBuilder;

import java.io.Serializable;

/**
   * This class is the abstract superclass of all classes that implement
   * the concept of a permission. A permission consists of a permission name
   * and optionally a list of actions that relate to the permission. The
   * actual meaning of the name of the permission is defined only in the
   * context of a subclass. It may name a resource to which access permissions
   * are granted (for example, the name of a file) or it might represent
   * something else entirely. Similarly, the action list only has meaning
   * within the context of a subclass. Some permission names may have no
   * actions associated with them. That is, you either have the permission
   * or you don't.
   *
   * <p>The most important method in this class is <code>implies</code>. This
   * checks whether if one has this permission, then the specified
   * permission is also implied. As a conceptual example, consider the
   * permissions "Read All Files" and "Read File foo". The permission
   * "Read All Files" implies that the caller has permission to read the
   * file foo.
   *
   * <p><code>Permission</code>'s must be immutable - do not change their
   * state after creation.
   *
   * @author Aaron M. Renn (arenn@urbanophile.com)
   * @see Permissions
   * @see PermissionCollection
   * @since 1.1
public abstract class Permission implements Guard, Serializable
{
    /**
     * This is the name assigned to this permission object.
     *
     * @serial the name of the permission
     */
    private String name;

    /**
     * Create an instance with the specified name.
     *
     * @param name the permission name
     */
    public Permission(String name)
    {
        this.name = name;
    }

    /**
     * This method implements the <code>Guard</code> interface for this class.
     * It calls the <code>checkPermission</code> method in
     * <code>SecurityManager</code> with this <code>Permission</code> as its
     * argument. This method returns silently if the security check succeeds
     * or throws an exception if it fails.
     *
     * @param obj the <code>Object</code> being guarded - ignored by this class
     * @throws SecurityException if the security check fails
     */
    public void checkGuard(Object obj)
    {
        SecurityManager sm = System.getSecurityManager();
        if (sm != null)
            sm.checkPermission(this);
    }

    /**
     * This method tests whether this <code>Permission</code> implies that the
     * specified <code>Permission</code> is also granted.
     */
* @param perm the <code>Permission</code> to test against
* @return true if perm is implied by this
*/
public abstract boolean implies(Permission perm);

/**
* Check to see if this object equals obj. Use <code>implies</code>, rather
* than <code>equals</code>, when making access control decisions.
* @param obj the object to compare to
*/
public abstract boolean equals(Object obj);

/**
* This method returns a hash code for this <code>Permission</code>. It
* must satisfy the contract of <code>Object.hashCode</code>: it must be
* the same for all objects that equals considers to be the same.
* @return a hash value
*/
public abstract int hashCode();

/**
* Get the name of this <code>Permission</code>.
* @return the name
*/
public final String getName()
{
    return name;
}

/**
* This method returns the list of actions for this <code>Permission</code>
* as a <code>String</code>. The string should be in canonical order, for
* example, both <code>new FilePermission(f, "write,read")</code> and
* <code>new FilePermission(f, "read,write")</code> have the action list
* "read,write".
* @return the action list for this <code>Permission</code>
*/
public abstract String getActions();

/**
* This method returns an empty <code>PermissionCollection</code> object
* that can store permissions of this type, or <code>null</code> if no
* such collection is defined. Subclasses must override this to provide
* an appropriate collection when one is needed to accurately calculate
* <code>implies</code>.
*
* @return a new <code>PermissionCollection</code>
*/
public PermissionCollection newPermissionCollection()
{
    return null;
}

/**
* This method returns a <code>String</code> representation of this
* <code>Permission</code> object. This is in the format:
* <code>\(' + getClass().getName() + ' + getName() + ' + getActions
* + \)'</code>.
*
* @return this object as a <code>String</code>
*/
public String toString()
{
    CPStringBuilder string = new CPStringBuilder();

    string = string.append('(');
    string = string.append(getClass().getName());
    string = string.append(' ');
    string = string.append(getName());
    string = string.append(' ');
    string = string.append(getName());
    string = string.append(')');

    if (!(getActions().equals("")))
    {
        string = string.append(' ');
        string = string.append(getActions());
    }

    string = string.append(')');
    return string.toString();
}
} // class Permission

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provision to those domains in future versions of the <acronym>GPL</acronym>,
as needed to protect the freedom of users.
</para>
<para>
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
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<bridgehead>
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</bridgehead>

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

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

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 works 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
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the work.
</para>

The Corresponding Source need not include anything that users can regenerate
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</bridgehead>
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<para>
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<bridgehead xml:id="ConveyingModified" renderas="sect1">
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</bridgehead>
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</para>
<orderedlist numeration="loweralpha" inheritnum="ignore" continuation="restarts">
<li>
The work must carry prominent notices stating that you modified it, and
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<li>
The work must carry prominent notices stating that it is released under
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<para>
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.
</para>

<para>
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.
</para>

<para>
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</para>

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

```python
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#
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# This script is free software; you can redistribute it and/or modify
# it under the terms of the GNU General Public License as published by
# the Free Software Foundation; either version 3, or (at your option)
# any later version.
#
# This script adjusts the copyright notices at the top of source files
# so that they have the form:
#
# Copyright XXXX-YYYY Free Software Foundation, Inc.
```

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under certain conditions; type `show c` for details.

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You should also get your employer (if you work as a programmer) or school,
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subroutine library, you may consider it more useful to permit linking
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# This script is free software; you can redistribute it and/or modify
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# This script adjusts the copyright notices at the top of source files
# so that they have the form:
#
# Copyright XXXX-YYYY Free Software Foundation, Inc.
#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
#    update-copyright.pl --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
#    update-copyright.pl --this-year libjava
#
# would run the script on just libjava/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__ (self):
        self.num_errors = 0

def report (self, filename, string):
    if filename:
        string = filename + ': ' + string
    sys.stderr.write (string + '
')
    self.num_errors += 1

def ok (self):
    return self.num_errors == 0
class GenericFilter:
    def __init__(self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set([
            # Skip licence files.
            'COPYING',
            'COPYING.LIB',
            'COPYING3',
            'COPYING3.LIB',
            'LICENSE',
            'fdl.texi',
            'gpl_v3.texi',
            'fdl-1.3.xml',
            'gpl-3.0.xml',

            # Skip auto- and libtool-related files
            'aclocal.m4',
            'compile',
            'config.guess',
            'config.sub',
            'decomp',
            'install-sh',
            'libtool.m4',
            'ltmain.sh',
            'ltoptions.m4',
            'ltsugar.m4',
            'ltversion.m4',
            'lt~obsolete.m4',
            'missing',
            'mkdep',
            'mkinstalldirs',
            'move-if-change',
            'shlibpath.m4',
            'symlink-tree',
            'y1wrap',

            # Skip FSF mission statement, etc.
            'gnu.texi',
            'funding.texi',
            'appendix_free.xml',

            # Skip imported texinfo files.
            'texinfo.tex',
        ])

        self.skip_dirs |= set([''])
        self.skip_extensions |= set([''])
        self.own_files |= set([''])
def get_line_filter(self, dir, filename):
    if filename.startswith('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile(r'	')
    return None

def skip_file(self, dir, filename):
    if filename in self.skip_files:
        return True
    (base, extension) = os.path.splitext(os.path.join(dir, filename))
    if extension in self.skip_extensions:
        return True
    if extension == '.in':
        # Skip .in files produced by automake.
        if os.path.exists(base + '.am'):
            return True
    if os.path.exists(base + '.def')
        and os.path.exists(base + '.tpl')):
        return True
    # Skip configure files produced by autoconf
    if filename == 'configure':
        if os.path.exists(base + '.ac'):
            return True
        if os.path.exists(base + '.in'):
            return True
    return False

def skip_dir(self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file(self, dir, filename):
    if filename in self.fossilised_files:
        return True
    if filename != 'ChangeLog' and filename.find('ChangeLog') >= 0:
        return True
    return False
def by_package_author(self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__(self, errors):
        self.errors = errors

        # Characters in a range of years. Include '.' for typos.
        ranges = '[0-9][?:-][0-9,\s][s+and\s]*[0-9]'

        # Non-whitespace characters in a copyright holder's name.
        name = '[:w-]+'

        # Matches one year.
        self.year_re = re.compile('[0-9]+' )

        # Matches part of a year or copyright holder.
        self.continuation_re = re.compile(ranges + '|' + name)

        # Matches a full copyright notice:
        self.copyright_re = re.compile(
            # 1: 'Copyright (C)', etc.
            '\([Cc]opyright\)
             \[[Cc]opyrights+\[Cc\]\]
             \[[Cc]opyrights+%s\]
             \[[Cc]opyrights+@copy\];
             \[[Cc]opyrights+@copyright\]
             'copyright = ut'
             '@set\s+copyright\[w-]+')

        # 2: the years. Include the whitespace in the year, so that
        # we can remove any excess.
        '\s*(?:' + ranges + ',?'
        '@value\{[^{}]*\})\s*')

        # 3: 'by ', if used
        '(by\s+)')

        # 4: the copyright holder. Don't allow multiple consecutive
        # spaces, so that right-margin gloss doesn't get caught
        # (e.g. gnat_ugn.texi).
        '\(' + name + '\(?\s? + name + '+\w+\))?')

        # A regexp for notices that might have slipped by. Just matching
        # 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
        # HTML header markers, so check for 'copyright' and two digits.
        self.other_copyright_re = re.compile('copyright.*[0-9][0-9]',
            re.IGNORECASE)
# True to 'quilt add' files before changing them.
self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s).  Could be ',', '.
self.separator = '

def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find ('')
    while index >= 0:
        self.holder_prefixes.add (holder[:index])
        index = holder.find ('', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__ (self, year):
        self.year = year

    def __str__ (self):
        return 'unrecognised year: ' + self.year

    def parse_year (self, string):
        year = int (string)
        if len (string) == 2:
            if year > 70:
                return year + 1900
            elif len (string) == 4:
                return year
        raise self.BadYear (string)

    def year_range (self, years):
        year_list = [self.parse_year (year)
                     for year in self.year_re.findall (years)]
        assert len (year_list) > 0
        return (min (year_list), max (year_list))

    def set_use_quilt (self, use_quilt):
def include_year (self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years (self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith ('@value'):
        return years
    (min_year, max_year) = self.year_range (years)

    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file (dir, filename):
        max_year = max (max_year, self.max_year)

    # Use a range.
    if min_year == max_year:
        return '%d' % min_year
    else:
        return '%d-%d' % (min_year, max_year)

def strip_continuation (self, line):
    line = line.lstrip()
    match = self.comment_re.match (line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete (self, match):
    holder = match.group (4)
    return (holder
        and (holder not in self.holder_prefixes
            or holder in self.holders))

def update_copyright (self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join (dir, filename)

    intro = match.group (1)
    if intro.startswith ('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end (2):].strip()
        if after_years != ':
            self.errors.report (pathname,
                'trailing characters in @set: '}
+ after_years)
    return (False, orig_line, next_line)
else:
    # If it looks like the copyright is incomplete, add the next line.
    while not self.is_complete (match):
        try:
            next_line = file.next()
        except StopIteration:
            break

    # If the next line doesn't look like a proper continuation,
    # assume that what we've got is complete.
    continuation = self.strip_continuation (next_line)
    if not self.continuation_re.match (continuation):
        break

    # Merge the lines for matching purposes.
    orig_line += next_line
    line = line.rstrip() + ' ' + continuation
    next_line = None

    # Rematch with the longer line, at the original position.
    match = self.copyright_re.match (line, match.start())
    assert match
    holder = match.group(4)

    # Use the filter to test cases where markup is getting in the way.
    if filter.by_package_author (dir, filename):
        assert holder not in self.holders

    elif not holder:
        self.errors.report (pathname, 'missing copyright holder')
        return (False, orig_line, next_line)

    elif holder not in self.holders:
        self.errors.report (pathname, 'unrecognised copyright holder: ' + holder)
        return (False, orig_line, next_line)

    else:
        # See whether the copyright is associated with the package
        # author.
        canon_form = self.holders[holder]
        if not canon_form:
            return (False, orig_line, next_line)

        # Make sure the author is given in a consistent way.
line = (line[:match.start (4)]
    + canon_form
    + line[match.end (4):])

# Remove any 'by'
line = line[:match.start (3)] + line[match.end (3):]

# Update the copyright years.
years = match.group (2).strip()
try:
    canon_form = self.canonicalise_years (dir, filename, filter, years)
except self.BadYear as e:
    self.errors.report (pathname, str (e))
return (False, orig_line, next_line)

line = (line[:match.start (2)]
    + ('' if intro.startswith ('copyright = ') else ' ')
    + canon_form + self.separator
    + line[match.end (2):])

# Use the standard (C) form.
if intro.endswith ('right'):
    intro += ' (C)'
elif intro.endswith ('(c)'):
    intro = intro[:-3] + '(C)'
line = line[:match.start (1)] + intro + line[match.end (1):]

# Strip trailing whitespace
line = line.rstrip() + '\n'
return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)
        except OSError:
            pass
    return

lines = []
changed = False
line_filter = filter.get_line_filter (dir, filename)
with open (pathname, 'r') as file:
    prev = None
    for line in file:
        lines = []
        changed = False
        line_filter = filter.get_line_filter (dir, filename)
        with open (pathname, 'r') as file:
            prev = None
            for line in file:
while line:
    next_line = None
    # Leave filtered-out lines alone.
    if not (line_filter and line_filter.match(line)):
        match = self.copyright_re.search(line)
        if match:
            res = self.update_copyright(dir, filename, filter,
                                         file, line, match)
            (this_changed, line, next_line) = res
            changed = changed or this_changed
    # Check for copyright lines that might have slipped by.
    elif self.other_copyright_re.search(line):
        self.errors.report(pathname,
                           'unrecognised copyright: %s'
                           % line.strip())
        lines.append(line)
        line = next_line

    # If something changed, write the new file out.
    if changed and self.errors.ok():
        tmp_pathname = pathname + '.tmp'
        with open(tmp_pathname, 'w') as file:
            for line in lines:
                file.write(line)
        if self.use_quilt:
            subprocess.call(['quilt', 'add', pathname])
        os.rename(tmp_pathname, pathname)

def process_tree(self, tree, filter):
    for (dir, subdirs, filenames) in os.walk(tree):
        # Don't recurse through directories that should be skipped.
        for i in xrange(len(subdirs) - 1, -1, -1):
            if filter.skip_dir(dir, subdirs[i]):
                del subdirs[i]

        # Handle the files in this directory.
        for filename in filenames:
            if filter.skip_file(dir, filename):
                sys.stdout.write('Skipping %s
' % os.path.join(dir, filename))
            else:
                self.process_file(dir, filename, filter)

class CmdLine:
    def __init__(self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright(self.errors)
self.dirs = []
self.default_dirs = []
self.chosen_dirs = []
self.option_handlers = dict()
self.option_help = []

self.add_option ('--help', 'Print this help', self.o_help)
self.add_option ('--quilt', '"quilt add" files before changing them',
    self.o_quilt)
self.add_option ('--this-year', 'Add the current year to every notice',
    self.o_this_year)

def add_option (self, name, help, handler):
    self.option_help.append ((name, help))
    self.option_handlers[name] = handler

def add_dir (self, dir, filter = GenericFilter()):
    self.dirs.append ((dir, filter))

def o_help (self, option = None):
    sys.stdout.write ('Usage: %s [options] dir1 dir2...

    Options:
    ' % sys.argv[0])
    format = '%-15s %s
    '
    for (what, help) in self.option_help:
        sys.stdout.write (format % (what, help))
    sys.stdout.write ('
Directories:
    ')
    format = '%-25s'
    i = 0
    for (dir, filter) in self.dirs:
        i += 1
        if i % 3 == 0 or i == len (self.dirs):
            sys.stdout.write (dir + '
')
        else:
            sys.stdout.write (format % dir)
    sys.exit (0)

def o_quilt (self, option):
    self.copyright.set_use_quilt (True)

def o_this_year (self, option):
    self.copyright.include_year (time.localtime().tm_year)

def main (self):
    for arg in sys.argv[1:]:
        if arg[:1] != '-':
            self.chosen_dirs.append (arg)
        elif arg in self.option_handlers:
self.option_handlers[arg] (arg)
else:
    self.errors.report (None, 'unrecognised option: ' + arg)
if self.errors.ok():
    if len (self.chosen_dirs) == 0:
        self.chosen_dirs = self.default_dirs
    if len (self.chosen_dirs) == 0:
        self.o_help()
else:
    for chosen_dir in self.chosen_dirs:
        canon_dir = os.path.join (chosen_dir, '')
        count = 0
        for (dir, filter) in self.dirs:
            if (dir + os.sep).startswith (canon_dir):
                count += 1
                self.copyright.process_tree (dir, filter)
        if count == 0:
            self.errors.report (None, 'unrecognised directory: '
                               + chosen_dir)
    sys.exit (0 if self.errors.ok() else 1)

#---------------------------------------------------------------------------------------

class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True

class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)
    def skip_file (self, dir, filename):
        if filename.endswith ('.m4'):
            pathname = os.path.join (dir, filename)
            with open (pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find ('gettext-') >= 0:
                    return True
            return GenericFilter.skip_file (self, dir, filename)

class GCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)
        self.skip_files |= set (['
            # Not part of GCC
            'math-68881.h',
            ])

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class TestsuiteFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set (]
            # Better not create a merge nightmare for the GNAT folks.
            'ada',

            # Handled separately.
            'testsuite',
        )

        self.skip_extensions |= set (]
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        )

        self.fossilised_files |= set (]
            # Old news won't be updated.
            'ONEWS',
        )

class LibCppFilter (GenericFilter):

    def skip_file (self, dir, filename):
        # g++.niklas/README contains historical copyright information
        # and isn't updated.
        if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
            return True
        return GenericFilter.skip_file (self, dir, filename)
def __init__ (self):
    GenericFilter.__init__ (self)

    self.skip_extensions |= set ( [
         # Maintained by the translation project.
         '.po',

         # Automatically-generated.
         '.pot',
     ])

class LibGCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ( [
             # Imported from GLIBC.
             'soft-fp',
         ])

class LibJavaFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ( [
             # Handled separately.
             'testsuite',

             # Not really part of the library
             'contrib',

             # Imported from upstream
             'classpath',
             'libltdl',
         ])

def get_line_filter (self, dir, filename):
    if filename == 'NameDecoder.h':
        return re.compile ('.*NAME_COPYRIGHT')
    if filename == 'ICC_Profile.h':
        return re.compile ('.*icSigCopyrightTag')
    return GenericFilter.get_line_filter (self, dir, filename)

class LibMudflapFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ( [}
# Handled separately.
'testsuite',
})

class LibStdCxxFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set ([
            # Contains no copyright of its own, but quotes the GPL.
            'intro.xml',
        ])

        self.skip_dirs |= set ([
            # Contains automatically-generated sources.
            'html',

            # The testsuite data files shouldn't be changed.
            'data',

            # Contains imported images
            'images',
        ])

        self.own_files |= set ([
            # Contains markup around the copyright owner.
            'spine.xml',
        ])

    def get_line_filter (self, dir, filename):
        if filename == 'boost_concept_check.h':
            return re.compile ('// \(C\) Copyright Jeremy Siek')
        return GenericFilter.get_line_filter (self, dir, filename)

class GCCCopyright (Copyright):
    def __init__ (self, errors):
        Copyright.__init__ (self, errors)

        canon_fsf = 'Free Software Foundation, Inc.'
self.add_package_author ('Free Software Foundation', canon_fsf)
self.add_package_author ('Free Software Foundation.', canon_fsf)
self.add_package_author ('Free Software Foundation Inc', canon_fsf)
self.add_package_author ('Free Software Foundation, Inc', canon_fsf)
self.add_package_author ('Free Software Foundation, Inc.', canon_fsf)
self.add_package_author ('The Free Software Foundation', canon_fsf)
self.add_package_author ('The Free Software Foundation, Inc', canon_fsf)
self.add_package_author ('Software Foundation, Inc', canon_fsf)

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class GCCCmdLine (CmdLine):
    def __init__ (self):
        CmdLine.__init__ (self, GCCCopyright)

        self.add_dir ('.', TopLevelFilter())
        # boehm-gc is imported from upstream.
        self.add_dir ('config', ConfigFilter())
        # contrib isn't really part of GCC.
        self.add_dir ('fixincludes')
        self.add_dir ('gcc', GCCFilter())
        self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir ('gnatools')
        self.add_dir ('include')
        self.add_dir ('libada')
        self.add_dir ('libatomic')
        self.add_dir ('libbacktrace')
        self.add_dir ('libcpp', LibCppFilter())
        self.add_dir ('libc', LibGCCFilter())
        self.add_dir ('libgfortran')
self.add_dir ('libgomp')
self.add_dir ('libiberty')
self.add_dir ('libitm')
self.add_dir ('libjava', LibJavaFilter())
self.add_dir (os.path.join ('libjava', 'testsuite'), TestsuiteFilter())
self.add_dir ('libmudflap', LibMudflapFilter())
self.add_dir (os.path.join ('libmudflap', 'testsuite'), TestsuiteFilter())
self.add_dir ('libobjc')
self.add_dir ('libquadmath')
# libsanitiser is imported from upstream.
self.add_dir ('libssp')
self.add_dir ('libstdc++-v3', LibStdCxxFilter())
self.add_dir ('lto-plugin')
# zlib is imported from upstream.

self.default_dirs = [
    'gcc',
    'libada',
    'libatomic',
    'libbacktrace',
    'libcpp',
    'libdecmumber',
    'libgcc',
    'libgfortran',
    'libgomp',
    'libitm',
    'libmudflap',
    'libobjc',
    'libstdc++-v3',
]

GCCCmdLine().main()

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c man end
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/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using underscores, we are using prefix `.'s to identify labels that should be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS */
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) /* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE, SIZE) \
fprintf (FILE, "\t.space HOST_WIDE_INT_PRINT_UNSIGNED\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED) \
( fputs (".comm ", (FILE)), \
assemble_name ((FILE), (NAME)), \
fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED) \
( fputs (".lcomm ", (FILE)), \
assemble_name ((FILE), (NAME)), \
fprintf ((FILE), ",%u\n", (int)(ROUNDED)))
#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  
  ( fputs (".lcomm ", (FILE)),
   assemble_name ((FILE), (NAME)),
   fprintf ((FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line 
   that says to advance the location counter 
to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG)\  
  if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF 
the symbol_ref name of an internal numbered label where
  PREFIX is the class of label and NUM is the number within the class.
  This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)\  
  sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX "_"

/* Sequent has some changes in the format of DBX symbols. */

#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */

#define DBX_CONTIN_LENGTH 0

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<signature of Ty Coon>, 1 April 1990
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That's all there is to it!

#ifndef __java_security_acl_Permission__
#define __java_security_acl_Permission__

#pragma interface

#include <java/lang/Object.h>
extern "Java"
{
namespace java
{
namespace security
{
namespace acl
{
class Permission;
}
}
}
}

class java::security::acl::Permission : public java::lang::Object
{

public:
    virtual jboolean equals(::java::lang::Object *) = 0;
    virtual ::java::lang::String * toString() = 0;
    static ::java::lang::Class class$;
} __attribute__ ((java_interface));

#endif // __java_security_acl_Permission__
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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.

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/**
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 * @version 0.0
 * @author Aaron M. Renn (arenn@urbanophile.com)
 */
public interface Permission
{
/**
 * This method tests whether or not a specified <code>Permission</code> (passed as an <code>Object</code>) is the same as this permission.
 * @param perm The permission to check for equality
 * @return <code>true</code> if the specified permission is the same as this one, <code>false</code> otherwise
 */
boolean equals (Object perm);
* This method returns this `<code>Permission</code>` as a `<code>String</code>`.
*
* @return A `<code>String</code>` representing this permission.
*/
String toString();
}

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\tr\{
\ds \C+ \C\-\-\v1\h'1p's-2+\h'1p'+\v0\v.'1\v'1h-'1p'
\ie n \{
\    \ds \-- \(*W-\)
\    \ds \Pi \pi
\if \(\n.(H=4u)&(1m=24u)\)
\    \ds \-- \(*\W\h'-12u\)(*\W\h'-12u\L')\`` diablo 10 pitch
\if \(\n.(H=4u)&(1m=20u)\)
\    \ds \-- \(*\W\h'-12u\)(*\W\h'-8u\L')\`` diablo 12 pitch
\    \ds \L'' \\
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If the F register is turned on, we'll generate index entries on stderr for titles (.TH), headers (.SH), subsections (.Sh), items (.Ip), and index entries marked with X<> in POD. Of course, you'll have to process the output yourself in some meaningful fashion.

```
.de \nF \{
.. tm Index:\$1\n%\n\"\$2"
.. nr % 0
.. rr F
\}
```

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

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

```
.if n \{
  ds #H 0
  ds #V .8m
  ds #F .3m
  ds #f1
  ds #Mp
\}
```

```
.if t \{
  ds #H ((1-u-(\\n(.fu%2u))*1.13m)
  ds #V .6m
  ds #F 0
  ds #f &
  ds #M &
\}
```

```
  \" simple accents for nroff and troff
.if n \{
  ds \&
  ds \&
  ds ^ \&
  ds , \&
  ds ~ ~
  ds /
\}
```

```
.if t \{
  ds ' \k:\h'-(\\n(\n.wu*8/10-\*(#H)\n\"\n.u"
  ds ` \k:\h'-(\\n(\n.wu*8/10-\*(#H)\n\":u'
  ds ^ \k:\h'-(\\n(\n.wu*10/11-\*(#H)\n\:u'
```

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```

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// DO NOT EDIT THIS FILE - it is machine generated -*- c++ -*-

#ifndef __gnu_javax_sound_AudioSecurityManager$Permission__
define __gnu_javax_sound_AudioSecurityManager$Permission__

#pragma interface

#include <java/lang/Enum.h>
#include <gcj/array.h>

extern "Java"
{
    namespace gnu
    {
        namespace javax
        {
            namespace sound
            {
                class AudioSecurityManager$Permission;
            }
        }
    }
}

class gnu::javax::sound::AudioSecurityManager$Permission : public ::java::lang::Enum
{
    AudioSecurityManager$Permission(::java::lang::String *, jint);

    public:
    static JArray<::gnu::javax::sound::AudioSecurityManager$Permission * > * values();
    static ::gnu::javax::sound::AudioSecurityManager$Permission * valueOf(::java::lang::String *);
    static ::gnu::javax::sound::AudioSecurityManager$Permission * PLAY;
    static ::gnu::javax::sound::AudioSecurityManager$Permission * RECORD;
    static ::gnu::javax::sound::AudioSecurityManager$Permission * ALL;

    private:
    static JArray<::gnu::javax::sound::AudioSecurityManager$Permission * > * ENUM$VALUES;

    public:
    static ::java::lang::Class class$;
};

#endif // __gnu_javax_sound_AudioSecurityManager$Permission__

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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

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1.764 ruby-did-you-mean 1.2.0 2

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

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

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

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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.
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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.

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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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This package was put together by me, James Troup <james@nocrew.org>, from sources, which I obtained from:


and:

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It was previously maintained by Christopher C. Chimelis <chris@debian.org>


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* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-jar/org/springframework/expression/spel/support/StandardOperatorOverloader.java
* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-jar/org/springframework/expression/spel/InternalParseException.java
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  jar/org/springframework/expression/spel/FormatHelper.java
* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-
  jar/org/springframework/expression/spel/ValueRef.java
* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-
  jar/org/springframework/expression/spel/AstUtils.java
* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-
  jar/org/springframework/expression/spel/OpGT.java
* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-
  jar/org/springframework/expression/spel/Identifier.java
* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-
jar/org/springframework/expression/spel/CompiledExpression.java
* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-
jar/org/springframework/expression/spel/ast/OperatorNot.java
* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-
jar/org/springframework/expression/spel/standard/Token.java
* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-
jar/org/springframework/expression/spel/SpelParserConfiguration.java
* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-
jar/org/springframework/expression/spel/ast/OpOr.java
* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-
jar/org/springframework/expression/spel/ast/OpLT.java
* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-
jar/org/springframework/expression/common/ExpressionUtils.java
* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-
jar/org/springframework/expression/spel/ast/VariableReference.java
* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-
jar/org/springframework/expression/spel/ast/Assign.java
* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-
jar/org/springframework/expression/spel/ast/SpelNodeImpl.java
* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-
jar/org/springframework/expression/spel/ast/Ternary.java
* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-
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jar/org/springframework/expression/spel/support/ReflectiveConstructorResolver.java
* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-
jar/org/springframework/expression/spel/SpelCompilerMode.java
* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-
jar/org/springframework/expression/spel/TypedValue.java
* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-
jar/org/springframework/expression/spel/ast/OperatorBetween.java
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* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-jar/org/springframework/expression/spel/support/ReflectionHelper.java
* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-jar/org/springframework/expression/spel/ast/BooleanLiteral.java
* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-jar/org/springframework/expression/spel/standard/TokenKind.java
* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-jar/org/springframework/expression/spel/support/StandardTypeConverter.java
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* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-jar/org/springframework/expression/spel/spel/EvaluationException.java
* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-jar/org/springframework/expression/spel/spel/CodeFlow.java
* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-jar/org/springframework/expression/spel/SpelEvaluationException.java
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* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-jar/org/springframework/expression/OperatorOverloader.java
* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-jar/org/springframework/expression/ConstructorResolver.java
* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-jar/org/springframework/expression/MethodExecutor.java
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* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-jar/org/springframework/expression/ExpressionInvocationTargetException.java
* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-jar/org/springframework/expression/Expression.java
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jar/org/springframework/expression/spel/ExpressionState.java
* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-
jar/org/springframework/expression/spel/ast/OpMultiply.java
* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-
jar/org/springframework/expression/spel/ast/OperatorMatches.java
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jar/org/springframework/expression/spel/ast/Projection.java
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jar/org/springframework/expression/spel/ast/ConstructorReference.java
* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-
jar/org/springframework/expression/spel/support/ReflectiveMethodResolver.java
* /opt/cola/permits/1111264445_1606891654.64/0/spring-expression-4-3-5-release-sources-
jar/org/springframework/expression/spel/standard/SpelCompiler.java
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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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dh_python2, pycompile, pyclean and debpython module:

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1.779 jackson-jaxrs 2.6.3

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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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1.780 jsonpointer 2.0.0

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1.781 pythonpipwhl 9.0.1-2+deb9u2

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1.782 maglev-appserver 1.8.27
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Name: maglev-appserver
Version: 1.8.27
Summary: Maglev Python AppServer(1.8.27)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
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Requires-Dist: MarkupSafe (==1.1.1)
Requires-Dist: aiohttp (==2.2.5)
Requires-Dist: aiohttp-swagger (==1.0.4)
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Requires-Dist: objgraph (==3.1.0)
Requires-Dist: opentracing (==1.3.0)
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Requires-Dist: pika (==0.10.0)
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Requires-Dist: urllib3 (==1.24.3)
Requires-Dist: uvloop (==0.7.0)
Requires-Dist: yarl (==0.18.0)
Requires-Dist: zipp (==1.0.0)

# Installation
+ Requires : Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

# How to test and develop in local mac
- Use pyvenv to create a virtual env in /opt/maglev
- u can either call the activate script to activate the virtualenv

Found in path(s):
* /opt/cola/permits/1175808376_1624494899.8/0/maglev-appserver-1-8-27-dist-info-
zip/inputdir/packages_extracted/targz/1/packages_extracted/3/packages_extracted/3/packages_extracted/50/maglev_
appserver-1.8.27.dist-info/METADATA
1.783 dash 0.5.8-2.1ubuntu2

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This package was debianized by Mark W. Eichin eichin@kitten.gen.ma.us on Mon, 24 Feb 1997 16:00:16 -0500.

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<script type="text/javascript">
var DOCUMENTATION_OPTIONS = {
    URL_ROOT: '../',
    VERSION: '1.13.2',
    COLLAPSE_INDEX: false,
    FILE_SUFFIX: '.html',
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  <div class="content">
    <div class="document">
      <div class="documentwrapper">
        <div class="bodywrapper">
          <div class="body">
            <div class="section" id="mit-kerberos-license-information">
              <span id="mitk5license"></span>
              <h1>MIT Kerberos License information<a class="headerlink" href="#mit-kerberos-license-information" title="Permalink to this headline"></a></h1>
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO include the following files:

lib/gssapi/generic/gssapi_err_generic.et
<span class="n">0pen Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 9153</span><br />

and the initial implementation of incremental propagation, including the following new or changed files:</p>

<div class="highlight-python" style="background-color:#f8f8f8"><div class="highlight"><pre><span class="n">include</span><span class="o">/</span><span class="n">iprop_hdr</span><span class="o">.</span><span class="n">h</span><br />
<span class="n">kadmin</span><span class="o">/</span><span class="n">server</span><span class="o">/</span><span class="n">ipropd_svc</span><span class="o">.</span><span class="n">c</span><br />
<span class="n">lib</span><span class="o">/</span><span class="n">kdb</span><span class="o">/</span><span class="n">iprop</span><span class="o">.</span><span class="n">x</span><br />
<span class="n">lib</span><span class="o">/</span><span class="n">kdb</span><span class="o">/</span><span class="n">kdb_convert</span><span class="o">.</span><span class="n">c</span><br />
<span class="n">lib</span><span class="o">/</span><span class="n">kdb</span><span class="o">/</span><span class="n">kdb_log</span><span class="o">.</span><span class="n">c</span><br />
<span class="n">lib</span><span class="o">/</span><span class="n">kdb</span><span class="o">/</span><span class="n">kdb_log</span><span class="o">.</span><span class="n">h</span><br />
<span class="n">lib</span><span class="o">/</span><span class="n">krb5</span><span class="o">/</span><span class="n">error_tables</span><span class="o">/</span><span class="n">kdb5_err</span><span class="o">.</span><span class="n">et</span><br />
<span class="n">slave</span><span class="o">/</span><span class="n">kpropd_rpc</span><span class="o">.</span><span class="n">c</span><br />
<span class="n">slave</span><span class="o">/</span><span class="n">kproplog</span><span class="o">.</span><span class="n">c</span><br />
</pre></div>
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<title>Copyright &mdash; 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">
var DOCUMENTATION_OPTIONS = {
  URL_ROOT: './',
  VERSION: '1.13.2',
  COLLAPSE_INDEX: false,
  FILE_SUFFIX: '.html',
  HAS_SOURCE: true
};
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.. parsed-literal::

   lib/gssapi/generic/gssapi_err_gssapi.et
   lib/gssapi/mechglue/g_accept_sec_context.c
   lib/gssapi/mechglue/g_acquire_credential.c
   lib/gssapi/mechglue/g_canonicalize_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_export_sec_context.c
   lib/gssapi/mechglue/g_export_name.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/prop.x
    lib/kdb/kdb_convert.c
    lib/kdb/kdb_log.c
    lib/kdb/kdb_log.h
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lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.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
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*
import os
import sys
import re

def warn(fname, ln, msg):
    # This program is intended to be used by "make check-copyright". It
    # checks for violations of the coding standards related to copyright
    # and license statements in source code comments.
print '%s: %d: %s' % (fname, ln + 1, msg)

def indicates_license(line):
    return 'Copyright' in line or 'COPYRIGHT' in line or 'License' in line

# Check a comment for boilerplate violations. Return true if the comment # is a license statement.
def check_comment(comment, fname, ln, code_seen, nonlicense_seen):
    text_seen = False
    is_license = False
    for line in comment:
        if not is_license and indicates_license(line):
            is_license = True
        if text_seen:
            warn(fname, ln, 'License begins after first line of comment')
        elif code_seen:
            warn(fname, ln, 'License after code')
        elif nonlicense_seen:
            warn(fname, ln, 'License after non-license comments')
        break
    # DB2 licenses start with '/*-' and we don't want to change them.
    if line != '' and line != '-':
        text_seen = True
    return is_license

def check_file(lines, fname):
    # Skip emacs mode line if present.
    ln = 0
    if '-*- mode: c;' in lines[ln]:
        ln += 1
    # Check filename comment if present.
    m = re.match(r'/\* (.[^ \]*)? \*/', lines[ln])
    if m:
        if m.group(1) != fname:
            warn(fname, ln, 'Wrong filename in comment')
        ln += 1
    # Scan for license statements.
    in_comment = False
    code_seen = False
    nonlicense_seen = False
    for line in lines[ln:]:
        # Strip out whitespace and comments contained within a line.
        if not in_comment:
            line = re.sub(r'\s*\*\*\s*/\*


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.strip().lstrip())
else:
    if 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)
.. _mitK5license:

MIT Kerberos License information
================================

.. toctree::
   :hidden:

   copyright.rst

.. include:: notice.rst

1.794 libsmartcols 2.31.1 0.4ubuntu3.7

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This package is used for testing builds of ncurses.

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Documents:

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1.800 faraday 1.4.1

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

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 * JSONSchema Validator - Validates JavaScript objects using JSON Schemas
 *(http://www.json.com/json-schema-proposal/)
 *
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 * To use the validator call the validate function with an instance object and an optional schema object.
 * If a schema is provided, it will be used to validate. If the instance object refers to a schema (self-validating), that schema will be used to validate and the schema parameter is not necessary (if both exist, both validations will occur).
 * The validate method will return an array of validation errors. If there are no errors, then an empty list will be returned. A validation error will have two properties:
 * "property" which indicates which property had the error
 * "message" which indicates what the error was
 */

Found in path(s):
* /opt/cola/permits/1173677558_1623725378.39/0/kriszyp-json-schema-v0-2-3-0-g07ae2c6-1-tar-gz/kriszyp-json-schema-07ae2c6/lib/validate.js

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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
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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vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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DRuntime: Runtime Library for the D Programming Language

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1.816 scala-reflect 2.11.8
1.816.1 Available under license:
No license file was found, but licenses were detected in source scan.

/** The entry point into Scala runtime reflection.
 *
 * To use Scala runtime reflection, simply use or import `scala.reflect.runtime.universe._`
 *
 * See [[scala.reflect.api.Universe]] or the
 * for more details.
 */

Found in path(s):
* /opt/cola/permits/1136857585_1613950677.73/0/scala-reflect-2-11-8-sources-1-jar/scala/reflect/runtime/package.scala

1.817 libpythonminimal 2.7.12
1ubuntu0~16.04.8
1.817.1 Available under license:
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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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+----------------+--------------+-----------+------------+-----------------+
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes             |
+----------------+--------------+-----------+------------+-----------------+
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+----------------+--------------+-----------+------------+-----------------+
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| 1.6.1          | 1.6          | 2001      | CNRI       | no              |
+----------------+--------------+-----------+------------+-----------------+
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+----------------+--------------+-----------+------------+-----------------+
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes             |
+----------------+--------------+-----------+------------+-----------------+
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes             |
+----------------+--------------+-----------+------------+-----------------+
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes             |
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Mersenne Twister

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

The `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

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

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Floa
MD5 message digest algorithm

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L. Peter Deutsch
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

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

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

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

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

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

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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:`xmlrpclib` module contains the following notice::

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

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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.cnr.in.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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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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control those activities. However, it does not include the work’s
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* DNS resolver (dirmngr/dns.c)


dns.c - Recursive, Reentrant DNS Resolver.

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1.824 maglev-appctl 1.6.20

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Metadata-Version: 2.0
Name: maglev-appctl
Version: 1.6.20
Summary: Maglev Python Application Controller (1.6.20)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: Jinja2 (>=2.11.3)
Requires-Dist: MarkupSafe (==1.1.1)
Requires-Dist: click (==6.6)
Requires-Dist: click-completion (==0.2.1)
Requires-Dist: hprof2flamegraph (==0.0.6)
Requires-Dist: psutil (==4.3.0)
Requires-Dist: pyJwt (==1.4.0)
Requires-Dist: requests (==2.20.1)
Requires-Dist: toml (==0.9.2)

# Installation
+ Requires : Python 3.5 download the dmg and install, use pyenv to create a virtual environment

# How to test and develop in local mac
- Use pyenv to create a virtual env in /opt/maglev
- u can either call the activate script to activate the virtualenv

Found in path(s):
* /opt/cola/permits/1174732560_1624543742.04/0/maglev-appctl-1.6.20.dist-info-
  zip/inputdir/packages_extracted/tar/1/packages_extracted/2/packages_extracted/usr/local/lib/python3.5/dist-
  packages/maglev_appctl-1.6.20.dist-info/METADATA

1.825 contra 1.9.1

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1.826 adduser 3.113+nmu3ubuntu4

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1.827 iconv-lite 0.4.18

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1.829 brace-expansion 1.1.11
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From d8278f51ecb3c736d697fa3677fa99457210a7d8 Mon Sep 17 00:00:00 2001
From: intrigeri <intrigeri@boum.org>
Date: Sun, 6 Nov 2016 10:48:34 +0100
Subject: [PATCH] dnsmasq: allow libvirt_leaseshelper "m" permission on itself.

Without this, on current Debian unstable, libvirt_leaseshelper crashes when dnsmasq starts it.

Origin: upstream, https://gitlab.com/apparmor/apparmor/commit/d8278f51ecb3c736d697fa3677fa99457210a7d8
Bug-Ubuntu: https://launchpad.net/bugs/1830802

diff --git a/profiles/apparmor.d/usr.sbin.dnsmasq b/profiles/apparmor.d/usr.sbin.dnsmasq
index a83fa94b200..a53bf4e4cd97 100644
--- a/profiles/apparmor.d/usr.sbin.dnsmasq
+++ b/profiles/apparmor.d/usr.sbin.dnsmasq
@@ -92,6 +92,8 @@
 /etc/libnl-3/classid r,
+ /usr/lib{,64}/libvirt/libvirt_leaseshelper m,
+ owner @PROC/@pid/net/psched r,
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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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1.845 readable-stream 2.2.7

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1.846 libyaml 0.2.1-1

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

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

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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
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lib/gssapi/mechglue/g_dup_name.c
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lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
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lib/gssapi/mechglue/g_sign.c
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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/krb5/iprop.x
lib/krb5/kdb_convert.c
lib/krb5/kdb_log.c
lib/krb5/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
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1.851 bsd-mailx 8.1.2-0.20141216cvs-2

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Maintaining folders

Mail includes a simple facility for maintaining groups of messages together
in folders. This section describes this facility.

To use the folder facility, you must tell

Mail

where you wish to keep your folders. Each folder of messages will
be a single file. For convenience, all of your folders are kept in
a single directory of your choosing. To tell
.i Mail
where your folder directory is, put a line of the form
.(l
set folder=letters
.)l
in your
.i .mailrc
file. If, as in the example above, your folder directory does not
begin with a `/,'
.i Mail
will assume that your folder directory is to be found starting from
your home directory. Thus, if your home directory is
.b /home/person
the above example told
.i Mail
to find your folder directory in
.b /home/person/letters .
.pp
Anywhere a file name is expected, you can use a folder name, preceded
with `+.' For example, to put a message into a folder with the
.b save
command, you can use:
.(l
save +classwork
.)l
to save the current message in the
.i classwork
folder. If the
.i classwork
folder does not yet exist, it will be created. Note that messages
which are saved with the
.b save
command are automatically removed from your system mailbox.
.pp
In order to make a copy of a message in a folder without causing
that message to be removed from your system mailbox, use the
.b copy
command, which is identical in all other respects to the
.b save
command. For example,
.(l
copy +classwork
.)l
copies the current message into the
.i classwork
folder and leaves a copy in your system mailbox.
The .b folder command can be used to direct .i Mail to the contents of a different folder. For example,
.i folder +classwork
\% will direct .i Mail to read the contents of the .i classwork folder. All of the commands that you can use on your system mailbox are also applicable to folders, including .b type , .b delete , and .b reply .
To inquire which folder you are currently editing, use simply:
.i folder
\% will cause .i Mail to read your .i classwork folder without looking at your system mailbox.
/*OpenBSD: version.c,v 1.7 2009/10/27 23:59:40 deraadt Exp */
/*NetBSD: version.c,v 1.4 1996/06/08 19:48:46 christos Exp */
*/
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/* SUCH DAMAGE. */
*/

/* Just keep track of the date/sid of this version of Mail. */
/* Load this file first to get a "total" Mail version. */
*/

const char version[] = "8.1.2 01/15/2001";

"$OpenBSD: mail7.nr,v 1.3 2003/06/03 02:56:11 millert Exp $

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This section describes the format of messages. Messages begin with a line, which consists of the word followed by a user name, followed by anything, followed by a date in the format returned by the library routine described in section 3 of the Unix Programmer's Manual. A possible format date is:

Tue Dec  1 10:58:23 1981

The date may be optionally followed by a single space and a time zone indication, which should be three capital letters, such as PDT.

Following the line are zero or more "header field" lines. Each header field line is of the form:

name: information

Name
can be anything, but only certain header fields are recognized as having any meaning. The recognized header fields are:

- article-id
- bcc
- cc
- from
- reply-to
- sender
- subject
- and
to

Other header fields are also significant to other systems; see, for example, the current Arpanet message standard for much more information on this topic.

A header field can be continued onto following lines by making the first character on the following line a space or tab character.

If any headers are present, they must be followed by a blank line.
The part that follows is called the body of the message, and must be ASCII text, not containing null characters. Each line in the message body must be no longer than 512 characters and terminated with an ASCII newline character.

If binary data must be passed through the mail system, it is suggested that this data be encoded in a system which encodes six bits into a printable character (i.e.: uuencode). For example, one could use the upper and lower case letters, the digits, and the characters comma and period to make up the 64 characters. Then, one can send a 16-bit binary number as three characters. These characters should be packed into lines, preferably lines about 70 characters long as long lines are transmitted more efficiently.

The message delivery system always adds a blank line to the end of each message. This blank line must not be deleted.

The UUCP message delivery system sometimes adds a blank line to the end of a message each time it is forwarded through a machine.

It should be noted that some network transport protocols enforce limits to the lengths of messages.

**Mail Command**

<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>t [message list]</td>
<td>type message(s).</td>
</tr>
<tr>
<td>more [message list]</td>
<td>read message(s), through the $PAGER.</td>
</tr>
<tr>
<td>n</td>
<td>goto and type next message.</td>
</tr>
<tr>
<td>e [message list]</td>
<td>edit message(s).</td>
</tr>
<tr>
<td>f [message list]</td>
<td>give head lines of messages.</td>
</tr>
</tbody>
</table>
d [message list] delete message(s).
s [message list] <file> append message(s) to file.
u [message list] undelete message(s).
R [message list] reply to message sender(s).
r [message list] reply to message sender(s) and all recipients.
p [message list] print message list.
pre [message list] make messages go back to /var/mail.
m <recipient list> mail to specific recipient(s).
q quit, saving unresolved messages in mbox.
x quit, do not remove system mailbox.
hprint out active message headers.
! shell escape.

| [msglist] commandpipe message(s) to shell command.
pi [msglist] commandpipe message(s) to shell command.
cd [directory] chdir to directory or home if none given
fi <file> switch to file (%=system inbox, %user=user's system inbox), + searches in your folder directory for the file.
set variable [=value] set Mail variable.

A [message list] consists of integers, ranges of same, :status, /subject, or user names separated by spaces. If omitted, Mail uses the current message. The pipe command doesn't accept user names or subject message list, since that might conflict with the command string.

A <recipient list> consists of recipient addresses or aliases separated by spaces. Aliases are defined in .mailrc in your home directory.

<file> is a full or relative pathname, +folder, % (system inbox), %user (specified user's system inbox), # (previous file), & (mbox file), or an expression understood by ${SHELL:-/bin/sh} -c 'echo ...'.

--------------------------------------------------------------------------------
The following ~ escapes are defined:
~b name ... Add names to "blind" Cc: list.
~c name ... Add names to Cc: field.
~d Read dead.letter into message.
~e Invoke text editor on partial message.
~F messages Same as ~f, but includes all headers.
~f messages Read in messages.
~h Edit the header fields.
~M messages Same as ~m, but includes all headers.
~m messages Read in messages, right shifted by a tab.
~p Print (show) the message buffer.
~q Abort message; optionally save copy to ~/dead.letter.
~r file | ~< file Read a file into the message buffer.
~s string Set Subject: field to string.
~t name ... Add names to To: field.
~v Invoke display editor on message.
~w filename Write message to file.
~x Abort message; no copy is saved.
~? Print a brief summary of tilde escapes.
~!command Execute shell command.
~|command Pipe message through command.
~:command | ~_command Execute a Mail command.
~~string Quote a single tilde.
~. Simulate end of file on input.

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

."$OpenBSD: mail1.nr,v 1.4 2004/06/04 00:04:54 jmc Exp $
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."@(#)mail1.nr8.1 (Berkeley) 6/8/93
." sh 1 Introduction
." Mail
.provides a simple and friendly environment for sending and receiving mail.
It divides incoming mail into
its constituent messages and allows the user to deal with them
in any order. In addition, it provides a set of
.ed -ac
like commands for manipulating messages and sending mail.

Mail offers the user simple editing capabilities to ease the composition
of outgoing messages, as well as providing the ability to define and send
to names which address groups of users. Finally,

Mail is able to send and receive messages across such networks as the
ARPANET, UUCP, and Berkeley network.

This document describes how to use the
Mail program to send and receive messages. The reader is not assumed to
be familiar with other message handling systems, but should be
familiar with the \*UNIX**

** \*UNIX\* is a trademark of Bell Laboratories.

shell, the text editor, and some of the common \*UNIX\* commands.

q "The \*UNIX\* Programmer's Manual,"

q "An Introduction to Csh,"

and

q "Text Editing with Ex and Vi"
can be consulted for more information on these topics.

A word of explanation is in order here concerning the name

Mail:

the original UNIX mail program was known as

/bin/mail.

The BSD mail program was called

Mail to differentiate it from the older mail program.

/bin/mail is not included in OpenBSD so there is no ambiguity and the BSD
mail program is installed as

/usr/bin/mail ;

/usr/bin/Mail

is simply a link for backwards compatibility.
To further confuse the issue, a second link was retained for
compatibility with SystemV systems,

mailx .

In this document, we use the original name, `Mail',
to refer to any of these.

Here is how messages are handled:

the mail system accepts incoming

messages

for you from other people

and collects them in a file, called your
When you log in, the system notifies you if there are any messages waiting in your system mailbox. If you are a csh user, you will be notified when new mail arrives if you inform the shell of the location of your mailbox. On OpenBSD, your system mailbox is located in the directory /var/mail in a file with your login name. If your login name is sam, then you can make

```
.csh
```

notify you of new mail by including the following line in your .cshrc file:

```
set mail=/var/mail/sam
```

When you read your mail using

```
Mail
```

it reads your system mailbox and separates that file into the individual messages that have been sent to you. You can then read, reply to, delete, or save these messages.

Each message is marked with its author and the date they sent it.

```
# OpenBSD: Makefile,v 1.4 2004/02/01 15:19:57 jmc Exp $
#@(#)Makefile8.1 (Berkeley) 6/8/93
```

```
DIR=sd/07.mail
SRCS=mail0.nr mail1.nr mail2.nr mail3.nr mail4.nr mail5.nr mail6.nr mail7.nr mail8.nr mail9.nr maila.nr
MACROS=-me
```

```
paper.ps: ${SRCS}
$[TBL] ${SRCS} | ${ROFF} > ${.TARGET}
```

```
paper.txt: ${SRCS}
$[TBL] ${SRCS} | ${ROFF} -Tascii > ${.TARGET}
```

```
.include <bsd.doc.mk>
```

```
"OpenBSD: mail2.nr,v 1.5 2004/06/04 00:04:54 jmc Exp $
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```

```
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 9806
```

```
The `Mail` command has two distinct usages, according to whether one wants to send or receive mail. Sending mail is simple: to send a message to a user whose login name is, say, `root`, use the shell command:

```
% Mail root
```

then type your message. When you reach the end of the message, type an EOT (Control-D) at the beginning of a line, which will cause Mail to echo `EOT` and return you to the Shell. When the user you sent mail to next logs in, he will receive the message:

```
You have mail.
```

to alert him to the existence of your message.

If, while you are composing the message you decide that you do not wish to send it after all, you can abort the letter with a <Control-C>. Typing a single <Control-C> causes Mail...
to print

(Interrupt -- one more to kill letter)

Typing a second
<Control-C> causes
.i Mail
to save your partial letter on the file
.q dead.letter
in your home directory and abort the letter.
Once you have
sent mail to someone, there is no way to undo the act, so be
careful.

The message your recipient reads will consist of the message you
typed, preceded by a line telling who sent the message (your login name)
and the date and time it
was sent.

If you want to send the same message to several other people, you can list
their login names on the command line.
Thus,

% Mail sam bob john
Tuition fees are due next Friday. Don't forget!!
<Control-D>
EOT
%  
.i Mail
will send the reminder to sam, bob, and john.

If, when you log in, you see the message,

% Mail
you can read the mail by typing simply:

% Mail
.i Mail
will respond by typing its version number and date and then listing
the messages you have waiting. Then it will type a prompt and await
your command. The messages are assigned numbers starting with 1 \*- you
refer to the messages with these numbers.
.i Mail
keeps track of which messages are
.i new
(have been sent since you last read your mail) and
(have been read by you). New messages have an
next to them in the header listing and old, but unread messages have
a
next to them.
keeps track of new/old and read/unread messages by putting a
header field called
into your messages.
To look at a specific message, use the
command, which may be abbreviated to simply.
For example, if you had the following messages:

```
N 1 root     Wed Sep 21 09:21  "Tuition fees"
N 2 sam      Tue Sep 20 22:55
```

you could examine the first message by giving the command:

```
type 1
```

which might cause

to respond with, for example:

```
Message  1:
From root  Wed Sep 21 09:21:45 1978
Subject: Tuition fees
Status: R

Tuition fees are due next Wednesday. Don't forget!!
```

Many

commands that operate on messages take a message number as an
argument like the

command. For these commands, there is a notion of a current
message. When you enter the

program, the current message is initially the first one. Thus,
you can often omit the message number and use, for example,
to type the current message. As a further shorthand, you can type a message by simply giving its message number. Hence,

would type the first message.

Frequently, it is useful to read the messages in your mailbox in order, one after another. You can read the next message in

by simply typing a newline. As a special case, you can type a newline as your first command to

to type the first message.

If, after reading a message, you wish to immediately send a reply, you can do so with the

command.

like

takes a message number as an argument.
	hen begins a message addressed to the user who sent you the message. You may then type in your letter in reply, followed by a <Control-D> at the beginning of a line, as before.

will type EOT, then type the ampersand prompt to indicate its readiness to accept another command. In our example, if, after typing the first message, you wished to reply to it, you might give the command:

responds by typing:

and waiting for you to enter your letter.

You are now in the message collection mode described at the beginning of this section and

will gather up your message up to a <Control-D>.
Note that it copies the subject header from the original message. This is useful in that correspondence about a particular matter will tend to retain the same subject heading, making it easy to recognize. If there are other header fields in the message, the information found will also be used.

For example, if the letter had a "To:" header listing several recipients, Mail would arrange to send your reply to the same people as well. Similarly, if the original message contained a "Cc:" (carbon copies to) field, Mail would send your reply to those users, too.

Mail is careful, though, not to send the message to you, even if you appear in the "To:" or "Cc:" field, unless you ask to be included explicitly. See section 4 for more details.

After typing in your letter, the dialog with Mail might look like the following:

```
reply
To: root
Subject: Tuition fees

Thanks for the reminder
EOT
&
>)
.p
The .b reply command is especially useful for sustaining extended conversations over the message system, with other .q listening users receiving copies of the conversation. The .b reply command can be abbreviated to
Sometimes you will receive a message that has been sent to several people and wish to reply to the person who sent it. Reply with a capital R replies to a message, but sends a copy to the sender only.

If you wish, while reading your mail, to send a message to someone, but not as a reply to one of your messages, you can send the message directly with the mail command, which takes as arguments the names of the recipients you wish to send to. For example, to send a message to frank, you would do:

```
mail frank
```

This is to confirm our meeting next Friday at 4.

EOT &

The mail command can be abbreviated to m.

Normally, each message you receive is saved in the file mbox in your login directory at the time you leave Mail. Often, however, you will not want to save a particular message you have received because it is only of passing interest. To avoid saving a message in mbox you can delete it using the delete command. In our example,

```
delete 1
```

will prevent Mail from saving message 1 (from root) in
In addition to not saving deleted messages, Mail will not let you type them, either. The effect is to make the message disappear altogether, along with its number. The delete command can be abbreviated to simply `d`.

Many features of Mail can be tailored to your liking with the `set` command. The `set` command has two forms, depending on whether you are setting a binary option or a valued option. Binary options are either on or off. For example, the `ask` option informs Mail that each time you send a message, you want it to prompt you for a subject header, to be included in the message. To set the `ask` option, you would type

```
set ask
```

Another useful Mail option is `hold`. Unless told otherwise, Mail moves the messages from your system mailbox to the file `mbox` in your home directory when you leave. If you want Mail to keep your letters in the system mailbox instead, you can set the
Valued options are values which \texttt{Mail} uses to adapt to your tastes. For example, the \texttt{SHELL} option tells \texttt{Mail} which shell you like to use, and is specified by
\begin{verbatim}
set SHELL=/bin/csh
\end{verbatim}
for example. Note that no spaces are allowed in "SHELL=/bin/csh." A complete list of the \texttt{Mail} options appears in section 5.

Another important valued option is \texttt{crt}. If you use a fast video terminal, you will find that when you print long messages, they fly by too quickly for you to read them. With the \texttt{crt} option, you can make \texttt{Mail} print any message larger than a given number of lines by sending it through a paging program. This program is specified by the valued option \texttt{PAGER}.

If \texttt{PAGER} is not set, a default paginator is used. For example, most CRT users with 24-line screens should do:
\begin{verbatim}
set crt=24
\end{verbatim}
to paginate messages that will not fit on their screens.

In the default state, \texttt{more} (default paginator) prints a screenful of information, then types `byte XXX', where `XXX' represents the number of bytes paginated.

Type a space to see the next screenful.

Another adaptation to user needs that \texttt{Mail} provides is that of \texttt{aliases}.

An alias is simply a name which stands for one or more real user names.
sent to an alias is really sent to the list of real users associated with it. For example, an alias can be defined for the members of a project, so that you can send mail to the whole project by sending mail to just a single name. The .b alias command in .i Mail defines an alias. Suppose that the users in a project are named Sam, Sally, Steve, and Susan. To define an alias called .q project for them, you would use the .i Mail command:

```
.alias project sam sally steve susan
```

The .b alias command can also be used to provide a convenient name for someone whose user name is inconvenient. For example, if a user named .q "Bob Anderson" had the login name .q anderson, you might want to use:

```
alias bob anderson
```

so that you could send mail to the shorter name, .q bob.

While the .b alias and .b set commands allow you to customize .i Mail, they have the drawback that they must be retyped each time you enter .i Mail. To make them more convenient to use, .i Mail always looks for two files when it is invoked. It first reads a system wide file .q /etc/mail.rc, then a user specific file, .q .mailrc, which is found in the user's home directory. The system wide file is maintained by the system administrator and
contains
.b set
commands that are applicable to all users of the system.
The
.q .mailrc
file is usually used by each user to set options the way he likes
and define individual aliases.
For example, my .mailrc file looks like this:
.q
set ask nosave SHELL=/bin/csh
.q
As you can see, it is possible to set many options in the
same
.b set
command. The
.q nosave
option is described in section 5.
.q
Mail aliasing is implemented
at the system-wide level
by the mail delivery
system
.i sendmail .
These aliases are stored in the file /etc/mail/aliases and are
accessible to all users of the system.
The lines in /etc/mail/aliases are of
the form:
.q
alias: name\*<1\*>, name\*<2\*>, name\*<3\*>
.q
where
.i alias
is the mailing list name and the
.i name\*<i\*>
are the members of the list. Long lists can be continued onto the next
line by starting the next line with a space or tab. Remember that you
must execute the command
.i newaliases
(as superuser)
after editing /etc/mail/aliases since the delivery system
uses an indexed file created by
.i newaliases .
.q
We have seen that
.i Mail
can be invoked with command line arguments which are people
to send the message to, or with no arguments to read mail.
Specifying the
flag on the command line causes

to read messages from a file other than your system mailbox.
For example, if you have a collection of messages in
the file

you can use

to read them with:

You can use all
the
commands described in this document to examine, modify, or delete
messages from your
file, which will be rewritten when you leave
with the
command described below.

Since mail that you read is saved in the file
in your home directory by default, you can read
in your home directory by using simply

Normally, messages that you examine using the
command are saved in the file
in your home directory if you leave
with the
command described below.
If you wish to retain a message in your system mailbox
you can use the
command to tell
to leave it there.
The
command accepts a list of message numbers, just like
and may be abbreviated to
.of pre .
Messages in your system mailbox that you do not examine are
normally retained in your system mailbox automatically.
If you wish to have such a message saved in
without reading it, you may use the
command to have them so saved. For example,
(l
)l
in our example would cause the second message (from sam)
to be saved in
when the
command is executed.
.is the way to direct messages to your
file if you have set the
option described above.
.can be abbreviated to
.-mb .
-pp
When you have perused all the messages of interest, you can leave
Mail
with the
command, which saves the messages you have typed but not
deleted in the file
in your login directory. Deleted messages are discarded irretrievably,
and messages left untouched are preserved in your system mailbox so
that you will see them the next time you type:
(l
% Mail
)l
The
.b quit
command can be abbreviated to simply
.b q .
.pp
If you wish for some reason to leave
.i Mail
quickly without altering either your system mailbox or
.i mbox ,
you can type the
.b x
command (short for
.b exit ),
which will immediately return you to the Shell without changing anything.
.pp
If, instead, you want to execute a Shell command without leaving
.i Mail ,
you
can type the command preceded by an exclamation point, just as in the
text editor. Thus, for instance:
.(!
!date
).!l
will print the current date without leaving
.i Mail .
.pp
Finally, the
.b help
command is available to print out a brief summary of the
.i Mail
commands, using only the single character command abbreviations.
'"$OpenBSD: mail.1,v 1.70 2014/12/16 18:37:17 millert Exp $
'"'
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@(#)mail.18.8 (Berkeley) 4/28/95

MAIL 1
Os
NAME mail ,
Nm mail ,
Nm mailx ,
Nm Mail
Nd send and receive mail
SYNOPSIS
Nm mail
.Bk -words
.Op Fl dElinv
.Op Fl b Ar list
.Op Fl c Ar list
.Op Fl s Ar subject
.Ar to-addr ...
Ek
.Nm mail
.Op Fl dElInv
.Fl f
.Op Ar file
.Nm mail
.Op Fl dElInv
.Op Fl u Ar user
.DESCRIPTION
 NM mail
is an intelligent mail processing system which has
a command syntax reminiscent of
.Xr ed 1
with lines replaced by messages.
.Pp
The options are as follows:
.Bl -tag -width Ds
.It Fl b Ar list
Send blind carbon copies to
Send carbon copies to a list of users. The list should be a comma separated list of names.

Causes mail to output all sorts of information useful for debugging.

Don't send messages with an empty body.

Use an alternate mailbox. Defaults to the user's mbox if no file is specified.

When quit, mail writes undeleted messages back to this file.

Forces mail to run in interactive mode, even when input is not a terminal. In particular, the special ~ command character, used when sending mail, is only available interactively.

Ignore tty interrupt signals. This is particularly useful when using mail on noisy phone lines.

Inhibits initial display of message headers when reading mail or editing a mail folder.

Inhibits reading /etc/mail.rc upon startup.

Specify subject on command line (only the first argument after the
flag is used as a subject; be careful to quote subjects containing spaces).

Equivalent to:

```
mail -f /var/mail/user
```

except that locking is done.

```
mail -v
```

Verbose mode.
The details of delivery are displayed on the user's terminal.

### Startup actions

At startup time, `mail` will execute commands in the system command file, `/etc/mail.rc`, unless explicitly told not to by using the `n` option.

Next, the commands in the user's personal command file `~/.mailrc` are executed.

Then examines its command line options to determine whether the user requested a new message to be sent or existing messages in a mailbox to be examined.

### Sending mail

To send a message to one or more people,

```
mail
```

can be invoked with arguments which are the names of people to whom the mail will be sent.
You are then expected to type in your message, followed by a control-D at the beginning of a line.

The section below, `Replying to or originating mail`, describes some features of `mail` available to help you compose your letter.

### Reading mail

In normal usage, `mail` is given no arguments and checks your mail out of the
post office, then
prints out a one line header of each message found.
The current message is initially set to the first message (numbered 1)
and can be printed using the
.Ic print
command (which can be abbreviated
.Ic p ).
Moving among the messages is much like moving between lines in
.Xr ed 1 ;
you may use
.Ic +
and
.Ic -
to shift forwards and backwards, or simply enter a message number to move
directly.
.Ss Disposing of mail
After examining a message you can
.Ic delete
.Pq Ic d
or
.Ic reply
.Pq Ic r
to it.
Deletion causes the
.Nm mail
program to forget about the message.
This is not irreversible; the message can be
.Ic undeleted
.Pq Ic u
by giving its number, or the
.Nm mail
session can be aborted by giving the
.Ic exit
.Pq Ic x
command.
Deleted messages, however, will usually disappear, never to be seen again.
.Ss Specifying messages
Commands such as
.Ic print
and
.Ic delete
can be given a list of message numbers as arguments to apply
to a number of messages at once.
Thus
.Ic delete 1 2
deletes messages 1 and 2, while
.Ic delete 1-5
deletes messages 1 through 5.
Messages may also be selected using one of the following categories:

all messages  
last message  
deleted messages  
new messages  
old messages  
read messages  
unread messages  

Thus the command

which prints the first few lines of a message, could be used in

to print the first few lines of all messages.

Replying to or originating mail

You can use the command to set up a response to a message, sending it back to the person who it was from.

Text you then type in, up to an end-of-file, defines the contents of the message.

While you are composing a message,

 treats lines beginning with the tilde character specially. For instance, typing

(alone on a line) will place a copy of the current message into the response, right shifting it by a single tab-stop (see the variable, below). Other escapes will set up subject fields, add and delete recipients to the message, and allow you to escape to an editor to revise the
message or to a shell to run some commands.
(These options are given in the summary below.)

.Ss Ending a mail processing session
You can end a 
.Nm mail
session with the 
.Ic quit
.Pq Ic q
command.
Messages which have been examined go to your 
.Ar mbox
file unless they have been deleted, in which case they are discarded.
Unexamined messages go back to the post office (see the 
.Fl f
option above).

.Ss Personal and system wide distribution lists
It is also possible to create personal distribution lists so that,
for instance, you can send mail to 
.Dq Li cohorts
and have it go
to a group of people.
Such lists can be defined by placing a line like
.Pp
.Di alias cohorts bill ozalp jkf mark kridle@ucbcory
.Pp
in the file
.Ar .mailrc
in your home directory.
The current list of such aliases can be displayed with the
.Ic alias
command in
.Nm mail.
System wide distribution lists can be created by editing
.Ar /etc/mail/aliases
(see
.Xr aliases 5 );
these are kept in a different syntax.
In mail you send, personal aliases will be expanded in mail sent
to others so that they will be able to
.Ic reply
to the recipients.
System wide aliases
are not expanded when the mail is sent,
but any reply returned to the machine will have the system wide
alias expanded as all mail goes through an MTA.

.Ss Recipient address specifications
Recipient addresses (any of the
header fields) are subject to expansion when the
.expandaddr option is set.

An address may be expanded as follows:

- An address that starts with a pipe character is treated as a command to run. The command immediately following the pipe character is executed with the message as its standard input.
- An address that starts with a plus character is treated as a folder.
- An address that contains a forward slash character but no special characters is also treated as a folder.
- If none of the above apply, the recipient is treated as a local or network mail address.

If the expandaddr option is not set (the default), no expansion is performed and the recipient is treated as a local or network mail address.

Network mail (ARPA, UUCP, Berknet)

See mailaddr 7 for a description of network addresses.

mail has a number of options which can be set in the .mailrc file to alter its behavior; thus
.Ic set askcc
enables the
.Ar askcc
feature.
(These options are summarized below.)
.Sh SUMMARY
(Adapted from the
.Dq Mail Reference Manual .)
.Pp
Each command is typed on a line by itself, and may take arguments
following the command word.
The command need not be typed in its
entirety -- the first command which matches the typed prefix is used.
For commands which take message lists as arguments, if no message
list is given, then the next message forward which satisfies the
command's requirements is used.
If there are no messages forward of
the current message, the search proceeds backwards, and if there are no
good messages at all,
.Nm mail
types
.Dq \&No applicable messages
and
aborts the command.
.Bl -tag -width delete
.It Ic -
Print out the preceding message.
If given a numeric
argument
.Ar n ,
goes to the
.Ar n Ns th
previous message and prints it.
.It Ic \&?
Prints a brief summary of commands.
.It Ic \&!
Executes the shell
(see
.Xr sh 1
and
.Xr csh 1 )
command which follows.
.It Ic alias
.Pq Ic a
With no arguments, prints out all currently defined aliases.
With one
argument, prints out that alias.
With more than one argument, creates
a new alias or changes an old one.

The `alternates` command is useful if you have accounts on several machines.
It can be used to inform

```
mail
```
that the listed addresses are really you.
When you

```
reply
to messages,
```

```
mail
```
will not send a copy of the message to any of the addresses
listed on the

```
alternates
```
list.
If the

```
alternates
```
command is given with no argument, the current set of alternate
names is displayed.

```
chdir
```
Changes the user's working directory to that specified, if given.
If

no directory is given, then changes to the user's login directory.

```
copy
```
The `copy` command does the same thing that

```
save
```
does, except that it does not mark the messages it
is used on for deletion when you quit.

```
delete
```
Takes a list of messages as argument and marks them all as deleted.
Deleted messages will not be saved in

```
mbox
```
or will they be available for most other commands.

```
dp
```
(also

```
dt
```
Deletes the current message and prints the next message.
If there is no next message,

```
mail
```
says

```
"No more messages."
```
.It lc edit
.Pq lc e
Takes a list of messages and points the text editor at each one in turn.
On return from the editor, the message is read back in.
 .It lc exit
 .Pf ( lc ex
 or
 .lc x )
Effects an immediate return to the shell without modifying the user's system mailbox, his
 .Ar mbox
 file, or his edit file in
 .Fl f .
 .It lc file
 .Pq lc fi
The same as
 .lc folder .
 .It lc folder
 .Pq lc fo
The
 .lc folder
 command switches to a new mail file or folder.
With no arguments, it tells you which file you are currently reading.
If you give it an argument, it will write out changes (such as deletions) you have made in the current file and read in the new file.
Some special conventions are recognized for the name.
# means the previous file, % means your system mailbox, %user means user's system mailbox, & means your
 .Ar mbox
 file, and
+folder means a file in your folder directory.
 .It lc folders
 List the names of the folders in your folder directory.
 .It lc from
 .Pq lc f
 Takes a list of messages and prints their message headers.
 .It lc headers
 .Pq lc h
 Lists the current windowful of headers.
To view the next or previous group of headers, see the
 .lc z
 command.
It \c help
A synonym for \c \&?.
It \c hold
.Pf ( \c ho ,
also
\c preserve )
Takes a message list and marks each
message therein to be saved in the
user's system mailbox instead of in
.Ar mbox .
Does not override the
\c delete
command.
It \c ignore
Add the list of header fields named to the
.Ar ignored list .
Header fields in the ignore list are not printed
on your terminal when you print a message.
This
command is very handy for suppression of certain machine-generated
header fields.
The
\c Type
and
\c Print
commands can be used to print a message in its entirety, including
ignored fields.
If
\c ignore
is executed with no arguments, it lists the current set of
ignored fields.
It \c inc
Incorporate any new messages that have arrived while mail
is being read.
The new messages are added to the end of the message list,
and the current message is reset to be the first new mail message.
This does not renumber the existing message list, nor
does it cause any changes made so far to be saved.
It \c list
.Pq \c l
List the valid
.Nm
commands.
It \c mail
.Pq \c m
Takes as argument login names and distribution group names and sends
mail to those people.
.It Ic mbox
Indicate that a list of messages be sent to
.Ar mbox
in your home directory when you quit.
This is the default
action for messages if you do
.Em not
have the
.Ic hold
option set.
.It Ic more
.Pq Ic \&mo
Takes a message list and invokes the pager on that list.
.It Ic next
.Pq Ic n
(like
.Ic +
or
.Tn CR )
Goes to the next message in sequence and types it.
With an argument list, types the next matching message.
.It Ic preserve
.Pq Ic pre
A synonym for
.Ic hold
 .It Ic Print
.Pq Ic P
Like
.Ic print
but also prints out ignored header fields.
See also
.Ic print ,
.Ic ignore ,
and
.Ic retain .
.It Ic print
.Pq Ic p
Takes a message list and types out each message on the user's terminal.
.It Ic quit
.Pq Ic q
Terminates the session, saving all undeleted, unsaved messages in
the user's
.Ar mbox
file in his login directory, preserving all messages marked with
.Ic hold
or
.Ic preserve
or never referenced
in his system mailbox, and removing all other messages from his system mailbox.
If new mail has arrived during the session, the message
.Dq Li "You have new mail"
is given.
If given while editing a
mailbox file with the
.Fl f
flag, then the edit file is rewritten.
A return to the shell is
effected, unless the rewrite of edit file fails, in which case the user
can escape with the
.Jc exit
command.
.Jt It Ic Reply
.Pq Ic R
Reply to originator.
Does not reply to other
recipients of the original message.
.Jt It Ic reply
.Pq Ic r
Takes a message list and sends mail to the sender and all
recipients of the specified message.
The default message must not be deleted.
.Jt It Ic respond
A synonym for
.Jc reply .
.Jt It Ic retain
Add the list of header fields named to the
.Ar retained list .
Only the header fields in the retain list
are shown on your terminal when you print a message.
All other header fields are suppressed.
The
.Jc Type
and
.Jc Print
commands can be used to print a message in its entirety.
If
.Jc retain
is executed with no arguments, it lists the current set of
retained fields.
.Jt It Ic save
.Pq Ic s
Takes a message list and a filename and appends each message in
turn to the end of the file.
The filename in quotes, followed by the line
count and character count is echoed on the user's terminal.
Header fields thus marked are filtered out when saving a message by
.or save
or when automatically saving to
.or mbox
.or saveretain
.or saveretain
.is to
.or save
.or saveignore
.or save
.or saveretain
 overrides
.or saveignore
.or set
(or no arguments, prints all variable values.
Otherwise, sets
.option.
.Arguments are of the form
.or option=value
(no space before or after =) or
.or option
. Quotation marks may be placed around any part of the assignment statement to quote blanks or tabs, i.e.,
.or set indentprefix="->"
.or shell
.or sh
Invokes an interactive version of the shell.
.It Ic size
Takes a message list and prints out the size in characters of each
message.
 .It Ic source
The
 .lc source
command reads
commands from a file.
 .It Ic top
Takes a message list and prints the top few lines of each.
The number of
lines printed is controlled by the variable
 .lc toplines
and defaults to five.
 .It Ic Type
 .Pq Ic T
Identical to the
 .lc Print
command.
 .It Ic type
 .Pq Ic t
A synonym for
 .lc print .
 .It Ic unalias
Takes a list of names defined by
 .lc alias
commands and discards the remembered groups of users.
The group names
no longer have any significance.
 .It Ic undelete
 .Pq Ic u
Takes a message list and marks each message as not being deleted.
 .It Ic unread
 .Pq Ic U
Takes a message list and marks each message as not having been read.
 .It Ic unset
Takes a list of option names and discards their remembered values;
the inverse of
 .lc set .
 .It Ic visual
 .Pq Ic v
Takes a message list and invokes the display editor on each message.
 .It Ic write
 .Pq Ic w
Similar to
 .lc save ,
extcept that
 .lc only
the message body
(without the header)
is saved.
Extremely useful for such tasks as sending and receiving source
program text over the message system.
.show exit
.show x
A synonym for
.exit.
.show z
.email
presents message headers in windowfuls as described under the
.show headers command.
You can move
.email Ns 's
attention forward to the next window with the
.show z command.
Also, you can move to the previous window by using
.show z-.
.show
-tilde escapes
Here is a summary of the tilde escapes,
which are used when composing messages to perform
special functions.
Tilde escapes are only recognized at the beginning
of lines.
The name
.show tilde escape
is somewhat of a misnomer since the actual escape character can be set
by the option
.show escape.
.show
-tilde escapes
Add the given names to the list of carbon copy recipients but do not make
the names visible in the Cc: line ("blind" carbon copy).
.show
-tilde escapes
Add the given names to the list of carbon copy recipients.
.show
-tilde escapes
Read the file
te from your home directory into the message.
.show
Invoke the text editor on the message collected so far. After the editing session is finished, you may continue appending text to the message.

`.Pp
`.It lc ~F Ns Ar messages
Identical to `.It lc ~f ,
except all message headers are included.

`.Pp
`.It lc ~f Ns Ar messages
Read the named messages into the message being sent. If no messages are specified, read in the current message.
Message headers currently being ignored (by the `.It lc ignore
or `.It lc retain
command) are not included.

`.Pp
`.It lc ~h
Edit the message header fields by typing each one in turn and allowing the user to append text to the end or modify the field by using the current terminal erase and kill characters.

`.Pp
`.It lc ~M Ns Ar messages
Identical to `.It lc ~m ,
except all message headers are included.

`.Pp
`.It lc ~m Ns Ar messages
Read the named messages into the message being sent, indented by a tab or by the value of `.Va indentprefix .
If no messages are specified, read the current message.
Message headers currently being ignored (by the `.It lc ignore
or `.It lc retain
command) are not included.

`.Pp
`.It lc ~p
Print out the message collected so far, prefaced by the message header fields.

`.Pp
`.It lc ~q
Abort the message being sent, copying the message to `.Pa dead.letter
in your home directory if
.Ic save
is set.
.Pp
.Ic ~r Ns Ar filename
.Ic ~< Ns Ar filename
Read the named file into the message.
.Pp
.Ic ~s Ns Ar string
Cause the named string to become the current subject field.
.Pp
.Ic ~t Ns Ar name ...
Add the given names to the direct recipient list.
.Pp
.Ic ~v
Invoke an alternate editor (defined by the
.Ev VISUAL
option) on the
message collected so far.
Usually, the alternate editor will be a
screen editor.
After you quit the editor, you may resume appending
text to the end of your message.
.Pp
.Ic ~w Ns Ar filename
Write the message onto the named file.
.Pp
.Ic ~x
Abort the message being sent.
No message is copied to
.Pa ~/dead.letter ,
even if
.Ic save
is set.
.Pp
.Ic ~?
Prints a brief summary of tilde escapes.
.Pp
.Ic ~! Ns Ar command
Execute the indicated shell command, then return to the message.
.Pp
.Ic ~| Ns Ar command
Pipe the message through the command as a filter.
If the command gives
no output or terminates abnormally, retain the original text of the
message.
The command
.Xr fmt 1
is often used as
.Ic command
to rejustify the message.
.Pp
.Ic ~: Ns Ar mail-command
.Ic ~: Ns Ar mail-command
Execute the given mail command.
Not all commands, however, are allowed.
.Pp
.Ic ~~ Ns Ar string
Insert the string of text in the message prefaced by a single ~.
If
you have changed the escape character, then you should double
that character in order to send it.
.Pp
.Ic ~.
Simulate end of file on input.
.El
.Ss Mail options
Options are controlled via
.Ic set
and
.Ic unset
commands.
Options may be either binary, in which case it is only
significant to see whether they are set or not; or string, in which
case the actual value is of interest.
The binary options include the following:
.Bl -tag -width append
.Ic Ar append
Causes messages saved in
.Ar mbox
to be appended to the end rather than prepended.
This should always be set (perhaps in
.Pa /etc/mail.rc).
.Ic Ar ask , asksub
Causes
.Nm mail
to prompt you for the subject of each message you send.
If
you respond with simply a newline, no subject field will be sent.
.Ic Ar askbcc
Causes you to be prompted for additional blind carbon copy recipients at the
depth of each message.
Responding with a newline indicates your
satisfaction with the current list.
.Ic Ar askcc
Causes you to be prompted for additional carbon copy recipients at the
end of each message.
Responding with a newline indicates your
satisfaction with the current list.
.Ar autoinc
Causes new mail to be automatically incorporated when it arrives.
Setting this is similar to issuing the
.Ar inc
command at each prompt, except that the current message is not
reset when new mail arrives.
.Ar autoprint
Causes the
.Ar delete
command to behave like
.Ar dp ;
thus, after deleting a message, the next one will be typed
automatically.
.Ar debug
Setting the binary option
.Ar debug
is the same as specifying
.Fl d
on the command line and causes
.Nm mail
to output all sorts of information useful for debugging
.Nm mail .
.Ar dot
The binary option
.Ar dot
causes
.Nm mail
to interpret a period alone on a line as the terminator
of a message you are sending.
.Ar expandaddr
Causes
.Nm mail
to expand message recipient addresses, as explained in the section
.Sx Recipient address specifications .
.Ar hold
This option is used to hold messages in the system mailbox
by default.
.Ar ignore
Causes interrupt signals from your terminal to be ignored and echoed as
@’s.
.Ar ignoreeof
An option related to
.Ar dot
is
.Ar ignoreeof
which makes
.Nm mail
refuse to accept a control-D as the end of a message.
.Ar ignoreeof
also applies to
.Nm mail
command mode.
.It Ar keep
Setting this option causes
.Nm
to truncate your system mailbox instead of deleting it
when it's empty.
.It Ar keepsave
Messages saved with the
.Ic save
command are not normally saved in
.Ar mbox
at quit time.
Use this option to retain those messages.
.It Ar metoo
Usually, when a group is expanded that contains the sender, the sender
is removed from the expansion.
Setting this option causes the sender
to be included in the group.
.It Ar noheader
Setting the option
.Ar noheader
is the same as giving the
.Fl N
flag on the command line.
.It Ar nosave
Normally, when you abort a message with two interrupt characters
(usually control-C),
.Nm mail
copies the partial letter to the file
.Pa dead.letter
in your home directory.
Setting the binary option
.Ar nosave
prevents this.
.It Ar quiet
 Suppresses the printing of the version when first invoked.
.It Ar Replyall
Reverses the sense of
.Ic reply
and
.Ic Reply
commands.
.It Ar searchheaders
If this option is set, then a message-list specifier in the form
  .Dq /x:y
will expand to all messages containing the substring
  .Sq y
in the header
field
  .Sq x.
The string search is case insensitive.
If
  .Sq x
is omitted, it will default to the
  .Dq Subject
header field.
The form
  .Dq /to:y
is a special case, and will expand
to all messages containing the substring
  .Sq y
in the
  .Dq To,  
  .Dq Cc
or
  .Dq Bcc
header fields.
The check for
  .Dq to
is case sensitive, so that
  .Dq /To:y
can be used to limit the search for
  .Sq y
to just the
  .Dq To:
field.
.It Ar skipempty
Don't send messages with an empty body.
.It Ar verbose
Setting the option
  .Ar verbose
is the same as using the
  .Fl v
flag on the command line.
When
  .Nm
runs in verbose mode,
the actual delivery of messages is displayed on the user's
terminal.
.El
Option string values

EDITOR
Pathname of the text editor to use in the `edit` command and `~e` escape. If not defined, `/usr/bin/ex` is used.

LISTER
Pathname of the directory lister to use in the `folders` command. Default is `/bin/ls`.

MBOX
The name of the `mbox` file. It can be the name of a folder. The default is `~/.mbox` in the user's home directory.

PAGER
Pathname of the program to use in the `more` command or when the `crt` variable is set. The default paginator `more` is used if this option is not defined.

SHELL
Pathname of the shell to use in the `!&` command and the `~!&` escape. A default shell is used if this option is not defined.

TMPDIR
Directory in which temporary files are stored.

VISUAL
Pathname of the text editor to use in the `visual` command and
escape.
If not defined, 
Pa /usr/bin/vi
is used.
恬 Ar crt
The valued option
恬 Ar crt
is used as a threshold to determine how long a message must
be before
恬 Ev PAGER
is used to read it.
If
恬 Ar crt
is set without a value,
then the height of the terminal screen stored in the system
is used to compute the threshold (see
恬 Xr stty 1 ) .
恬 Ar escape
If defined, the first character of this option gives the character to
use in the place of ~ to denote escapes.
恬 Ar folder
The name of the directory to use for storing folders of
messages.
If this name begins with a
恬 Ql / ,
恬 Nm mail
considers it to be an absolute pathname; otherwise, the
folder directory is found relative to your home directory.
恬 Ar indentprefix
String used by the
恬 Ic ~m
tilde escape for indenting messages, in place of the normal tab character
恬 Pq Sq ^I .
Be sure to quote the value if it contains
spaces or tabs.
恬 Ar record
If defined, gives the pathname of the file used to record all outgoing
mail.
If not defined, then outgoing mail is not so saved.
恬 Ar screen
Size of window of message headers for
恬 Ic z .
恬 Ar sendmail
Pathname to an alternative mail delivery system.
恬 Ar toplines
If defined, gives the number of lines of a message to be printed out
with the
command; normally, the first five lines are printed.
.El
.Sh ENVIRONMENT
.Nm mail
utilizes the
.Ev HOME ,
.Ev LOGNAME ,
.Ev MAIL ,
.Ev MAILRC ,
and
.Ev USER
environment variables.
.Pp
If the
.Ev MAIL
environment variable is set, its value is used as the path to the
user's mail spool.
.Sh FILES
.Bl -tag -width /usr/share/misc/mail.*help -compact
.It Pa /var/mail/*
post office (unless overridden by the
.Ev MAIL
environment variable)
.It ~/.mbox
user's old mail
.It ~/.mailrc
file giving initial mail commands; can be overridden by setting the
.Ev MAILRC
environment variable
.It Pa /tmp/R*
temporary files
.It Pa /usr/share/misc/mail.*help
help files
.It Pa /etc/mail.rc
system initialization file
.El
.Sh EXIT STATUS
.Ex -std mail
.Sh SEE ALSO
.Xr fmt 1 ,
.Xr lockspool 1 ,
.Xr vacation 1 ,
.Xr aliases 5 ,
.Xr mailaddr 7 ,
.Xr mail.local 8 ,
.Xr newaliases 8 ,
.Xr sendmail 8 ,
The `.Nm mailx` utility is compliant with the `.St -p1003.1-2008` specification.

The flags `.Op Fl iNnu` are marked by `.St -p1003.1-2008` as being optional.

The flags `.Op Fl eFH` are marked by `.St -p1003.1-2008` as being optional, and are not supported by this implementation of `.Nm mailx`.

The flags `.Op Fl bcdEIv` are extensions to the specification.

A `.Nm mail` command appeared in `.At v3`.

This man page is derived from the `.%T "Mail Reference Manual"` originally written by Kurt Shoens.

`.Sh BUGS`

Usually, `.Nm mail` and `.Nm mailx` are just links to `.Nm Mail`, which can be confusing.

`PROG=mail`

`SRCS=version.c aux.c cmd1.c cmd2.c cmd3.c cmdtab.c collect.c \` ed.c fio.c getname.c head.c v7.local.c lex.c list.c main.c names.c \` popen.c quit.c send.c strings.c temp.c tty.c vars.c`

`SFILES=mail.help mail.tildehelp`
EFIES=mail.rc
LINKS=\$(BINDIR)/mail \$(BINDIR)/Mail \$(BINDIR)/mailx \$(BINDIR)/mailx
MLINKS=mail.1 Mail.1 mail.1 mailx.1

distribution:
cd \${.CURDIR}/misc; \${INSTALL} \$(INSTALL_COPY) -o root -g wheel \
-m 644 \${EFILES} \$(DESTDIR)/etc
cd \${.CURDIR}/misc; \${INSTALL} \$(INSTALL_COPY) -o \$(BINOWN) -g \$(BINGRP) \
-m 444 \${SFILES} \$(DESTDIR)/usr/share/misc

.include <bsd.prog.mk>

"OpenBSD: maila.nr,v 1.3 2003/06/03 02:56:11 millert Exp $"
"Copyright (c) 1980, 1993
"The Regents of the University of California. All rights reserved.
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"modification, are permitted provided that the following conditions
"are met:
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"LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
"OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
"SUCH DAMAGE.
"@(#)maila.nr 8.1 (Berkeley) 6/8/93
"OpenBSD: mail5.nr,v 1.6 2008/11/03 18:20:45 jmc Exp $"
"Copyright (c) 1980, 1993
"The Regents of the University of California. All rights reserved.
"Redistribution and use in source and binary forms, with or without
This section describes some additional commands useful for reading your mail, setting options, and handling lists of messages.

Along with

- `type`
- `delete`

command, which prints the message headers associated with the message list passed to it.

The `from` command is particularly useful in conjunction with some of the message list features described below.
A "message list" consists of a list of message numbers, ranges, and names, separated by spaces or tabs. Message numbers may be either decimal numbers, which directly specify messages, or one of the special characters:

- `{^}`
- `{.}`
- `{}`

or

- `{$}`

to specify the first relevant, current, or last relevant message, respectively.

Relevant here means, for most commands:

- `{}` "not deleted"

and

- `{}` "deleted"

for the

-b undelete command.

A range of messages consists of two message numbers (of the form described in the previous paragraph) separated by a dash. Thus, to print the first four messages, use:

```
(type 1\-4)
```

and to print all the messages from the current message to the last message, use:

```
(type .\$)
```

A name is a user name. The user names given in the message list are collected together and each message selected by other means is checked to make sure it was sent by one of the named users. If the message consists entirely of user names, then every message sent by one of those users that is relevant (in the sense described earlier) is selected. Thus, to print every message sent to you by

- `{}` root,

do

```
(type root)
```

As a shorthand notation, you can specify simply

```
.q *
```

to get every

```
.i relevant
```

(same sense)
message. Thus,

```
.(l
type *
).(l
```

prints all undeleted messages,

```
.(l
delete *
).(l
```

deletes all undeleted messages, and

```
.(l
undelete *
).(l
```

undeletes all deleted messages.

You can search for the presence of a word in subject lines with

```
.b /
```

For example, to print the headers of all messages that contain the word

```
.q PASCAL,
```

do:

```
.(l
from /pascal
).(l
```

Note that subject searching ignores upper/lower case differences.

This section describes all the

```
.i Mail
```

commands available when receiving mail.

```
.ip "\fB\-\fP\ "
The 
```
.rb \\-
```
command goes to the previous message and prints it. The 
```
.rb \\-
```
command may be given a decimal number

```
.i n
```
as an argument, in which case the

```
.i n th
```
previous message is gone to and printed.

```
.ip "\fB?\fP\ "
```
Prints a brief summary of commands.
Used to preface a command to be executed by the shell.

Like

.b print,

but also print out ignored header fields. See also

\bBPrint\fP, \bBignore\fP, and \bBretain\fP.
\bBPrint\fP can be abbreviated to \bBP\fP.

.ip "\bBReply\fP or \bBRespond\fP"

Note the capital \bB\fP in the name.
Frame a reply to one or more messages.
The reply (or replies if you are using this on multiple messages)
will be sent ONLY to the person who sent you the message
(respectively, the set of people who sent the messages you are
replying to).
You can
add people using the \b~t\fP, \b~c\fP, and \b~b\fP
tilde escapes. The subject in your reply is formed by prefacing the
subject in the original message with
.q "Re:"
unless it already began thus.
If the original message included a
.q "reply-to"
header field, the reply will go
.i only
to the recipient named by
.q "reply-to."
You type in your message using the same conventions available to you
through the
.b mail
command.
The
.b Reply
command is especially useful for replying to messages that were sent
to enormous distribution groups when you really just want to
send a message to the originator. Use it often.
\bBReply\fP (and \bBRespond\fP) can be abbreviated to \bBR\fP.

.ip "\bBType\fP"
Identical to the
.b Print
command.
\bBType\fP can be abbreviated to \bBT\fP.

.ip "\bAlias\fP"
Define a name to stand for a set of other names.
This is used when you want to send messages to a certain
group of people and want to avoid retyping their names.
For example
.q
alias project john sue willie kathryn

creates an alias

which expands to the four people John, Sue, Willie, and Kathryn.
If no arguments are given, all currently-defined aliases are printed.
If one argument is given, that alias is printed (if it exists).

Alias can be abbreviated to a.

If you have accounts on several machines, you may find it convenient

to use /etc/mail/aliases on all the machines except one to direct

your mail to a single account.

The

 alternates

can be used to inform

Mail

that each of these other addresses is really

you.

Alternates

takes a list of user names and remembers that they are all actually you.

When you

reply

to messages that were sent to one of these alternate names,

Mail

will not bother to send a copy of the message to this other address (which

would simply be directed back to you by the alias mechanism).

If

alternates

is given no argument, it lists the current set of alternate names.

Alternates

is usually used in the .mailrc file.

Alternates can be abbreviated to alt.

The

 chdir

can be used to change your current directory.

Chdir

takes a single argument, which is taken to be the pathname of

the directory to change to. If no argument is given,

chdir

changes to your home directory.

Chdir can be abbreviated to c.

The

 copy

can be used to mark messages for copying.

Copy

does the same thing that

save

does, except that it does not mark the messages it is used on
for deletion when you quit.
\textbf{Copy} can be abbreviated to \textbf{co}.

\texttt{\textbf{delete} \text{"}\text{"}}

Deletes a list of messages. Deleted messages can be reclaimed
with the
\textbf{undelete} command.
\textbf{Delete} can be abbreviated to \textbf{d}.

\texttt{\textbf{dp} or \textbf{dt} \text{"}\text{"}}

These commands delete the current message and print the next message.
They are useful for quickly reading and disposing of mail.
If there is no next message, \texttt{Mail} says ``No more messages.''

\texttt{\textbf{edit} \text{"}\text{"}}

To edit individual messages using the text editor, the
\textbf{edit} command is provided. The
\textbf{edit} command takes a list of messages as described under the
\textbf{type} command and processes each by writing it into the file
\texttt{Message\text{c}}

\texttt{\textbf{else} \text{"}\text{"}}

Marks the end of the then-part of an \textbf{if} statement and the beginning of the
part to take effect if the condition of the \textbf{if} statement is false.

\texttt{\textbf{endif} \text{"}\text{"}}

Marks the end of an \textbf{if} statement.

\texttt{\textbf{exit} or \textbf{xit} \text{"}\text{"}}

Leave \texttt{Mail}
without updating the system mailbox or the file you were reading.
Thus, if you accidentally delete several messages, you can use
\texttt{.b exit}
to avoid scrambling your mailbox.
\texttt{\textbackslash bExit\texttt{fP}} can be abbreviated to \texttt{\textbackslash bex\texttt{fP}} or \texttt{\textbackslash bx\texttt{fP}}.
\texttt{.ip "\texttt{\textbackslash file\texttt{fP}}\ "}
The same as
\texttt{.b folder .}
\texttt{\textbackslash fFile\texttt{fP}} can be abbreviated to \texttt{\textbackslash fFile\texttt{fP}}.
\texttt{.ip "\texttt{\textbackslash folder\texttt{fP}}\ "}
List the names of the folders in your folder directory.
\texttt{.ip "\texttt{\textbackslash folder\texttt{fP}}\ "}
The
\texttt{.b folder}
command switches to a new mail file or folder. With no arguments, it
tells you which file you are currently reading. If you give
it an argument, it will write out changes (such as deletions)
you have made in the current file and read the new file.
Some special conventions are recognized for the name:
\par
\begin{center}
\begin{tabular}{ll}
 Name & Meaning \\
\_ & Previous file read \\
\% & Your system mailbox \\
\%name\&Name\texttt{fP}'s system mailbox \\
& & Your ~/mbox file \\
+folder & A file in your folder directory \\
& & \texttt{.TE} \\
\.b & \texttt{\textbackslash bFolder\texttt{fP}} can be abbreviated to \texttt{\textbackslash bfolder\texttt{fP}}.
\end{tabular}
\end{center}
\texttt{.ip "\texttt{\textbackslash from\texttt{fP}}\ "}
The
\texttt{.b from}
command takes a list of messages and prints out the header lines for each one;
hence
\texttt{.l}
\texttt{from joe}
\texttt{.l}
is the easy way to display all the message headers from \texttt{\textbackslash lqjoe\texttt{fP}(rq}
\texttt{\textbackslash bFrom\texttt{fP}} can be abbreviated to \texttt{\textbackslash bFrom\texttt{fP}}.
\texttt{.ip "\texttt{\textbackslash headers\texttt{fP}}\ "}
When you start up
\texttt{i Mail}
to read your mail, it lists the message headers that you have.
These headers tell you who each message is from, when they were
received, how many lines and characters each message is, and the
"Subject:"
header field of each message, if present. In addition,
Mail
tags the message header of each message that has been the object
of the
preserve
command with a
P.
Messages that have been
saved
or
written
are flagged with a
*.
Finally,
deleted
messages are not printed at all. If you wish to reprint the current
list of message headers, you can do so with the
headers
command. The
headers
command (and thus the initial header listing)
only lists the first so many message headers.
The number of headers listed depends on the speed of your
terminal.
Mail
maintains a notion of the current
window
into your messages for the purposes of printing headers.
Use the
z
command to move forward a window,
and
z-
to move back a window.
You can move
Mail's
notion of the current window directly to a particular message by
using, for example,
headers 40
to move
Mail's
attention to the messages around message 40.
Headers can be abbreviated to h.

Print a brief and usually out of date help message about the commands in
.i Mail.
The
.i man
page for
.i mail
is usually more up-to-date than either the help message or this manual.
It is also a synonym for \B\fP.
ip "\Bhold\fP\" Arrange to hold a list of messages in the system mailbox, instead of moving them to the file
.i mbox
in your home directory. If you set the binary option
.i hold,
this will happen by default.
It does not override the \Bdelete\fP command.
\Bhold\fP can be abbreviated to \Bho\fP.
.ip "\Bif\fP\"
Commands in your
.q .mailrc
file can be executed conditionally depending on whether you are
sending or receiving mail with the
.b if
command. For example, you can do:
.(l
if receive
\fIcommands\fP...
endif
).(l
An
.b else
form is also available:
.(l
if send
\fIcommands\fP...
else
\fIcommands\fP...
endif
).(l
Note that the only allowed conditions are
.b receive
and
.b send.
.ip "\fIignore\fP "
.b N.B.:
.i Ignore
has been superseded by
Add the list of header fields named to the "ignore list".

Header fields in the ignore list are not printed on your terminal when you print a message. This allows you to suppress printing of certain machine-generated header fields, such as Via which are not usually of interest. The Type and Print commands can be used to print a message in its entirety, including ignored fields.

If ignore is executed with no arguments, it lists the current set of ignored fields.

Incorporate any new messages that have arrived while mail is being read. The new messages are added to the end of the message list, and the current message is reset to be the first new mail message. This does not renumber the existing message list, nor does it cause any changes made so far to be saved.

List the valid Mail commands. /Mail\ can be abbreviated to /M.

Define a list of local names for this host. This command is useful when the host is known by more than one name. Names in the list may be qualified be the domain of the host. The first name on the local list is the distinguished name of the host. The names on the local list are used by Mail to decide which addresses are local to the host. For example:

local ucb.arpa.BERKELEY.ARPA arpa.BERKELEY.ARPA arpa.BERKELEY.ARPA \ arpa.BERKELEY.ARPA arpa.BERKELEY.ARPA \ ucb-arpa.ARPA \ .

From this list we see that "fred@ucbarpa.BERKELEY.ARPA", "harold@arpa.BERKELEY", and
... .i "larry@r"
... are all addresses of users on the local host.
... The
... .b local
... command is usually not used by general users since it is designed for
... local configuration; it is usually found in the file /usr/lib/Mail.rc.
.ip "tfmail\fP\"
Send mail to one or more people. If you have the
.i ask
option set,
.i Mail
will prompt you for a subject to your message. Then you
can type in your message, using tilde escapes as described in
section 4 to edit, print, or modify your message. To signal your
satisfaction with the message and send it, type <Control-D> at the
beginning of a line, or a . alone on a line if you set the option
.i dot.
To abort the message, type two interrupt characters (Control-C
by default) in a row or use the
.b ~q
or
.b ~x
escapes.
The \fBmail\fP command can be abbreviated to \fBm\fP.
.ip "tfmbox\fP\"
Indicate that a list of messages be sent to
.i mbox
in your home directory when you quit. This is the default
action for messages if you do
.i not
have the
.i hold
option set.
.ip "tfmore\fP\"
Takes a message list and invokes the pager on that list.
.ip "tfnext\fP or \fB+\fP\"
The
.b next
command goes to the next message and types it. If given a message list,
.b next
goes to the first such message and types it. Thus,
.(l
next root
 )l
goes to the next message sent by
.q root
and types it. The
.b next
command can be abbreviated to simply a newline, which means that one can go to and type a message by simply giving its message number or one of the magic characters

```
.q "a"
.q "n"
or
.q "$".
```

Thus,
```
.l
.&.
.l
```
prints the current message and
```
.l 4
.l
```
prints message 4, as described previously.

```
\fBNext\fP can be abbreviated to \fBn\fP.
```

```
.ip "\fBpreserve\fP \n"
```
Same as
```
.b hold .
```
Cause a list of messages to be held in your system mailbox when you quit.

```
\fBNext\fP can be abbreviated to \fBpre\fP.
```

```
.ip "\fBprint\fP \n"
```
Print the specified messages. If the
```
.b crt
```
variable is set, messages longer than the number of lines it indicates are paged through the command specified by the \fBPAGER\fP variable. The \fBprint\fP command can be abbreviated to \fBp\fP.

```
.ip "\fBquit\fP \n"
```
Terminates the session, saving all undeleted, unsaved and unwritten messages in the user's \fImbox\fP file in their login directory (messages marked as having been read), preserving all messages marked with \fBhold\fP or \fBpreserve\fP or never referenced in their system mailbox.

Any messages that were deleted, saved, written, or saved to \fImbox\fP are removed from their system mailbox.

If new mail has arrived during the session, the message
```
"You have new mail" is given. If given while editing a mailbox file with the \fBv-f\fP flag, then the edit file is rewritten.
```
A return to the Shell is effected, unless the rewrite of edit file fails, in which case the user can escape with the \fBexit\fP command.

```
\fBQuit\fP can be abbreviated to \fBq\fP.
```

```
.ip "\fBreply\fP or \fBrespond\fP \n"
```
Frame a reply to a single message.

The reply will be sent to the person who sent you the message (to which you are replying), plus all the people who received the original message, except you. You can add people using the \fB~t\fP, \fB~c\fP, and \fB~b\fP
tilde escapes. The subject in your reply is formed by prefacing the
subject in the original message with
. q "Re:"
unless it already began thus.
If the original message included a
. q "reply-to"
header field, the reply will go
.i only
to the recipient named by
. q "reply-to."
You type in your message using the same conventions available to you
through the
.b mail
command.
The \Breply\F and \Brespond\F command can be abbreviated to \Br\F.
.ip "\Bretain\F"
Add the list of header fields named to the \Bretained list\F.
Only the header fields in the retain list
are shown on your terminal when you print a message.
All other header fields are suppressed.
The
.b Type
and
.b Print
commands can be used to print a message in its entirety.
If
.b retain
is executed with no arguments, it lists the current set of
retained fields.
.ip "\Bsave\F"
It is often useful to be able to save messages on related topics
in a file. The
.b save
command gives you the ability to do this. The
.b save
command takes as an argument a list of message numbers, followed by
the name of the file in which to save the messages. The messages
are appended to the named file, thus allowing one to keep several
messages in the file, stored in the order they were put there.
The filename in quotes, followed by the line
count and character count is echoed on the user's terminal.
An example of the
.b save
command relative to our running example is:
.(l
 s 1 2 tuitionmail
)l
.b Saved
messages are not automatically saved in .i mbox
at quit time, nor are they selected by the .b next
command described above, unless explicitly specified.
\fBSave\fP can be abbreviated to \fBs\fP.
\fBSaveignore\fP is to \fBSave\fP what \fBignore\fP is to \fBprint\fP
and \fBtype\fR.
Header fields thus marked are filtered out when saving a message
by \fBSave\fP or when automatically saving to \fImbox\fP.
\fBSaveretain\fP is to \fBSave\fP what \fBretain\fP is to \fBprint\fP
and \fBtype\fR.
Header fields thus marked are the only ones saved with a message
when saving by \fBSave\fP or when automatically saving to \fImbox\fP.
\fBSaveretain\fP overrides \fBSaveignore\fP.
\fBset\fP is to \fBprint\fP what \fBtype\fR.
Set an option or give an option a value. Used to customize
\i Mail .
Section 5.3 contains a list of the options. Options can be
\i binary ,
in which case they are
\i on
or
\i off ,
or
\i valued .
To set a binary option
\i option
\i on ,
do
.(1
set option
)1
To give the valued option
\i option
the value
\i value ,
do
.(1
set option=value
)1
There must be no space before or after the ``=" sign.
If no arguments are given, all variable values are printed.
Several options can be specified in a single
\b set
command.
\texttt{\textbackslash BSet\textbackslash P} can be abbreviated to \texttt{\textbackslash Bse\textbackslash P}.

\texttt{\textbackslash Bshell\textbackslash P} can be abbreviated to \texttt{\textbackslash Bsh\textbackslash P}.

The \texttt{\textbackslash b shell} command allows you to escape to the shell.

\texttt{\textbackslash b Shell} invokes an interactive shell and allows you to type commands to it.

When you leave the shell, you will return to \texttt{\textbackslash i Mail}.

The shell used is a default assumed by \texttt{\textbackslash i Mail}.

You can override this default by setting the valued option \texttt{\textbackslash q SHELL}, eg:

\begin{verbatim}
set SHELL=/bin/csh
\end{verbatim}

\texttt{\textbackslash BShell\textbackslash P} can be abbreviated to \texttt{\textbackslash Bsh\textbackslash P}.

\texttt{\textbackslash Bsize\textbackslash P} can be abbreviated to \texttt{\textbackslash Bsz\textbackslash P}.

Takes a message list and prints out the size in characters of each message.

\texttt{\textbackslash Bsource\textbackslash P} can be abbreviated to \texttt{\textbackslash Bso\textbackslash P}.

The \texttt{\textbackslash b source} command reads \texttt{\textbackslash i mail} commands from a file. It is useful when you are trying to fix your \texttt{\textbackslash q .mailrc} file and you need to re-read it.

\texttt{\textbackslash BSource\textbackslash P} can be abbreviated to \texttt{\textbackslash Bso\textbackslash P}.

\texttt{\textbackslash Btop\textbackslash P} can be abbreviated to \texttt{\textbackslash Btop\textbackslash P}.

The \texttt{\textbackslash b top} command takes a message list and prints the first five lines of each addressed message. If you wish, you can change the number of lines that \texttt{\textbackslash b top} prints out by setting the valued option \texttt{\textbackslash q "toplines."}.

On a CRT terminal, \begin{verbatim}
set toplines=10
\end{verbatim} might be preferred.

\texttt{\textbackslash BTop\textbackslash P} can be abbreviated to \texttt{\textbackslash Bto\textbackslash P}.

\texttt{\textbackslash Btype\textbackslash P} can be abbreviated to \texttt{\textbackslash Bty\textbackslash P}.

Same as \texttt{\textbackslash Bprint\textbackslash P}. 

Takes a message list and types out each message on the terminal.
The \fBtype\fP command can be abbreviated to \fBt\fP.

\ip "\fBunalias\fP \"
Takes a list of names defined by \fBalias\fP commands and
discards the remembered groups of users.
The group names no longer have any significance.

\ip "\fBundelete\fP \"
Takes a message list and marks each message as \fInot\fP
being deleted.
\fBundelete\fP can be abbreviated to \fBu\fP.

\ip "\fBunread\fP \"
Takes a message list and marks each message as \fInot\fP
having been read.
\fBunread\fP can be abbreviated to \fBu\fP.

\ip "\fBunset\fP \"
Takes a list of option names and discards their remembered values;
the inverse of \fBset\fP.

\ip "\fBvisual\fP \"
It is often useful to be able to invoke one of two editors,
based on the type of terminal one is using. To invoke
a display oriented editor, you can use the
\b visual
command. The operation of the
\b visual
command is otherwise identical to that of the
\b edit
command. Both the
\b edit
and
\b visual
commands assume some default text editors.
The default for
\q EDITOR
is
\i /usr/bin/ex .
The default for
\q VISUAL
is
\i /usr/bin/vi .
These default editors can be overridden by the valued options
\q EDITOR
and
\q VISUAL
for the standard and screen editors. You might want to do:
set EDITOR=/bin/ed VISUAL=/usr/bin/mg

`Visual` can be abbreviated to `v`.

The `.b save` command always writes the entire message, including the headers, into the file. If you want to write just the message itself, you can use the `.b write` command. The `.b write` command has the same syntax as the `.b save` command, and can be abbreviated to simply `.b w`.

Thus, we could write the second message by doing:
```
w 2 file.c
```

As suggested by this example, the `.b write` command is useful for such tasks as sending and receiving source program text over the message system. The filename in quotes, followed by additional file information, is echoed on the user's terminal.

Mail presents message headers in windowfuls as described under the `.b headers` command. You can move Mail's attention forward to the next window by giving the `z+` command. Analogously, you can move to the previous window with:
```
z-
```

Throughout this manual, we have seen examples of binary and valued options. This section describes each of the options in alphabetical order, including some that you have not seen yet.
To avoid confusion, please note that the options are either all lower case letters or all upper case letters. When I start a sentence such as:
.q "Ask"
causes
.i Mail
to prompt you for a subject header,
I am only capitalizing
.q ask
as a courtesy to English.
.ip "\fBEDITOR\fP\ "
The valued option
.q EDITOR
defines the pathname of the text editor to be used in the
.b edit
command and ~e escape.
If not defined,
.i /usr/bin/ex
is used.
.ip "\fBLISTER\fP\ "
Pathname of the directory lister to use in the \fBfolders\fP command.
Default is \fI/bin/Is\fP.
.ip "\fBMBOX\fP\ "
The name of the \fImbox\fP file.
It can be the name of a folder.
The default is `\`mbox" in the user's home directory.
.ip "\fBPAGER\fP\ "
Pathname of the program to use for paginating output when it exceeds \fIcrt\fP lines.
A default paginator is used if this option is not defined.
.ip "\fBSHELL\fP\ "
The valued option
.q SHELL
gives the path name of your shell. This shell is used for the
.b !
command and ~! escape. In addition, this shell expands file names with shell metacharacters like * and ? in them.
.ip "\fBVISUAL\fP\ "
The valued option
.q VISUAL
defines the pathname of the screen editor to be used in the
.b visual
command
and ~v escape.
If not defined,
.i /usr/bin/vi
is used.
.ip "\fBappend\fP\ "
The
.q append
option is binary and
causes messages saved in
.i mbox
to be appended to the end rather than prepended. Normally, \fIMail\fP will put messages in \fImbox\fP in the same order that the system puts messages in your system mailbox.
By setting
.q append,
you are requesting that
.i mbox
be appended to regardless. It is in any event quicker to append.
.ip "\fBask\fP "
.q "Ask"
is a binary option which
causes
.i Mail
to prompt you for the subject of each message you send.
If you respond with simply a newline, no subject field will be sent.
.ip "\fBaskbcc\fP "
.q Askbcc
is a binary option which
causes you to be prompted for additional blind carbon copy recipients at the end of each message. Responding with a newline shows your satisfaction with the current list.
.ip "\fBaskcc\fP "
.q Askcc
is a binary option which
causes you to be prompted for additional carbon copy recipients at the end of each message. Responding with a newline shows your satisfaction with the current list.
.ip "\fBautoinc\fP "
Causes new mail to be automatically incorporated when it arrives.
Setting this is similar to issuing the \fBinc\fP command at each prompt, except that the current message is not reset when new mail arrives.
.ip "\fBautoprint\fP "
.q Autoprint
is a binary option which
causes the
.b delete
command to behave like
.b dp
*- thus, after deleting a message, the next one will be typed automatically. This is useful when quickly scanning and deleting messages in your mailbox.
.ip "\fBcr\fP "
The valued option
.I crt
is used as a threshold to determine how long a message must
be before
.b PAGER
is used to read it.
.ip "%Bdebug\%P \"
The binary option
.q debug
causes debugging information to be displayed. Use of this
option is the same as using the \B-d\P command line flag.
.ip "%Bdot\%P \"
.q Dot
is a binary option which, if set, causes
.i Mail
to interpret a period alone on a line as the terminator
of the message you are sending.
.ip "%Bescape\%P \"
To allow you to change the escape character used when sending
mail, you can set the valued option
.q escape.
Only the first character of the
.q escape
option is used, and it must be doubled if it is to appear as
the first character of a line of your message. If you change your escape
character, then ~ loses all its special meaning, and need no longer be doubled
at the beginning of a line.
.ip "%Bfolder\%P \"
The name of the directory to use for storing folders of messages.
If this name begins with a `/`
.i Mail
considers it to be an absolute pathname; otherwise, the folder directory
is found relative to your home directory.
.ip "%Bhold\%P \"
The binary option
.q hold
causes messages that have been read but not manually dealt with
to be held in the system mailbox. This prevents such messages from
being automatically swept into your \fImbox\fP file.
.ip "%Bignore\%P \"
The binary option
.q ignore
causes <Control-C> characters from your terminal to be ignored and echoed
as @’s while you are sending mail. <Control-C> characters retain their
original meaning in
.i Mail
command mode.
Setting the
.q ignore
option is equivalent to supplying the flag on the command line as described in section 6.

An option related to `dot` is `ignoreeof`, which makes `Mail` refuse to accept a `<Control-D>` as the end of a message.

`Ignoreeof` also applies to `Mail` command mode.

`Indentprefix` is the string used by the `~m` tilde escape for indenting messages, in place of the normal tab character (`^I`). Be sure to quote the value if it contains spaces or tabs.

The `keep` option causes `Mail` to truncate your system mailbox instead of deleting it when it is empty. This is useful if you elect to protect your mailbox, which you would do with the shell command:

```
chmod 600 /var/mail/yourname
```

where `yourname` is your login name. If you do not do this, anyone can probably read your mail, although people usually don’t.

`keepsave` option. When you `save` a message, `Mail` usually discards it when you `quit`. To retain all saved messages, set the `keepsave` option.

`metoo` option. When sending mail to an alias, `Mail` makes sure that if you are included in the alias, that mail will not
be sent to you. This is useful if a single alias is being used by all members of the group. If however, you wish to receive a copy of all the messages you send to the alias, you can set the binary option .q metoo.

The binary option .q noheader suppresses the printing of the version and headers when .i Mail is first invoked. Setting this option is the same as using .b \-N on the command line.

Normaly, when you abort a message with two <Control-C>'s, .i Mail copies the partial letter to the file .q dead.letter in your home directory. Setting the binary option .q nosave prevents this.

Reverses the sense of .i reply and .i Reply commands.

The binary option .q quiet suppresses the printing of the version when .i Mail is first invoked, as well as printing the for example .q "Message 4:" from the .b type command.

If you love to keep records, then the valued option .q record can be set to the name of a file to save your outgoing mail. Each new message you send is appended to the end of the file.

When .i Mail initially prints the message headers, it determines the number to
print by looking at the speed of your terminal. The faster your terminal, the more it prints.
The valued option
.q screen
overrides this calculation and
specifies how many message headers you want printed.
This number is also used for scrolling with the
.b z
command.
.ip "lfBsearchheaderslflP\"
If this option is set, then a message-list specifier in the form
``/x:y'' will expand to all messages containing the substring
`y' in the header field `x'.
The string search is case insensitive.
If `x' is omitted, it will default to the ``Subject'' header field.
The form ``/to:y'' is a special case, and will expand
to all messages containing the substring `y' in the ``To'', ``Cc'',
or ``Bcc'' header fields.
The check for ``to'' is case sensitive, so that ``/To:y''
can be used to limit the search for `y' to just the ``To:'' field.
.ip "lfBsendmaillflP\"
To use an alternate mail delivery system, set the
.q sendmail
option to the full pathname of the program to use. Note: this is not
for everyone! Most people should use the default delivery system.
.ip "lfBtoplineslflP\"
The valued option
.q toplines
defines the number of lines that the
.q top
command will print out instead of the default five lines.
.ip "lfBverboselflP\"
The binary option "verbose" causes
.i Mail
to invoke sendmail with the
.b \-v
flag, which causes it to go into verbose mode and announce expansion
of aliases, etc. Setting the "verbose" option is equivalent to
invoking
.i Mail
with the
.b \-v
flag as described in section 6.
set append dot save asksub
ignore Received Message-Id Resent-Message-Id Status Mail-From Return-Path Via
 Lambda OpenBSD: mail8.nr,v 1.5 2004/06/04 00:04:54 jmc Exp $
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@(#)mail8.nr	8.2 (Berkeley) 5/16/94

This section contains the definitions of a few phrases peculiar to Mail.

An alternative name for a person or list of people.

An option, given on the command line of Mail, prefaced with a `-'. For example,

`-f'

is a flag.

At the beginning of a message, a line which contains information that is part of the structure of the message. Popular header fields include

`to',
`cc',
and
A collection of messages. Often used in the phrase,

"Have you read your mail?"

The place where your mail is stored, typically in the directory

`/var/mail`

A single letter from someone, initially stored in your

`mailbox`

A string used in

`message` command mode to describe a sequence of messages.

`option` A piece of special purpose information used to tailor

`Mail` to your taste.

Options are specified with the

`set` command.

---

```
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```
This section describes command line options for Mail and what they are used for.

`-b list` Send blind carbon copies to list.

`-c list` Send carbon copies to list of users.

List should be a comma separated list of names.

`-f file` Show the messages in file instead of your system mailbox. If file is omitted, Mail reads mbox.
in your home directory.

Forces mail to run in interactive mode, even when input is not a terminal.

In particular, the special \fB~\fP command character, used when sending mail, is only available interactively.

Ignore tty interrupt signals.

This is particularly useful when using mail on noisy phone lines.

Suppress the initial printing of headers.

Inhibit reading of /etc/mail.rc upon startup.

Used for sending mail.

is used as the subject of the message being composed. If contains blanks, you must surround it with quote marks.

Read mail instead of your own. Unwitting others often neglect to protect their mailboxes, but discretion is advised. Essentially,

is a shorthand way of doing .

Use the flag when invoking sendmail. This feature may also be enabled by setting the option "verbose".

The following command line flags are also recognized, but are intended for use by programs invoking

and not for people.

Turn on debugging information. Not of general interest.

Arrange to print on

the contents of the

fields of all messages that were either read or deleted.

is for the
program and should NOT be used for reading your mail.

"OpenBSD: mail9.nr,v 1.8 2009/07/29 18:15:38 martynas Exp $

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.sh 1 "Summary of commands, options, and escapes"

This section gives a quick summary of the
.i Mail
commands, binary and valued options, and tilde escapes.

The following table describes the commands:
.TS
center ;
ci
lb l.
.CommandDescription
-
+Same as \Bnext\P
-Back up to previous message
?Print brief summary of \BMail\P commands
unread Marks list of messages as not been read
unset Undo the operation of a \fBset\fP
visual Invoke visual editor on a list of messages
write Append messages to a file, don't include headers
xit Same as \fBexit\fP
z Scroll to next/previous screenful of headers
.TE
.(b
.-PP
The following table describes the options. Each option is shown as being either a binary or valued option.
.TS
center;
c ci ci
ci l.

<table>
<thead>
<tr>
<th>Option</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDITOR</td>
<td>valued</td>
<td>Pathname of editor for ~e and \fBedit\fP</td>
</tr>
<tr>
<td>LISTER</td>
<td>valued</td>
<td>Pathname of directory lister</td>
</tr>
<tr>
<td>MBOX</td>
<td>valued</td>
<td>Pathname of the \fImbox\fP file</td>
</tr>
<tr>
<td>PAGER</td>
<td>valued</td>
<td>Pathname of pager for \fBPrint\fP, \fBprint\fP, \fBType\fP and \fBtype\fP</td>
</tr>
<tr>
<td>SHELL</td>
<td>valued</td>
<td>Pathname of shell for \fBshell\fP, ~! and \fB\fP</td>
</tr>
<tr>
<td>VISUAL</td>
<td>valued</td>
<td>Pathname of screen editor for ~v, \fBvisual\fP</td>
</tr>
<tr>
<td>append</td>
<td>binary</td>
<td>Always append messages to end of \fImbox\fP</td>
</tr>
<tr>
<td>ask</td>
<td>binary</td>
<td>Prompt user for Subject: field when sending</td>
</tr>
<tr>
<td>askcc</td>
<td>binary</td>
<td>Prompt user for additional Cc's at end of message</td>
</tr>
<tr>
<td>askbcc</td>
<td>binary</td>
<td>Prompt user for additional Bcc's at end of message</td>
</tr>
<tr>
<td>autoinc</td>
<td>binary</td>
<td>Automatically incorporate new mail</td>
</tr>
<tr>
<td>autoprint</td>
<td>binary</td>
<td>Print next message after \fBdelete\fP</td>
</tr>
<tr>
<td>crt</td>
<td>valued</td>
<td>Minimum number of lines before using \fBPAGER\fP</td>
</tr>
<tr>
<td>debug</td>
<td>binary</td>
<td>Print out debugging information</td>
</tr>
<tr>
<td>dot</td>
<td>binary</td>
<td>Accept . alone on line to terminate message input</td>
</tr>
<tr>
<td>escape</td>
<td>valued</td>
<td>Escape character to be used instead of ~</td>
</tr>
<tr>
<td>foldervalue</td>
<td>Directory to store folders in</td>
<td></td>
</tr>
<tr>
<td>hold</td>
<td>binary</td>
<td>Hold messages in system mailbox by default</td>
</tr>
<tr>
<td>ignore</td>
<td>binary</td>
<td>Ignore &lt;Control-C&gt; while sending mail</td>
</tr>
<tr>
<td>ignoreof</td>
<td>binary</td>
<td>Don't terminate letters/command input with \fB^D\fP</td>
</tr>
<tr>
<td>indent</td>
<td>binary</td>
<td>Always append messages to end of \fImbox\fP</td>
</tr>
<tr>
<td>prefix</td>
<td>valued</td>
<td>String used for indenting messages</td>
</tr>
<tr>
<td>keep</td>
<td>binary</td>
<td>Don't unlink system mailbox when empty</td>
</tr>
<tr>
<td>keepsave</td>
<td>binary</td>
<td>Don't delete \fBsave\fPd messages by default</td>
</tr>
<tr>
<td>metoo</td>
<td>binary</td>
<td>Include sending user in aliases</td>
</tr>
<tr>
<td>noheader</td>
<td>binary</td>
<td>Suppress initial printing of version and headers</td>
</tr>
<tr>
<td>nosave</td>
<td>binary</td>
<td>Don't save partial letter in \fIdead.letter\fP</td>
</tr>
<tr>
<td>Replyall</td>
<td>binary</td>
<td>Reverses the sense of the \fB[Rr]e[ply]\fP commands</td>
</tr>
<tr>
<td>quiet</td>
<td>binary</td>
<td>Suppress printing of \fIMail\fP version/message numbers</td>
</tr>
<tr>
<td>record</td>
<td>valued</td>
<td>File to save all outgoing mail in</td>
</tr>
<tr>
<td>screen</td>
<td>valued</td>
<td>Size of window of message headers for \fBz\fP, etc.</td>
</tr>
<tr>
<td>search</td>
<td>valued</td>
<td>Size of window of message headers for \fBz\fP, etc.</td>
</tr>
</tbody>
</table>

Open Source Used in DNAC Frost Platform Maglev 1.7.0 1.7.283 9877
sendmail valued
Choose alternate mail delivery system
toplines valued
Number of lines to print in \texttt{\textbackslash Btop\textbackslash P}
verbose binary
Invoke sendmail with the \texttt{\textbackslash B-v\textbackslash P} flag

The following table summarizes the tilde escapes available while sending mail.

<table>
<thead>
<tr>
<th>Escape</th>
<th>Arguments</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>~</td>
<td></td>
<td></td>
</tr>
<tr>
<td>~b</td>
<td>name ...</td>
<td>Add names to &quot;blind&quot; Cc: list.</td>
</tr>
<tr>
<td>~c</td>
<td>name ...</td>
<td>Add names to Cc: field.</td>
</tr>
<tr>
<td>~d</td>
<td></td>
<td>Read \texttt{\textbackslash Idead.letter\textbackslash P} into message.</td>
</tr>
<tr>
<td>~e</td>
<td></td>
<td>Invoke text editor on partial message.</td>
</tr>
<tr>
<td>~F</td>
<td>messages</td>
<td>Same as \texttt{\textbackslash F}, but includes all headers.</td>
</tr>
<tr>
<td>~f</td>
<td>messages</td>
<td>Read in messages.</td>
</tr>
<tr>
<td>~h</td>
<td></td>
<td>Edit the header fields.</td>
</tr>
<tr>
<td>~M</td>
<td>messages</td>
<td>Same as \texttt{\textbackslash M}, but includes all headers.</td>
</tr>
<tr>
<td>~m</td>
<td>messages</td>
<td>Read in messages, right shifted by a tab.</td>
</tr>
<tr>
<td>~p</td>
<td></td>
<td>Print (show) the message buffer.</td>
</tr>
<tr>
<td>~q</td>
<td></td>
<td>Abort message; optionally save copy to \texttt{\textbackslash /dead.letter}.</td>
</tr>
<tr>
<td>~r</td>
<td>file</td>
<td>Read a file into the message buffer.</td>
</tr>
<tr>
<td>~s</td>
<td>string</td>
<td>Set Subject: field to \texttt{\textbackslash lstring\textbackslash P}.</td>
</tr>
<tr>
<td>~t</td>
<td>name ...</td>
<td>Add names to To: field.</td>
</tr>
<tr>
<td>~v</td>
<td></td>
<td>Invoke display editor on message.</td>
</tr>
<tr>
<td>~w</td>
<td>filename</td>
<td>Write message to file.</td>
</tr>
<tr>
<td>~x</td>
<td></td>
<td>Abort message; no copy is saved.</td>
</tr>
<tr>
<td>~?</td>
<td></td>
<td>Print a brief summary of tilde escapes.</td>
</tr>
<tr>
<td>~!command</td>
<td></td>
<td>Execute shell command.</td>
</tr>
<tr>
<td>~</td>
<td>command</td>
<td></td>
</tr>
<tr>
<td>~:command</td>
<td>~command</td>
<td>Execute a \texttt{\textbackslash lMail\textbackslash P} command.</td>
</tr>
<tr>
<td>~string</td>
<td></td>
<td>Quote a single tilde.</td>
</tr>
<tr>
<td>~.</td>
<td></td>
<td>Simulate end of file on input.</td>
</tr>
</tbody>
</table>

The following table shows the command line flags that \texttt{\textbackslash i Mail} accepts:
<table>
<thead>
<tr>
<th>Flag</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>-b</td>
<td>Send blind carbon copies to list.</td>
</tr>
<tr>
<td>-c</td>
<td>Send carbon copies to list.</td>
</tr>
<tr>
<td>-d</td>
<td>Turn on debugging</td>
</tr>
<tr>
<td>-f</td>
<td>Show messages in name or ~/mbox.</td>
</tr>
<tr>
<td>-I</td>
<td>Force Mail to run in interactive mode.</td>
</tr>
<tr>
<td>-i</td>
<td>Ignore tty interrupt signals</td>
</tr>
<tr>
<td>-N</td>
<td>Suppress the initial printing of headers</td>
</tr>
<tr>
<td>-n</td>
<td>Inhibit reading of /etc/mail.rc</td>
</tr>
<tr>
<td>-s</td>
<td>Use subject as subject in outgoing mail</td>
</tr>
<tr>
<td>-T</td>
<td>Article-id's of read/deleted messages to file.</td>
</tr>
<tr>
<td>-u</td>
<td>Read user's mail instead of your own.</td>
</tr>
<tr>
<td>-v</td>
<td>Invoke sendmail with the -v flag.</td>
</tr>
</tbody>
</table>

Notes:
- d and T are not for human use.

"OpenBSD: mail4.nr,v 1.6 2008/11/03 18:20:45 jmc Exp $"

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While typing in a message to be sent to others, it is often useful to be able to invoke the text editor on the partial message, print the message, execute a shell command, or do some other auxiliary function.

Mail provides these capabilities through "tilde escapes", which consist of a tilde (~) at the beginning of a line, followed by a single character which indicates the function to be performed. For example, to print the text of the message so far, use:

```sh
~p
```

which will print a line of dashes, the recipients of your message, and the text of the message so far.

Since Mail requires two consecutive <Control-C>'s to abort a letter, you can use a single <Control-C> to abort the output of ~p or any other ~ escape without killing your letter.

If you are dissatisfied with the message as it stands, you can invoke the text editor on it using the escape

```sh
~e
```

which causes the message to be copied into a temporary file and an instance of the editor to be spawned. After modifying the message to your satisfaction, write it out and quit the editor.

Mail will respond by typing

```sh
(continue)
```

after which you may continue typing text which will be appended to your message, or type <Control-D> to end the message.

A standard text editor is provided by Mail.
You can override this default by setting the valued option
.q EDITOR
to something else. For example, you might prefer:

```
.set EDITOR=/bin/ed
```

Many systems offer a screen editor as an alternative to the standard
text editor, such as the
.i vi
editor from UC Berkeley,
or
.i mg ,
an emacs-like editor.
To use the screen, or
.i visual
eeditor, on your current message, you can use the escape,
```
~v works like ~e, except that the screen editor is invoked instead.
A default screen editor is defined by
.i Mail .
If it does not suit you, you can set the valued option
.q VISUAL
to the path name of a different editor.
```
pp
It is often useful to be able to include the contents of some
file in your message; the escape
```
~r filename
```
is provided for this purpose, and causes the named file to be appended
to your current message.
.i Mail
complains if the file doesn't exist
or can't be read. If the read is successful, the number of lines and
characters appended to your message is printed, after which you may continue
appending text. The filename may contain shell metacharacters like * and ?
which are expanded according to the conventions of your shell.

As a special case of ~r, the escape
```
~d
```
reads in the file
.q dead.letter
in your home directory. This is often useful since
Mail copies the text of your message there when you abort a message with <Control-C>.

To save the current text of your message on a file you may use the
~w filename

escape.

Mail will print out the number of lines and characters written
to the file, after which you may continue appending text to your message.
Shell metacharacters may be used in the filename, as in ~r and are expanded
with the conventions of your shell.

If you are sending mail from within
Mail's command mode
you can read a message sent to you into the message
you are constructing with the escape:
~m 4

which will read message 4 into the current message, shifted right by
one tab stop. You can name any non-deleted message, or list of messages.
Messages can also be forwarded without shifting by a tab stop with ~f.
This is the usual way to forward a message.

If, in the process of composing a message, you decide to add additional
people to the list of message recipients, you can do so with the escape
~t name1 name2 ...

You may name as few or many additional recipients as you wish. Note
that the users originally on the recipient list will still receive
the message; you cannot remove someone from the recipient
list with ~t.

If you wish, you can associate a subject with your message by using the
escape
~s Arbitrary string of text

which replaces any previous subject with
"Arbitrary string of text."
The subject, if given, is sent near the
top of the message prefixed with
"Subject:"


You can see what the message will look like by using ~p.

For political reasons, one occasionally prefers to list certain people as recipients of carbon copies of a message rather than direct recipients. The escape

```
~c name1 name2 ...
```

adds the named people to the

```
Cc:
```
list, similar to ~t.

Again, you can execute ~p to see what the message will look like.

The escape

```
~b name1 name2 ...
```

adds the named people to the

```
Cc:
```
list, but does not make the names visible in the

```
Cc:
```
line ("blind" carbon copy).

The recipients of the message together constitute the

```
To:
```
field, the subject the

```
Subject:
```
field, and the carbon copies the

```
Cc:
```
field. If you wish to edit these in ways impossible with the ~t, ~s, ~c and ~b escapes, you can use the escape

```
~h
```
which prints

```
To:
```
followed by the current list of recipients and leaves the cursor (or printhead) at the end of the line. If you type in ordinary characters, they are appended to the end of the current list of recipients. You can also use your erase character to erase back into the list of recipients, or your kill character to erase them altogether. Thus, for example, if your erase and kill characters are the standard (on printing terminals) <Control-H> and <Control-U> keys,

```
~h
```
To: root kurt^H^H^H^Hbill

would change the initial recipients
When you type a newline, Mail advances to the "Subject:" field, where the same rules apply. Another newline brings you to the "Cc:" field, which may be edited in the same fashion. Another newline brings you to the "Bcc:" ("blind" carbon copy) field, which follows the same rules as the "Cc:" field. Another newline leaves you appending text to the end of your message. You can use \~p to print the current text of the header fields and the body of the message.

To effect a temporary escape to the shell, the escape \(\sim!\) is used, which executes \i\ command and returns you to mailing mode without altering the text of your message. If you wish, instead, to filter the body of your message through a shell command, then you can use \(\sim|\) which pipes your message through the command and uses the output as the new text of your message. If the command produces no output, Mail assumes that something is amiss and retains the old version of your message. A frequently-used filter is the command \i\ fmt, designed to format outgoing mail.

To effect a temporary escape to Mail command mode instead, you can use the \(\simMail\) escape. This is especially useful for retyping the message you are replying to, using, for example:
It is also useful for setting options and modifying aliases.

If you wish abort the current message, you can use the escape

This will terminate the current message and return you to the
shell (or Mail if you were using the mail command).

If the option is set, the message will be copied
to the file

in your home directory.

If you wish to abort the current message,
without saving any copy of it whatsoever,
even if the option is set,
you can use the escape

If you wish (for some reason) to send a message that contains
a line beginning with a tilde, you must double it. Thus, for example,

sends the line

sends the line

Finally, the escape

prints out a brief summary of the available tilde escapes.

On some terminals (particularly ones with no lower case)
tilde's are difficult to type.

allows you to change the escape character with the
escape option. For example, I set

set escape=]
and use a right bracket instead of a tilde. If I ever need to send a line beginning with right bracket, I double it, just as for ~. Changing the escape character removes the special meaning of ~.

This section describes how to send mail to people on other machines. Recall that sending to a plain login name sends mail to that person on your machine. If your machine is directly (or sometimes, even, indirectly) connected to the Internet, you can send messages to people on the Internet using a name of the form

```
(name@host.domain)
```

where

- `name` is the login name of the person you're trying to reach,
- `host` is the name of the machine on the Internet, and
- `domain` is the higher-level scope within which the hostname is known, e.g. EDU (for educational institutions), COM (for commercial entities), GOV (for governmental agencies), ARPA for many other things, BITNET or CSNET for those networks.

If your recipient logs in on a machine connected to yours by UUCP (the Bell Laboratories supplied network that communicates over telephone lines), sending mail can be a bit more complicated. You must know the list of machines through which your message must travel to arrive at his site. So, if his machine is directly connected to yours, you can send mail to him using the syntax:

```
(host!name)
```

where, again,

- `host` is the name of the machine and
- `name` is the login name.

If your message must go through an intermediary machine first, you must use the syntax:

```
(intermediary!host!name)
```

and so on. It is actually a feature of UUCP that the map of all the systems in the network is not known anywhere (except where people decide to write it down for convenience). Talk to your system administrator about good ways to get places; the
command will tell you systems whose names are recognized, but not which ones are frequently called or well-connected.

When you use the command to respond to a letter, there is a problem of figuring out the names of the users in the lists.

```
% reply
```

If the original letter was sent to you by someone on the local machine, then this problem does not exist, but if the message came from a remote machine, the problem must be dealt with.

Mail uses a heuristic to build the correct name for each user relative to the local machine. So, when you reply to remote mail, the names in the lists may change somewhat.

```
% reply
```

As described previously, you can send mail to either user names or alias names. It is also possible to send messages directly to files or to programs, using special conventions. If a recipient name has a `/' in it or begins with a `+', it is assumed to be the path name of a file into which to send the message. If the file already exists, the message is appended to the end of the file. If you want to name a file in your current directory (ie, one for which a `/' would not usually be needed) you can precede the name with `./'.

So, to send mail to the file in the current directory, you can give the command:

```
% Mail ./memo
```

If the name begins with a `+', it is expanded into the full path name of the folder name in your folder directory.

This ability to send mail to files can be used for a variety of purposes, such as maintaining a journal and keeping a record of mail sent to a certain group of users. The second example can be done automatically by including the full pathname of the record.
file in the
.b alias
command for the group. Using our previous
.b alias
example, you might give the command:
.(l
alias project sam sally steve susan /usr/project/mail_record
.)l
Then, all mail sent to "project" would be saved on the file
.q /usr/project/mail_record
as well as being sent to the members of the project. This file
can be examined using
.i "Mail \f" .
.pp
It is sometimes useful to send mail directly to a program, for
example one might write a project billboard program and want to access
it using
.i Mail .
To send messages to the billboard program, one can send mail
to the special name `|billboard' for example.
.i Mail
treats recipient names that begin with a `|' as a program to send
the mail to. An
.b alias
can be set up to reference a `|' prefaced name if desired.
.i Caveats :
the shell treats `|' specially, so it must be quoted on the command
line. Also, the `| program' must be presented as a single argument to
mail. The safest course is to surround the entire name with double
quotes. This also applies to usage in the
.b alias
command. For example, if we wanted to alias `msgs' to `msgs -s'
we would need to say:
.(l
alias msgs "| msgs -s"
.)l

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* /opt/ws_local/PERMITS_SQL/1068763952_1594427322.73/0/javax-inject-2-4-0-b25-sources-1-jar/javax/inject/Qualifier.java
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* /opt/ws_local/PERMITS_SQL/1068763952_1594427322.73/0/javax-inject-2-4-0-b25-sources-1-jar/javax/inject/Provider.java
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---- include/GL/g1.h :

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1.873 wide-align 1.1.2

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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/@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@ibofoi.dk>
  * Optional SNI-support for Python 2 via PyOpenSSL.

* Marc Schlaich <marc.schlaich@gmail.com>
  * Various bugfixes and test improvements.

* Bryce Boe <bzbryce@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.skytta@iki.fi>
  * Logging efficiency improvements, spelling fixes, Travis config.

* Shige Takeda <smtakeda@gmail.com>
  * Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response

* Jesse Shapiro <jesse@jesseshapiro.net>
  * Various character-encoding fixes/tweaks
  * Disabling IPv6 DNS when IPv6 connections not supported

* David Foster <http://dafoster.net/>
  * Ensure order of request and response headers are preserved.

* Jeremy Cline <jeremy@jcline.org>
  * Added connection pool keys by scheme

* Aviv Palivoda <palaviv@gmail.com>
  * History list to Retry object.
  * HTTPResponse contains the last Retry object.

* Nate Prewitt <nate.prewitt@gmail.com>
  * Ensure timeouts are not booleans and greater than zero.
  * Fixed infinite loop in `stream` when amt=None.
  * Added length_remaining to determine remaining data to be read.
  * Added enforce_content_length to raise exception when incorrect content-length received.

* Seth Michael Larson <sethmichaellarson@protonmail.com>
  * Created selectors backport that supports PEP 475.

* Alexandre Dias <alex.dias@smarkets.com>
  * Don't retry on timeout if method not in whitelist

* Moinuddin Quadri <moin18@gmail.com>
  * Lazily load idna package

* Tom White <s6yg1ez3@mail2tor.com>
  * Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.

* Tim Burke <tim.burke@gmail.com>
  * Stop buffering entire deflate-encoded responses.

* Tuukka Mustonen <tuukka.mustonen@gmail.com>
  * Add counter for status_forcelist retries.

* Erik Rose <erik@mozilla.com>
* Bugfix to pyopenssl vendoring

* [Your name or handle] <[email or website]>
* [Brief summary of your changes]

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1.882 cross-spawn-async 2.2.5

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1.883 gccbase 4.8.4-1
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@end smallexample
```

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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 Petersen (jep@mtia.me.mit.edu), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D. Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs (detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks (agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port. Brent Benson (brent@jade.ssd.cs.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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1.890 pathlib 2.3.5

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1.891 libcurlgnutls 7.47.0 1ubuntu2.18

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1.892 python3-zope-interface 4.3.2-1build2

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1.893 configure-influxdb 0.0.0

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Name: configure-influxdb
Version: 0.0.0
Summary: Configure InfluxDB (None)
Home-page: https://github3.cisco.com/project-maglev/maglev-influxdb
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: PyYAML (>=3.13)

# Maglev Configure InfluxDB
This is a simple repo for enforcing and ensuring configurations of InfluxDB defined in ManagedServiceBundles. When coupled with the influxdb library, this script enforces policies on startup and asserts for liveness checks

---

### Basic commands
### Assert Configurations
   python -m configure_databases --assert
A non-zero exit code signifies an InfluxDB configuration error
### Fix Configuration
   python -m configure_databases --fix
Returns a non-zero exit code on failure. Will attempt to modify InfluxDB configurations as specified in $CONFIG_FILE

### Debug
Either of the above commands can be run with the additional flag --debug for debug level logs

---

### Test
### Run Tests from your Python 2.7 VirtualEnv
   pyenv activate $PYTHON_27_ENV_NAME
   python setup.py test

### Test with Coverage from your Python 2.7 VirtualEnv
   pyenv activate $PYTHON_27_ENV_NAME
python -m coverage run --source=configure_influxdb/ setup.py test
python -m coverage html

### Test with Gradle

```
gradle :configure_influxdb:test --exclude-task getDependencies --exclude-task installTestDependencies
```

## Build

### Build with setup.py

```
python setup.py install
```

### Build with Gradle

```
gradle :configure_influxdb:clean :configure_influxdb:dist --exclude-task getDependencies --exclude-task installTestDependencies
```

The above command cleans up old data, recreates the wheel, and creates /dist/influxdb.tar.gz which contains our wheel file

Found in path(s):
- /opt/cola/permits/1124917252_1611542857.21/0/configure-influxdb-0.0.0-dist-info-
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1.894 libzstd1 1.3.3+dfsg 2ubuntu1.1

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1.897 libss 1.43.4-2

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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 put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

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This is the Debian GNU/Linux prepackaged version of the Common Error
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This package was put together by Yann Dirson <dirson@debian.org>,
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1.898 js-stringify 1.0.2

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1.899 spring-web-mvc 4.3.5.RELEASE

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* /opt/cola/permits/1111265439_1606892383.52/0/spring-webmvc-4-3-5-release-sources-jar/org/springframework/web/servlet/mvc/annotation/ServletCookieValueMethodArgumentResolver.java
* /opt/cola/permits/1111265439_1606892383.52/0/spring-webmvc-4-3-5-release-sources-jar/org/springframework/web/servlet/mvc/annotation/MatrixVariableMethodArgumentResolver.java
* /opt/cola/permits/1111265439_1606892383.52/0/spring-webmvc-4-3-5-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/ResponseEntityExceptionHandler.java

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jar/org/springframework/web/servlet/mvc/method/annotation/ResponseBodyEmitterAdapter.java
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* /opt/cola/permits/1111265439_1606892383.52/spring-webmvc-4-3-5-release-sources.jar/org/springframework/web/servlet/resource/DefaultResourceResolverChain.java
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* /opt/cola/permits/1111265439_1606892383.52/spring-webmvc-4-3-5-release-sources.jar/org/springframework/web/servlet/config/annotation/ResourceChainRegistration.java
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/**
 * XSLT-driven View that allows for response context to be rendered as the
 * result of an XSLT transformation.
 *
 * <p>The XSLT Source object is supplied as a parameter in the model and then
 * <code>{ @link #locateSource detected }</code> during response rendering. Users can either specify
 * a specific entry in the model via the <code>{ @link #setSourceKey sourceKey }</code> property or
 * have Spring locate the Source object. This class also provides basic conversion
 * of objects into Source implementations. See <code>{ @link #getSourceTypes() here }</code>
 * for more details.
 *
 * <p>All model parameters are passed to the XSLT Transformer as parameters.
 * In addition the user can configure <code>{ @link #setOutputProperties output properties }</code>
 * to be passed to the Transformer.
 *
 * @author Rob Harrop
 * @author Juergen Hoeller
 * @since 2.0
 */

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* A contract for inspecting and potentially modifying request data values such
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* *
* <p>Implementations may use this contract for example as part of a solution
* to provide data integrity, confidentiality, protection against cross-site
* request forgery (CSRF), and others or for other tasks such as automatically
* adding a hidden field to all forms and URLs.
* *
* <p>View technologies that support this contract can obtain an instance to
* delegate to via {link RequestContext#getRequestDataValueProcessor()}.  
* *
* @author Rossen Stoyanchev
* @since 3.1
*/

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jar/org/springframework/web/servlet/mvc/support/ControllerTypePredicate.java
* /opt/cola/permits/1111265439_1606892383.52/0/spring-webmvc-4-3-5-release-sources-
jar/org/springframework/web/servlet/view/document/AbstractPdfStamperView.java

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* /opt/cola/permits/1111265439_1606892383.52/0/spring-webmvc-4-3-5-release-sources-jar/org/springframework/web/servlet/view/jasperreports/JasperReportsHtmlView.java
* /opt/cola/permits/1111265439_1606892383.52/0/spring-webmvc-4-3-5-release-sources-jar/org/springframework/web/servlet/HandlerExecutionChain.java
* /opt/cola/permits/1111265439_1606892383.52/0/spring-webmvc-4-3-5-release-sources-jar/org/springframework/web/servlet/view/jasperreports/JasperReportsCsvView.java
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* /opt/cola/permits/1111265439_1606892383.52/0/spring-webmvc-4-3-5-release-sources.jar/org/springframework/web/servlet/mvc/Controller.java
* /opt/cola/permits/1111265439_1606892383.52/0/spring-webmvc-4-3-5-release-sources.jar/org/springframework/web/servlet/mvc/mvcConfigurer/RedirectAttributesMethodArgumentResolver.java
1.900 flush-write-stream 1.0.2

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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-coffbdf) 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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and:

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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
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lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
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
slave/kpropd_rpc.c
slave/kpropdlog.c

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lib/libgss/g_context_time.c
lib/libgss/g_delete_sec_context.c
lib/libgss/g_dsp_name.c
lib/libgss/g_dsp_status.c
lib/libgss/g_dup_name.c
lib/libgss/g_exp_sec_context.c
lib/libgss/g_export_name.c
lib/libgss/g_glue.c
lib/libgss/g_imp_name.c
lib/libgss/g_imp_sec_context.c
lib/libgss/g_init_sec_context.c
lib/libgss/g_initialize.c
lib/libgss/g_inquire_context.c
lib/libgss/g_inquire_cred.c
lib/libgss/g_inquire_names.c
lib/libgss/g_process_context.c
lib/libgss/g_rel_buffer.c
lib/libgss/g_rel_cred.c
lib/libgss/g_rel_name.c
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lib/libgss/g_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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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
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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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
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kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
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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
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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/mech/spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
lib/krb5/kdb/kdb_log.h
lib/libgss/g_accept_sec_context.c
lib/libgss/g_acquire_cred.c
lib/libgss/g_canon_name.c
lib/libgss/g_compare_name.c
lib/libgss/g_context_time.c
lib/libgss/g_delete_sec_context.c
lib/libgss/g_dsp_name.c
lib/libgss/g_dsp_status.c
lib/libgss/g_dup_name.c
lib/libgss/g_exp_sec_context.c
lib/libgss/g_export_name.c
lib/libgss/g_glue.c
lib/libgss/g_imp_name.c
```
lib/libgss/g_imp_sec_context.c
lib/libgss/g_init_sec_context.c
lib/libgss/g_initialize.c
lib/libgss/g_inquire_context.c
lib/libgss/g_inquire_cred.c
lib/libgss/g_inquire_names.c
lib/libgss/g_process_context.c
lib/libgss/g_rel_buffer.c
lib/libgss/g_rel_cred.c
lib/libgss/g_rel_name.c
lib/libgss/g_rel_oid_set.c
lib/libgss/g_seal.c
lib/libgss/g_sign.c
lib/libgss/g_store_cred.c
lib/libgss/g_unseal.c
lib/libgss/g_userok.c
lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
uts/common/gssapi/include/mechglueP.h

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

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
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1.940 krb5-multidev 1.17-3

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lib/gssapi/mechglue/g_canon_name.c  
lib/gssapi/mechglue/g_compare_name.c  
lib/gssapi/mechglue/g_context_time.c  
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lib/gssapi/mechglue/g_dup_name.c  
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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
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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slave/kpropd_rpc.c
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=back

=head1 EXAMPLE

This is an example showing how you can extract links from a document received using LWP:

use LWP::UserAgent;
use HTML::LinkExtor;
use URI::URL;

$url = "http://www.perl.org/";  # for instance
$ua = LWP::UserAgent->new;

# Set up a callback that collect image links
my @imgs = ();
sub callback {  
  my($tag, %attr) = @_;  
  return if $tag ne 'img';  # we only look closer at <img ...>
  push(@imgs, values %attr);
}

# Make the parser. Unfortunately, we don't know the base yet
# (it might be different from $url)
$p = HTML::LinkExtor->new(&callback);

# Request document and parse it as it arrives
$res = $ua->request(HTTP::Request->new(GET => $url),
  sub {
    $p->parse($_[0])
  });

# Expand all image URLs to absolute ones
my $base = $res->base;
@imgs = map { $_ = url($_, $base)->abs; } @imgs;

# Print them out
print join("\n", @imgs), "\n";

=head1 SEE ALSO

L<HTML::Parser>, L<HTML::Tagset>, L<LWP>, L<URI::URL>

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=cut

Found in path(s):
* /opt/cola/permits/1119808571_1609793015.8/0/libhtml-parser-perl-3-72-orig-1-tar-gz/HTML-Parser-3.72/lib/HTML/LinkExtor.pm
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=encoding utf8

=head1 NAME

HTML::Entities - Encode or decode strings with HTML entities

=head1 SYNOPSIS

use HTML::Entities;

$a = "Våre norske tegn b\oslash;r &\#230res";
decode_entities($a);
encode_entities($a, "200-\377");

For example, this:

$input = "vis-à-vis Beyoncé's naïve\n\npapier-mâché résumé";
print encode_entities($input), "\n"

Prints this out:

vis-\&agrave;-vis Beyoncé\&eacute;'s naïve\n\npapier-m\&macr\&eacute;c\&eacute;sumé;

=head1 DESCRIPTION

This module deals with encoding and decoding of strings with HTML character entities. The module provides the following functions:

=over 4

=item decode_entities( $string, ... )

This routine replaces HTML entities found in the $string with the corresponding Unicode character. Unrecognized entities are left alone.

If multiple strings are provided as argument they are each decoded separately and the same number of strings are returned.
If called in void context the arguments are decoded in-place.

This routine is exported by default.

=item _decode_entities( $string, \%entity2char )

=item _decode_entities( $string, \%entity2char, $expand_prefix )

This will in-place replace HTML entities in $string. The \%entity2char hash must be provided. Named entities not found in the \%entity2char hash are left alone. Numeric entities are expanded unless their value overflow.

The keys in \%entity2char are the entity names to be expanded and their values are what they should expand into. The values do not have to be single character strings. If a key has ";" as suffix, then occurrences in $string are only expanded if properly terminated with ";;". Entities without ";;" will be expanded regardless of how they are terminated for compatibility with how common browsers treat entities in the Latin-1 range.

If $expand_prefix is TRUE then entities without trailing ";;" in \%entity2char will even be expanded as a prefix of a longer unrecognized name. The longest matching name in \%entity2char will be used. This is mainly present for compatibility with an MSIE misfeature.

$string = "foo&nbspbar";
_decode_entities($string, { nb => "@", nbsp => "\xA0" }, 1);
print $string;  # will print "foo bar"

This routine is exported by default.

=item encode_entities( $string )

=item encode_entities( $string, $unsafe_chars )

This routine replaces unsafe characters in $string with their entity representation. A second argument can be given to specify which characters to consider unsafe. The unsafe characters is specified using the regular expression character class syntax (what you find within brackets in regular expressions).

The default set of characters to encode are control chars, high-bit chars, and the C<< < >>>, C<< & >>, C<< ' >> and C<< " >> characters. But this, for example, would encode I<just> the C<< < >>>, C<< & >>, C<< > >>, and C<< " >> characters:
$encoded = encode_entities($input, "<>&");

and this would only encode non-plain ascii:

$encoded = encode_entities($input, "^un\x20-\x25\x27-\x7e");

This routine is exported by default.

=item encode_entities_numeric( $string )

=item encode_entities_numeric( $string, $unsafe_chars )

This routine works just like encode_entities, except that the replacement entities are always C<&I<hexnum>;> and never C<&I<entname>;>. For example, C<encode_entities("r\xF4le")> returns "r&ocirc;le", but C<encode_entities_numeric("r\xF4le")> returns "r&#xF4;le".

This routine is I<not> exported by default. But you can always export it with C<use HTML::Entities qw(encode_entities_numeric)> or even C<use HTML::Entities qw(:DEFAULT encode_entities_numeric)>.

=back

All these routines modify the string passed as the first argument, if called in a void context. In scalar and array contexts, the encoded or decoded string is returned (without changing the input string).

If you prefer not to import these routines into your namespace, you can call them as:

use HTML::Entities ();
$decoded = HTML::Entities::decode($a);
$encoded = HTML::Entities::encode($a);
$encoded = HTML::Entities::encode_numeric($a);

The module can also export the %char2entity and the %entity2char hashes, which contain the mapping from all characters to the corresponding entities (and vice versa, respectively).

=head1 COPYRIGHT

Copyright 1995-2006 Gisle Aas. All rights reserved.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.
Objects of the C<HTML::Parser> class will recognize markup and separate it from plain text (alias data content) in HTML documents. As different kinds of markup and text are recognized, the corresponding event handlers are invoked.

C<HTML::Parser> is not a generic SGML parser. We have tried to make it able to deal with the HTML that is actually "out there", and it normally parses as closely as possible to the way the popular web browsers do it instead of strictly following one of the many HTML specifications from W3C. Where there is disagreement, there is often an option that you can enable to get the official behaviour.

The document to be parsed may be supplied in arbitrary chunks. This
makes on-the-fly parsing as documents are received from the network possible.

If event driven parsing does not feel right for your application, you might want to use C<HTML::PullParser>. This is an C<HTML::Parser> subclass that allows a more conventional program structure.

=head1 METHODS

The following method is used to construct a new C<HTML::Parser> object:

=over

=item $p = HTML::Parser->new( %options_and_handlers )

This class method creates a new C<HTML::Parser> object and returns it. Key/value argument pairs may be provided to assign event handlers or initialize parser options. The handlers and parser options can also be set or modified later by the method calls described below.

If a top level key is in the form "<event>_h" (e.g., "text_h") then it assigns a handler to that event, otherwise it initializes a parser option. The event handler specification value must be an array reference. Multiple handlers may also be assigned with the 'handlers => [%handlers]' option. See examples below.

If new() is called without any arguments, it will create a parser that uses callback methods compatible with version 2 of C<HTML::Parser>. See the section on "version 2 compatibility" below for details.

The special constructor option 'api_version => 2' can be used to initialize version 2 callbacks while still setting other options and handlers. The 'api_version => 3' option can be used if you don't want to set any options and don't want to fall back to v2 compatible mode.

Examples:

$$p = HTML::Parser->new(api_version => 3,
    text_h => [ sub {...}, "dtext" ]);$$

This creates a new parser object with a text event handler subroutine that receives the original text with general entities decoded.

$$p = HTML::Parser->new(api_version => 3,
    start_h => [ 'my_start', "self,tokens" ]);$$
This creates a new parser object with a start event handler method that receives the $p and the tokens array.

```
$p = HTML::Parser->new(api_version => 3,
               handlers => { text => [@array, "event,text"],
                             comment => [@array, "event,text"],
                           });
```

This creates a new parser object that stores the event type and the original text in @array for text and comment events.

=back

The following methods feed the HTML document to the C<HTML::Parser> object:

=over

=item $p->parse( $string )

Parse $string as the next chunk of the HTML document. Handlers invoked should not attempt to modify the $string in-place until $p->parse returns.

If an invoked event handler aborts parsing by calling $p->eof, then $p->parse() will return a FALSE value. Otherwise the return value is a reference to the parser object ($p).

=item $p->parse( $code_ref )

If a code reference is passed as the argument to be parsed, then the chunks to be parsed are obtained by invoking this function repeatedly. Parsing continues until the function returns an empty (or undefined) result. When this happens $p->eof is automatically signaled.

Parsing will also abort if one of the event handlers calls $p->eof.

The effect of this is the same as:

```
while (1) {
    my $chunk = &$code_ref();
    if (!defined($chunk) || !length($chunk)) {
        $p->eof;
        return $p;
    }
    $p->parse($chunk) || return undef;
}
```

But it is more efficient as this loop runs internally in XS code.
=item $p->parse_file( $file )

Parse text directly from a file. The $file argument can be a filename, an open file handle, or a reference to an open file handle.

If $file contains a filename and the file can’t be opened, then the method returns an undefined value and $! tells why it failed. Otherwise the return value is a reference to the parser object.

If a file handle is passed as the $file argument, then the file will normally be read until EOF, but not closed.

If an invoked event handler aborts parsing by calling $p->eof, then $p->parse_file() may not have read the entire file.

On systems with multi-byte line terminators, the values passed for the offset and length argspecs may be too low if parse_file() is called on a file handle that is not in binary mode.

If a filename is passed in, then parse_file() will open the file in binary mode.

=back

=itm $p->eof

Signals the end of the HTML document. Calling the $p->eof method outside a handler callback will flush any remaining buffered text (which triggers the C<text> event if there is any remaining text).

Calling $p->eof inside a handler will terminate parsing at that point and cause $p->parse to return a FALSE value. This also terminates parsing by $p->parse_file().

After $p->eof has been called, the parse() and parse_file() methods can be invoked to feed new documents with the parser object.

The return value from eof() is a reference to the parser object.

=back

Most parser options are controlled by boolean attributes. Each boolean attribute is enabled by calling the corresponding method with a TRUE argument and disabled with a FALSE argument. The attribute value is left unchanged if no argument is given. The return value from each method is the old attribute value.
Methods that can be used to get and/or set parser options are:

=item $p->attr_encoded
=item $p->attr_encoded( $bool )

By default, the C<attr> and C<@attr> argspecs will have general entities for attribute values decoded. Enabling this attribute leaves entities alone.

=item $p->backquote
=item $p->backquote( $bool )

By default, only ' and " are recognized as quote characters around attribute values. MSIE also recognizes backquotes for some reason. Enabling this attribute provides compatibility with this behaviour.

=item $p->boolean_attribute_value( $val )

This method sets the value reported for boolean attributes inside HTML start tags. By default, the name of the attribute is also used as its value. This affects the values reported for C<tokens> and C<attr> argspecs.

=item $p->case_sensitive
=item $p->case_sensitive( $bool )

By default, tagnames and attribute names are down-cased. Enabling this attribute leaves them as found in the HTML source document.

=item $p->closing_plaintext
=item $p->closing_plaintext( $bool )

By default, "plaintext" element can never be closed. Everything up to the end of the document is parsed in CDATA mode. This historical behaviour is what at least MSIE does. Enabling this attribute makes closing "</plaintext>" tag effective and the parsing process will resume after seeing this tag. This emulates early gecko-based browsers.

=item $p->empty_element_tags
=item $p->empty_element_tags( $bool )
By default, empty element tags are not recognized as such and the "/" before "">"] is just treated like a normal name character (unless C<strict_names> is enabled). Enabling this attribute make C<HTML::Parser> recognize these tags.

Empty element tags look like start tags, but end with the character sequence "/>" instead of ">". When recognized by C<HTML::Parser> they cause an artificial end event in addition to the start event. The C<text> for the artificial end event will be empty and the C<tokenpos> array will be undefined even though the token array will have one element containing the tag name.

=item $p->marked_sections

=item $p->marked_sections( $bool )

By default, section markings like <! [CDATA[...]]> are treated like ordinary text. When this attribute is enabled section markings are honoured.

There are currently no events associated with the marked section markup, but the text can be returned as C<skipped_text>.

=item $p->strict_comment

=item $p->strict_comment( $bool )

By default, comments are terminated by the first occurrence of "-->". This is the behaviour of most popular browsers (like Mozilla, Opera and MSIE), but it is not correct according to the official HTML standard. Officially, you need an even number of "--" tokens before the closing "">"] is recognized and there may not be anything but whitespace between an even and an odd "--".

The official behaviour is enabled by enabling this attribute.

Enabling of 'strict_comment' also disables recognizing these forms as comments:

</comment>
<! comment>

=item $p->strict_end

=item $p->strict_end( $bool )

By default, attributes and other junk are allowed to be present on end tags in a
manner that emulates MSIE's behaviour.

The official behaviour is enabled with this attribute. If enabled, only whitespace is allowed between the tagname and the final ">".

=item $p->strict_names

=item $p->strict_names( $bool )

By default, almost anything is allowed in tag and attribute names. This is the behaviour of most popular browsers and allows us to parse some broken tags with invalid attribute values like:

<IMG SRC=newprevlstGr.gif ALT=[PREV LIST] BORDER=0>

By default, "LIST]" is parsed as a boolean attribute, not as part of the ALT value as was clearly intended. This is also what Mozilla sees.

The official behaviour is enabled by enabling this attribute. If enabled, it will cause the tag above to be reported as text since "LIST]" is not a legal attribute name.

=item $p->unbroken_text

=item $p->unbroken_text( $bool )

By default, blocks of text are given to the text handler as soon as possible (but the parser takes care always to break text at a boundary between whitespace and non-whitespace so single words and entities can always be decoded safely). This might create breaks that make it hard to do transformations on the text. When this attribute is enabled, blocks of text are always reported in one piece. This will delay the text event until the following (non-text) event has been recognized by the parser.

Note that the C<offset> argspec will give you the offset of the first segment of text and C<length> is the combined length of the segments. Since there might be ignored tags in between, these numbers can't be used to directly index in the original document file.

=item $p->utf8_mode

=item $p->utf8_mode( $bool )

Enable this option when parsing raw undecoded UTF-8. This tells the parser that the entities expanded for strings reported by C<attr>, C<@attr> and C<dtext> should be expanded as decoded UTF-8 so they end...
up compatible with the surrounding text.
If C<utf8_mode> is enabled then it is an error to pass strings
containing characters with code above 255 to the parse() method, and
the parse() method will croak if you try.
Example: The Unicode character "\x{2665}" is "\xE2\x99\xA5" when UTF-8
encoded. The character can also be represented by the entity
"&hearts;" or "&#x2665". If we feed the parser:
$p->parse("\xE2\x99\xA5&hearts;");
then C<dtext> will be reported as "\xE2\x99\xA5\x{2665}" without
C<utf8_mode> enabled, but as "\xE2\x99\xA5\xE2\x99\xA5" when enabled.
The later string is what you want.
This option is only available with perl-5.8 or better.
=item $p->xml_mode
=item $p->xml_mode( $bool )
Enabling this attribute changes the parser to allow some XML
constructs. This enables the behaviour controlled by individually by
the C<case_sensitive>, C<empty_element_tags>, C<strict_names> and
C<xml_pic> attributes and also suppresses special treatment of
elements that are parsed as CDATA for HTML.
=item $p->xml_pic
=item $p->xml_pic( $bool )
By default, I<processing instructions> are terminated by ">". When
this attribute is enabled, processing instructions are terminated by
"?>" instead.
=back
As markup and text is recognized, handlers are invoked. The following
method is used to set up handlers for different events:
=over
=item $p->handler( event => \&subroutine, $argspec )
=item $p->handler( event => $method_name, $argspec )
=item $p->handler( event => \@accum, $argspec )

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This method assigns a subroutine, method, or array to handle an event.

Event is one of C<text>, C<start>, C<end>, C<declaration>, C<comment>, C<process>, C<start_document>, C<end_document> or C<default>.

The C\&subroutine is a reference to a subroutine which is called to handle the event.

The C<$method_name> is the name of a method of $p which is called to handle the event.

The C@$accum> is an array that will hold the event information as sub-arrays.

If the second argument is "", the event is ignored. If it is undef, the default handler is invoked for the event.

The C$argspec is a string that describes the information to be reported for the event. Any requested information that does not apply to a specific event is passed as C<undef>. If argspec is omitted, then it is left unchanged.

The return value from $p->handler is the old callback routine or a reference to the accumulator array.

Any return values from handler callback routines/methods are always ignored. A handler callback can request parsing to be aborted by invoking the $p->eof method. A handler callback is not allowed to invoke the $p->parse() or $p->parse_file() method. An exception will be raised if it tries.

Examples:

$p->handler(start => "start", 'self, attr, attrseq, text');

This causes the "start" method of object $p to be called for 'start' events. The callback signature is $p->start('%attr, %attr_seq, $text).

$p->handler(start => \&start, 'attr, attrseq, text');

This causes subroutine start() to be called for 'start' events.
The callback signature is start(%attr, @attr_seq, $text).

$p->handler(start => \@accum, "S", attr, attrseq, text');

This causes 'start' event information to be saved in @accum. The array elements will be ['S', %attr, @attr_seq, $text].

$p->handler(start => "");

This causes 'start' events to be ignored. It also suppresses invocations of any default handler for start events. It is in most cases equivalent to $p->handler(start => sub {}), but is more efficient. It is different from the empty-sub-handler in that C<skipped_text> is not reset by it.

$p->handler(start => undef);

This causes no handler to be associated with start events. If there is a default handler it will be invoked.

=back

Filters based on tags can be set up to limit the number of events reported. The main bottleneck during parsing is often the huge number of callbacks made from the parser. Applying filters can improve performance significantly.

The following methods control filters:

=over

=item $p->ignore_elements( @tags )

Both the C<start> event and the C<end> event as well as any events that would be reported in between are suppressed. The ignored elements can contain nested occurrences of itself. Example:

$p->ignore_elements(qw(script style));

The C<script> and C<style> tags will always nest properly since their content is parsed in CDATA mode. For most other tags C<ignore_elements> must be used with caution since HTML is often not I<well formed>.

=item $p->ignore_tags( @tags )

Any C<start> and C<end> events involving any of the tags given are suppressed. To reset the filter (i.e. don't suppress any C<start> and
C<end> events), call C<ignore_tags> without an argument.

=item $p->report_tags( @tags )

Any C<start> and C<end> events involving any of the tags I<not> given are suppressed. To reset the filter (i.e. report all C<start> and C<end> events), call C<report_tags> without an argument.

=back

Internally, the system has two filter lists, one for C<report_tags> and one for C<ignore_tags>, and both filters are applied. This effectively gives C<ignore_tags> precedence over C<report_tags>.

Examples:

$p->ignore_tags(qw(style));
$p->report_tags(qw(script style));

results in only C<script> events being reported.

=head2 Argspec

Argspec is a string containing a comma-separated list that describes the information reported by the event. The following argspec identifier names can be used:

=over

=item C<attr>

Attr causes a reference to a hash of attribute name/value pairs to be passed.

Boolean attributes' values are either the value set by $p->boolean_attribute_value, or the attribute name if no value has been set by $p->boolean_attribute_value.

This passes undef except for C<start> events.

Unless C<xml_mode> or C<case_sensitive> is enabled, the attribute names are forced to lower case.

General entities are decoded in the attribute values and one layer of matching quotes enclosing the attribute values is removed.

The Unicode character set is assumed for entity decoding.
=item C<@attr>

Basically the same as C<attr>, but keys and values are passed as individual arguments and the original sequence of the attributes is kept. The parameters passed will be the same as the @attr calculated here:

```perl
@attr = map { $_ => $attr->{$_} } @$attrseq;
```

assuming $attr and $attrseq here are the hash and array passed as the result of C<attr> and C<attrseq> argspecs.

This passes no values for events besides C<start>.

=item C<attrseq>

Attrseq causes a reference to an array of attribute names to be passed. This can be useful if you want to walk the C<attr> hash in the original sequence.

This passes undef except for C<start> events.

Unless C<xml_mode> or C<case_sensitive> is enabled, the attribute names are forced to lower case.

=item C<column>

Column causes the column number of the start of the event to be passed. The first column on a line is 0.

=item C<dtext>

Dtext causes the decoded text to be passed. General entities are automatically decoded unless the event was inside a CDATA section or was between literal start and end tags (C<script>, C<style>, C<xmp>, C<iframe>, C<title>, C<textarea> and C<plaintext>).

The Unicode character set is assumed for entity decoding. With Perl version 5.6 or earlier only the Latin-1 range is supported, and entities for characters outside the range 0..255 are left unchanged.

This passes undef except for C<text> events.

=item C<event>

Event causes the event name to be passed.

The event name is one of C<text>, C<start>, C<end>, C<declaration>,


C<comment>, C<process>, C<start_document> or C<end_document>.

=item C<is_cdata>

Is_cdata causes a TRUE value to be passed if the event is inside a CDATA section or between literal start and end tags (C<script>, C<style>, C<xmp>, C<iframe>, C<title>, C<textarea> and C<plaintext>).

if the flag is FALSE for a text event, then you should normally
either use C<dtext> or decode the entities yourself before the text is
processed further.

=item C<length>

Length causes the number of bytes of the source text of the event to
be passed.

=item C<line>

Line causes the line number of the start of the event to be passed.
The first line in the document is 1. Line counting doesn't start
until at least one handler requests this value to be reported.

=item C<offset>

Offset causes the byte position in the HTML document of the start of
the event to be passed. The first byte in the document has offset 0.

=item C<offset_end>

Offset_end causes the byte position in the HTML document of the end of
the event to be passed. This is the same as C<offset> + C<length>.

=item C<self>

Self causes the current object to be passed to the handler. If the
handler is a method, this must be the first element in the argspec.

An alternative to passing self as an argspec is to register closures
that capture $self by themselves as handlers. Unfortunately this
creates circular references which prevent the HTML::Parser object
from being garbage collected. Using the C<self> argspec avoids this
problem.

=item C<skipped_text>

Skipped_text returns the concatenated text of all the events that have
been skipped since the last time an event was reported. Events might
be skipped because no handler is registered for them or because some filter applies. Skipped text also includes marked section markup, since there are no events that can catch it.

If an \texttt{<}\texttt{>}-handler is registered for an event, then the text for this event is not included in \texttt{<skipped_text>}. Skipped text both before and after the \texttt{<}\texttt{>}-event is included in the next reported \texttt{<skipped_text>}

\item \texttt{C<tag>}

Same as \texttt{C<tagname>}, but prefixed with "/" if it belongs to an \texttt{C<end>} event and "/" for a declaration. The \texttt{C<tag>} does not have any prefix for \texttt{C<start>} events, and is in this case identical to \texttt{C<tagname>}

\item \texttt{C<tagname>}

This is the element name (or I<generic identifier> in SGML jargon) for start and end tags. Since HTML is case insensitive, this name is forced to lower case to ease string matching.

Since XML is case sensitive, the tagname case is not changed when \texttt{C<xml_mode>} is enabled. The same happens if the \texttt{C<case_sensitive>} attribute is set.

The declaration type of declaration elements is also passed as a tagname, even if that is a bit strange.
In fact, in the current implementation tagname is identical to \texttt{C<token0>} except that the name may be forced to lower case.

\item \texttt{C<token0>}

\texttt{Token0} causes the original text of the first token string to be passed. This should always be the same as $\texttt{tokens->[0]}$.

For \texttt{C<declaration>} events, this is the declaration type.

For \texttt{C<start>} and \texttt{C<end>} events, this is the tag name.

For \texttt{C<process>} and non-strict \texttt{C<comment>} events, this is everything inside the tag.

This passes undef if there are no tokens in the event.

\item \texttt{C<tokenpos>}

\texttt{Tokenpos} causes a reference to an array of token positions to be passed. For each string that appears in \texttt{C<tokens>}, this array
contains two numbers. The first number is the offset of the start of the token in the original `<text>` and the second number is the length of the token.

Boolean attributes in a `<start>` event will have (0,0) for the attribute value offset and length.

This passes `undef` if there are no tokens in the event (e.g., `<text>`) and for artificial `<end>` events triggered by empty element tags.

If you are using these offsets and lengths to modify `<text>`, you should either work from right to left, or be very careful to calculate the changes to the offsets.

=item `<tokens>`

Tokens causes a reference to an array of token strings to be passed. The strings are exactly as they were found in the original text, no decoding or case changes are applied.

For `<declaration>` events, the array contains each word, comment, and delimited string starting with the declaration type.

For `<comment>` events, this contains each sub-comment. If `$p->strict_comments` is disabled, there will be only one sub-comment.

For `<start>` events, this contains the original tag name followed by the attribute name/value pairs. The values of boolean attributes will be either the value set by `$p->boolean_attribute_value`, or the attribute name if no value has been set by `$p->boolean_attribute_value`.

For `<end>` events, this contains the original tag name (always one token).

For `<process>` events, this contains the process instructions (always one token).

This passes `<undef>` for `<text>` events.

=item `<text>`

Text causes the source text (including markup element delimiters) to be passed.

=item `<undef>`

Pass an undefined value. Useful as padding where the same handler routine is registered for multiple events.
=item C<'...'>
A literal string of 0 to 255 characters enclosed
in single (') or double (") quotes is passed as entered.
=back
The whole argspec string can be wrapped up in C<'@{...}'> to signal
that the resulting event array should be flattened. This only makes a
difference if an array reference is used as the handler target.
Consider this example:
$p->handler(text => [], 'text');
$p->handler(text => [], '@{text}']);
With two text events; C<"foo">, C<"bar">; then the first example will end
up with [["foo"], ["bar"]] and the second with ["foo", "bar"] in
the handler target array.

=head2 Events
Handlers for the following events can be registered:
=over
=item C<comment>
This event is triggered when a markup comment is recognized.
Example:
<!-- This is a comment -- -- So is this -->
=item C<declaration>
This event is triggered when a I<markup declaration> is recognized.
For typical HTML documents, the only declaration you are
likely to find is <!DOCTYPE ...>.
Example:
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN"
"http://www.w3.org/TR/html4/strict.dtd">
DTDs inside <!DOCTYPE ...> will confuse HTML::Parser.

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This event is triggered for events that do not have a specific handler. You can set up a handler for this event to catch stuff you did not want to catch explicitly.

This event is triggered when an end tag is recognized.

Example:

</A>

This event is triggered when $p->eof is called and after any remaining text is flushed. There is no document text associated with this event.

This event is triggered when a processing instructions markup is recognized.

The format and content of processing instructions are system and application dependent.

Examples:

<? HTML processing instructions >
<? XML processing instructions ?>

This event is triggered when a start tag is recognized.

Example:

<A HREF="http://www.perl.com/">

This event is triggered before any other events for a new document. A handler for it can be used to initialize stuff. There is no document text associated with this event.
This event is triggered when plain text (characters) is recognized. The text may contain multiple lines. A sequence of text may be broken between several text events unless $p->unbroken_text is enabled.

The parser will make sure that it does not break a word or a sequence of whitespace between two text events.

=head2 Unicode

C<HTML::Parser> can parse Unicode strings when running under perl-5.8 or better. If Unicode is passed to $p->parse() then chunks of Unicode will be reported to the handlers. The offset and length argspecs will also report their position in terms of characters.

It is safe to parse raw undecoded UTF-8 if you either avoid decoding entities and make sure to not use I<argspecs> that do, or enable the C<utf8_mode> for the parser. Parsing of undecoded UTF-8 might be useful when parsing from a file where you need the reported offsets and lengths to match the byte offsets in the file.

If a filename is passed to $p->parse_file() then the file will be read in binary mode. This will be fine if the file contains only ASCII or Latin-1 characters. If the file contains UTF-8 encoded text then care must be taken when decoding entities as described in the previous paragraph, but better is to open the file with the UTF-8 layer so that it is decoded properly:

```perl
open(my $fh, "<:utf8", "index.html") || die "...: $!";
$p->parse_file($fh);
```

If the file contains text encoded in a charset besides ASCII, Latin-1 or UTF-8 then decoding will always be needed.

=head1 VERSION 2 COMPATIBILITY

When an C<HTML::Parser> object is constructed with no arguments, a set of handlers is automatically provided that is compatible with the old HTML::Parser version 2 callback methods.

This is equivalent to the following method calls:

```perl
$p->handler(start => "start", "self, tagname, attr, attrseq, text");
$p->handler(end => "end", "self, tagname, text");
$p->handler(text => "text", "self, text, is_cdata");
$p->handler(process => "process", "self, token0, text");
```
$p->handler(comment =>
    sub {
my($self, $tokens) = @_;  
for (@$tokens) {$self->comment($_);}},
  "self, tokens");
$p->handler(declaration =>
    sub {
my $self = shift;
$self->declaration(substr($_[0], 2, -1));},
    "self, text");

Setting up these handlers can also be requested with the "api_version =>
2" constructor option.

=head1 SUBCLASSING

The C<HTML::Parser> class is subclassable. Parser objects are plain
hashes and C<HTML::Parser> reserves only hash keys that start with
"_hparser". The parser state can be set up by invoking the init()
method, which takes the same arguments as new().

=head1 EXAMPLES

The first simple example shows how you might strip out comments from
an HTML document. We achieve this by setting up a comment handler that
does nothing and a default handler that will print out anything else:

use HTML::Parser;
HTML::Parser->new(default_h => [sub { print shift }, 'text'],
    comment_h => ['"'],
)->parse_file(shift || die) || die $!;

An alternative implementation is:

use HTML::Parser;
HTML::Parser->new(end_document_h => [sub { print shift }, 'skipped_text'],
    comment_h => ['"'],
)->parse_file(shift || die) || die $!;

This will in most cases be much more efficient since only a single
callback will be made.

The next example prints out the text that is inside the <title>
element of an HTML document. Here we start by setting up a start
handler. When it sees the title start tag it enables a text handler
that prints any text found and an end handler that will terminate
parsing as soon as the title end tag is seen:
use HTML::Parser ();

sub start_handler
{
    return if shift ne "title";
    my $self = shift;
    $self->handler(text => sub { print shift }, "dtext");
    $self->handler(end => sub { shift->eof if shift eq "title"; },
        "tagname,self");
}

my $p = HTML::Parser->new(api_version => 3);
$p->handler(start => \&start_handler, "tagname,self");
$p->parse_file(shift || die) || die $!
print "\n";

More examples are found in the F<eg/> directory of the C<HTML-Parser>
distribution: the program C<hrefsub> shows how you can edit all links
found in a document; the program C<htextsub> shows how to edit the text only; the
program C<hstrip> shows how you can strip out certain tags/elements
and/or attributes; and the program C<htext> show how to obtain the
plain text, but not any script/style content.

You can browse the F<eg/> directory online from the I<[Browse]> link on
the http://search.cpan.org/~gaas/HTML-Parser/ page.

=head1 BUGS

The <style> and <script> sections do not end with the first "</", but
need the complete corresponding end tag. The standard behaviour is
not really practical.

When the I<strict_comment> option is enabled, we still recognize
comments where there is something other than whitespace between even
and odd "--" markers.

Once $p->boolean_attribute_value has been set, there is no way to
restore the default behaviour.

There is currently no way to get both quote characters
into the same literal argspec.

Empty tags, e.g. "<>" and "</>", are not recognized. SGML allows them
to repeat the previous start tag or close the previous start tag
respectively.

NET tags, e.g. "code/.../" are not recognized. This is SGML.
shorthand for "<code>...</code>".

Unclosed start or end tags, e.g. "<tt<b>...</b</tt>" are not recognized.

=head1 DIAGNOSTICS

The following messages may be produced by HTML::Parser. The notation in this listing is the same as used in L<perldiag>:

=over

=item Not a reference to a hash

(F) The object blessed into or subclassed from HTML::Parser is not a hash as required by the HTML::Parser methods.

=item Bad signature in parser state object at %p

(F) The _hparser_xs_state element does not refer to a valid state structure. Something must have changed the internal value stored in this hash element, or the memory has been overwritten.

=item _hparser_xs_state element is not a reference

(F) The _hparser_xs_state element has been destroyed.

=item Can't find '_hparser_xs_state' element in HTML::Parser hash

(F) The _hparser_xs_state element is missing from the parser hash. It was either deleted, or not created when the object was created.

=item API version %s not supported by HTML::Parser %s

(F) The constructor option 'api_version' with an argument greater than or equal to 4 is reserved for future extensions.

=item Bad constructor option '%s'

(F) An unknown constructor option key was passed to the new() or init() methods.

=item Parse loop not allowed

(F) A handler invoked the parse() or parse_file() method. This is not permitted.

=item marked sections not supported
(F) The $p->marked_sections() method was invoked in a HTML::Parser module that was compiled without support for marked sections.

=item Unknown boolean attribute (%d)

(F) Something is wrong with the internal logic that set up aliases for boolean attributes.

=item Only code or array references allowed as handler

(F) The second argument for $p->handler must be either a subroutine reference, then name of a subroutine or method, or a reference to an array.

=item No handler for %s events

(F) The first argument to $p->handler must be a valid event name; i.e. one of "start", "end", "text", "process", "declaration" or "comment".

=item Unrecognized identifier %s in argspec

(F) The identifier is not a known argspec name. Use one of the names mentioned in the argspec section above.

=item Literal string is longer than 255 chars in argspec

(F) The current implementation limits the length of literals in an argspec to 255 characters. Make the literal shorter.

=item Backslash reserved for literal string in argspec

(F) The backslash character "\" is not allowed in argspec literals. It is reserved to permit quoting inside a literal in a later version.

=item Unterminated literal string in argspec

(F) The terminating quote character for a literal was not found.

=item Bad argspec (%s)

(F) Only identifier names, literals, spaces and commas are allowed in argspecs.

=item Missing comma separator in argspec

(F) Identifiers in an argspec must be separated with ",".
=item Parsing of undecoded UTF-8 will give garbage when decoding entities

(W) The first chunk parsed appears to contain undecoded UTF-8 and one or more argspecs that decode entities are used for the callback handlers.

The result of decoding will be a mix of encoded and decoded characters for any entities that expand to characters with code above 127. This is not a good thing.

The recommended solution is to apply Encode::decode_utf8() on the data before feeding it to the $p->parse(). For $p->parse_file() pass a file that has been opened in "utf8" mode.

The alternative solution is to enable the C<utf8_mode> and not decode before passing strings to $p->parse(). The parser can process raw undecoded UTF-8 sanely if the C<utf8_mode> is enabled, or if the "attr", "@attr" or "dtext" argspecs are avoided.

=item Parsing string decoded with wrong endianness

(W) The first character in the document is U+FFFE. This is not a legal Unicode character but a byte swapped BOM. The result of parsing will likely be garbage.

=item Parsing of undecoded UTF-32

(W) The parser found the Unicode UTF-32 BOM signature at the start of the document. The result of parsing will likely be garbage.

=item Parsing of undecoded UTF-16

(W) The parser found the Unicode UTF-16 BOM signature at the start of the document. The result of parsing will likely be garbage.

=back

=head1 SEE ALSO

L<HTML::Entities>, L<HTML::PullParser>, L<HTML::TokeParser>, L<HTML::HeadParser>, L<HTML::LinkExtor>, L<HTML::Form>
L<HTML::TreeBuilder> (part of the I<HTML::Tree> distribution)
L<http://www.w3.org/TR/html4/>

More information about marked sections and processing instructions may be found at L<http://www.is-thought.co.uk/book/sgml-8.htm>.
Found in path(s):
* /opt/cola/permits/1119808571_1609793015.8/0/libhtml-parser-perl-3-72-orig-1-tar-gz/HTML-Parser-3.72/Parser.pm
No license file was found, but licenses were detected in source scan.

*/
* Copyright 1999-2016, Gisle Aas
* Copyright 1999-2000, Michael A. Chase
* This library is free software; you can redistribute it and/or
* modify it under the same terms as Perl itself.
*/

Found in path(s):
* /opt/cola/permits/1119808571_1609793015.8/0/libhtml-parser-perl-3-72-orig-1-tar-gz/HTML-Parser-3.72/hparser.c
* /opt/cola/permits/1119808571_1609793015.8/0/libhtml-parser-perl-3-72-orig-1-tar-gz/HTML-Parser-3.72/hparser.h
No license file was found, but licenses were detected in source scan.

NAME

HTML::TokeParser - Alternative HTML::Parser interface

SYNOPSIS

require HTML::TokeParser;
$p = HTML::TokeParser->new("index.html") ||
die "Can't open: $!";
$p->empty_element_tags(1); # configure its behaviour

while (my $token = $p->get_token) {
    #...
}

DESCRIPTION
The \texttt{HTML::TokeParser} is an alternative interface to the \texttt{HTML::Parser} class. It is an \texttt{HTML::PullParser} subclass with a predeclared set of token types. If you wish the tokens to be reported differently you probably want to use the \texttt{HTML::PullParser} directly.

The following methods are available:

\begin{verbatim}
=over 4
=item $p = HTML::TokeParser->new( $filename, %opt );
=item $p = HTML::TokeParser->new( $filehandle, %opt );
=item $p = HTML::TokeParser->new( $document, %opt );

The object constructor argument is either a file name, a file handle object, or the complete document to be parsed. Extra options can be provided as key/value pairs and are processed as documented by the base classes.

If the argument is a plain scalar, then it is taken as the name of a file to be opened and parsed. If the file can't be opened for reading, then the constructor will return \texttt{undef} and $! will tell you why it failed.

If the argument is a reference to a plain scalar, then this scalar is taken to be the literal document to parse. The value of this scalar should not be changed before all tokens have been extracted.

Otherwise the argument is taken to be some object that the \texttt{HTML::TokeParser} can \texttt{read()} from when it needs more data. Typically it will be a filehandle of some kind. The stream will be \texttt{read()} until EOF, but not closed.

A newly constructed \texttt{HTML::TokeParser} differs from its base classes by having the \texttt{unbroken_text} attribute enabled by default. See \texttt{HTML::Parser} for a description of this and other attributes that influence how the document is parsed. It is often a good idea to enable \texttt{empty_element_tags} behaviour.

Note that the parsing result will likely not be valid if raw undecoded UTF-8 is used as a source. When parsing UTF-8 encoded files turn on UTF-8 decoding:

\begin{verbatim}
open(my $fh, "<:utf8", "index.html") || die "Can't open 'index.html': $!";
my $p = HTML::TokeParser->new( $fh );
# ...
\end{verbatim}
If a $filename is passed to the constructor the file will be opened in raw mode and the parsing result will only be valid if its content is Latin-1 or pure ASCII.

If parsing from an UTF-8 encoded string buffer decode it first:

```perl
utf8::decode($document);
my $p = HTML::TokeParser->new( \$document );
# ...
```

=item $p->get_token

This method will return the next I<token> found in the HTML document, or C<undef> at the end of the document. The token is returned as an array reference. The first element of the array will be a string denoting the type of this token: "S" for start tag, "E" for end tag, "T" for text, "C" for comment, "D" for declaration, and "PI" for process instructions. The rest of the token array depend on the type like this:

```perl
[S",  $tag, $attr, $attrseq, $text]
[E",  $tag, $text]
[T",  $text, $is_data]
[C",  $text]
[D",  $text]
[PI", $token0, $text]
```

where $attr is a hash reference, $attrseq is an array reference and the rest are plain scalars. The L<HTML::Parser/Argspec> explains the details.

=item $p->unget_token( @tokens )

If you find you have read too many tokens you can push them back, so that they are returned the next time $p->get_token is called.

=item $p->get_tag

=item $p->get_tag( @tags )

This method returns the next start or end tag (skipping any other tokens), or C<undef> if there are no more tags in the document. If one or more arguments are given, then we skip tokens until one of the specified tag types is found. For example:

```perl
$p->get_tag("font", "/font");
```

will find the next start or end tag for a font-element.
The tag information is returned as an array reference in the same form as for \$p->get_token above, but the type code (first element) is missing. A start tag will be returned like this:

\[
[\$tag, \$attr, \$attrseq, \$text]
\]

The tagname of end tags are prefixed with "/", i.e. end tag is returned like this:

\[
["/$tag", \$text]
\]

=item $p->get_text

=item $p->get_text( @endtags )

This method returns all text found at the current position. It will return a zero length string if the next token is not text. Any entities will be converted to their corresponding character.

If one or more arguments are given, then we return all text occurring before the first of the specified tags found. For example:

\$p->get_text("p", "br");

will return the text up to either a paragraph or linebreak element.

The text might span tags that should be textified. This is controlled by the \$p->{textify} attribute, which is a hash that defines how certain tags can be treated as text. If the name of a start tag matches a key in this hash then this tag is converted to text. The hash value is used to specify which tag attribute to obtain the text from. If this tag attribute is missing, then the upper case name of the tag enclosed in brackets is returned, e.g. "[IMG]". The hash value can also be a subroutine reference. In this case the routine is called with the start tag token content as its argument and the return value is treated as the text.

The default \$p->{textify} value is:

\{ img => "alt", applet => "alt" \}

This means that <IMG> and <APPLET> tags are treated as text, and that the text to substitute can be found in the ALT attribute.

=item $p->get_trimmed_text

=item $p->get_trimmed_text( @endtags )
Same as $p->get_text above, but will collapse any sequences of white space to a single space character. Leading and trailing white space is removed.

=item $p->get_phrase

This will return all text found at the current position ignoring any phrasal-level tags. Text is extracted until the first non phrasal-level tag. Textification of tags is the same as for get_text(). This method will collapse white space in the same way as get_trimmed_text() does.

The definition of <i>phrasal-level tags</i> is obtained from the HTML::Tagset module.

=back

=head1 EXAMPLES

This example extracts all links from a document. It will print one line for each link, containing the URL and the textual description between the <A>...</A> tags:

use HTML::TokeParser;
$p = HTML::TokeParser->new(shift||"index.html");

while (my $token = $p->get_tag("a")) {
    my $url = $token->[1][href] || ";"
    my $text = $p->get_trimmed_text("/a");
    print "$url
$text
"
}

This example extract the <TITLE> from the document:

use HTML::TokeParser;
$p = HTML::TokeParser->new(shift||"index.html");
if ($p->get_tag("title")) {
    my $title = $p->get_trimmed_text;
    print "Title: $title
"
}

=head1 SEE ALSO

L<HTML::PullParser>, L<HTML::Parser>

=head1 COPYRIGHT
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This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

=head1 NAME

HTML::Filter - Filter HTML text through the parser

=head1 NOTE

B<This module is deprecated.> The C<HTML::Parser> now provides the functionality of C<HTML::Filter> much more efficiently with the C<default> handler.

=head1 SYNOPSIS

require HTML::Filter;
$p = HTML::Filter->new->parse_file("index.html");

=head1 DESCRIPTION

C<HTML::Filter> is an HTML parser that by default prints the original text of each HTML element (a slow version of cat(1) basically). The callback methods may be overridden to modify the filtering for some HTML elements and you can override output() method which is called to print the HTML text.

C<HTML::Filter> is a subclass of C<HTML::Parser>. This means that the document should be given to the parser by calling the $p->parse() or $p->parse_file() methods.

=head1 EXAMPLES

The first example is a filter that will remove all comments from an HTML file. This is achieved by simply overriding the comment method to do nothing.

package CommentStripper;
require HTML::Filter;
@ISA=qw(HTML::Filter);
sub comment { } # ignore comments

The second example shows a filter that will remove any \texttt{<TABLE>}s found in the HTML file. We specialize the \texttt{start()} and \texttt{end()} methods to count table tags and then make output not happen when inside a table.

package TableStripper;
require HTML::Filter;
@ISA=qw(HTML::Filter);
sub start
{
    my $self = shift;
    $self->{table_seen}++ if $_[0] eq "table";
    $self->SUPER::start(@_);
}

sub end
{
    my $self = shift;
    $self->SUPER::end(@_);
    $self->{table_seen}-- if $_[0] eq "table";
}

sub output
{
    my $self = shift;
    unless ($self->{table_seen}) {
        $self->SUPER::output(@_);
    }
}

If you want to collect the parsed text internally you might want to do something like this:

package FilterIntoString;
require HTML::Filter;
@ISA=qw(HTML::Filter);
sub output { push(@{$_[0]->{fhtml}}, $_[1]) }
sub filtered_html { join("", @{$_[0]->{fhtml}}) }

=heading SEE ALSO

L\texttt{HTML::Parser}\R

=heading COPYRIGHT

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=cut

Found in path(s):
* /opt/cola/permits/1119808571_1609793015.8/0/libhtml-parser-perl-3-72-orig-1-tar-gz/HTML-Parser-3.72/lib/HTML/Filter.pm
No license file was found, but licenses were detected in source scan.

OVERVIEW

The HTML::Parser distribution is a collection of modules that parse and extract information from HTML documents. The modules present in this collection are:

HTML::Parser - The parser base class. It receives arbitrary sized chunks of the HTML text, recognizes markup elements, and separates them from the plain text. As different kinds of markup and text are recognized, the corresponding event handlers are invoked.

HTML::Entities - Provides functions to encode and decode text with embedded HTML &lt;entities&gt;.

HTML::HeadParser - A lightweight HTML::Parser subclass that extracts information from the &lt;HEAD&gt; section of an HTML document.

HTML::LinkExtor - An HTML::Parser subclass that extracts links from an HTML document.

HTML::PullParser - An alternative interface to the basic parser that does not require event driven programming.

HTML::TokeParser - An HTML::PullParser subclass with fixed token setup and methods for extracting text. Many simple parsing needs are probably best attacked with this module.

In addition take a look at the HTML::Tree package that build on HTML::Parser to create and extract information from HTML syntax trees (similar to HTML DOM).

PREREQUISITES

In order to install and use this package you will need Perl version 5.8 or better. The HTML::Tagset module should be installed.
If you intend to use the HTML::HeadParser you probably want to install libwww-perl too.

INSTALLATION

Just follow the usual procedure:

perl Makefile.PL
make
make test
make install

REPORTING BUGS

Bug reports and issues for discussion about these modules can be sent to the <libwww@perl.org> mailing list.

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Found in path(s):
* /opt/cola/permits/1119808571_1609793015.8/0/libhtml-parser-perl-3-72-orig-1.tar.gz/HTML-Parser-3.72/README
No license file was found, but licenses were detected in source scan.

/ *
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* *
* This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.
* /

Found in path(s):
* /opt/cola/permits/1119808571_1609793015.8/0/libhtml-parser-perl-3-72-orig-1.tar.gz/HTML-Parser-3.72/util.c
No license file was found, but licenses were detected in source scan.

=back

=head1 EXAMPLE
$h = HTTP::Headers->new;
$p = HTML::HeadParser->new($h);
$p->parse(<EOT>
<title>Stupid example</title>
<base href="http://www.linpro.no/lwp/>
Normal text starts here.
EOT
undef $p;
print $h->title;  # should print "Stupid example"

=head1 SEE ALSO

L<HTML::Parser>, L<HTTP::Headers>

The C<HTTP::Headers> class is distributed as part of the
I<libwww-perl> package. If you don't have that distribution installed
you need to provide the $header argument to the C<HTML::HeadParser>
constructor with your own object that implements the documented
protocol.

=head1 COPYRIGHT

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=cut

Found in path(s):
  * /opt/cola/permits/1119808571_1609793015.8/0/libhtml-parser-perl-3-72-orig-1-tar-gz/HTML-Parser-3.72/lib/HTML/HeadParser.pm
No license file was found, but licenses were detected in source scan.

/*
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 */

Found in path(s):
  * /opt/cola/permits/1119808571_1609793015.8/0/libhtml-parser-perl-3-72-orig-1-tar-gz/HTML-Parser-3.72/Parser.xs
No license file was found, but licenses were detected in source scan.
---
abstract: 'HTML parser class'
author:
- 'Gisle Aas <gisle@activestate.com>'
built_requires:
  ExtUtils::MakeMaker: 0
  Test::More: 0
configure_requires:
  ExtUtils::MakeMaker: 0
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 6.66, CPAN::Meta::Converter version 2.133380'
license: perl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: HTML::Parser
no_index:
directory:
  - t
  - inc
recommends:
  HTTP::Headers: 0
requires:
  HTML::Tagset: 3
  XSLoader: 0
  perl: 5.008
resources:
  MailingList: mailto:libwww@perl.org
  repository: http://github.com/gisle/html-parser
version: 3.72

Found in path(s):
* /opt/cola/permits/1119808571_1609793015.8/0/libhtml-parser-perl-3-72-orig-1-tar-gz/HTML-Parser-3.72/META.yml
No license file was found, but licenses were detected in source scan.

=head1 NAME
HTML::PullParser - Alternative HTML::Parser interface

=head1 SYNOPSIS

use HTML::PullParser;

$p = HTML::PullParser->new(file => "index.html",
    start => 'event, tagname, @attr',
    end   => 'event, tagname',
    ignore_elements => [qw(script style)],


The HTML::PullParser is an alternative interface to the HTML::Parser class. It basically turns the HTML::Parser inside out. You associate a file (or any IO::Handle object or string) with the parser at construction time and then repeatedly call $parser->get_token to obtain the tags and text found in the parsed document.

The following methods are provided:

=item $p = HTML::PullParser->new( file => $file, %options )
=item $p = HTML::PullParser->new( doc => \$doc, %options )

A C<HTML::PullParser> can be made to parse from either a file or a literal document based on whether the C<file> or C<doc> option is passed to the parser's constructor.

The C<file> passed in can either be a file name or a file handle object. If a file name is passed, and it can't be opened for reading, then the constructor will return an undefined value and $! will tell you why it failed. Otherwise the argument is taken to be some object that the C<HTML::PullParser> can read() from when it needs more data. The stream will be read() until EOF, but not closed.

A C<doc> can be passed plain or as a reference to a scalar. If a reference is passed then the value of this scalar should not be changed before all tokens have been extracted.

Next the information to be returned for the different token types must be set up. This is done by simply associating an argspec (as defined in L<HTML::Parser>) with the events you have an interest in. For instance, if you want C<start> tokens to be reported as the string C<S> followed by the tagname and the attributes you might pass an C<start>-option like this:

```
$p = HTML::PullParser->new(  
    doc => $document_to_parse,  
    start => "S", tagname, @attr',  
    end => "E", tagname',  
);  
```
At last other C<HTML::Parser> options, like C<ignore_tags>, and C<unbroken_text>, can be passed in. Note that you should not use the I<event>_h options to set up parser handlers. That would confuse the inner logic of C<HTML::PullParser>.

=item $token = $p->get_token

This method will return the next I<token> found in the HTML document, or C<undef> at the end of the document. The token is returned as an array reference. The content of this array match the argspec set up during C<HTML::PullParser> construction.

=item $p->unget_token( @tokens )

If you find out you have read too many tokens you can push them back, so that they are returned again the next time $p->get_token is called.

=back

=head1 EXAMPLES

The 'eg/hform' script shows how we might parse the form section of HTML::Documents using HTML::PullParser.

=head1 SEE ALSO

L<HTML::Parser>, L<HTML::TokeParser>

=head1 COPYRIGHT

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=cut

Found in path(s):
  * /opt/cola/permits/1119808571_1609793015.8/0/libhtml-parser-perl-3-72-orig-1-tar-gz/HTML-Parser-3.72/lib/HTML/PullParser.pm

1.943 @babel/plugin-transform-template-literals 7.2.0
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1.945 resolve-pathname 2.2.0

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1.946 libssl 1.0.2n 1ubuntu5.6

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1.947 base-files 9.4ubuntu4.5

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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,
analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/bn/stopwords.txt
```


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

```
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/fr/FrenchLightStemmer.java
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analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java
```

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

The Polish analyzer (stempel) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in

```
stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt
```

See http://project.carrot2.org/license.html.

The SmartChineseAnalyzer source code (smartcn) was provided by Xiaoping Gao and copyright 2009 by www.imdict.net.

```
WordBreakTestUnicode_*.java (under modules/analysis/common/src/test/)
```
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The Morfologik analyzer (morfologik) includes BSD-licensed software developed by Dawid Weiss and Marcin Mikowski (http://morfologik.blogspot.com/).

Morfologik uses data from Polish ispell/myspell dictionary (http://www.sjp.pl/slownik/en/) licenced on the terms of (inter alia) LGPL and Creative Commons ShareAlike.

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Servlet-api.jar and javax.servlet-*.jar are under the CDDL license, the original source code for this can be found at http://www.eclipse.org/jetty/downloads.php

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Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
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mecab-ipadic-2.7.0-20070801

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http://jaist.dl.sourceforge.net/project/mecab/mecab-ipadic/2.7.0-20070801/mecab-ipadic-2.7.0-20070801.tar.gz

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mecab-ko-dic-2.0.3-20170922

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1.949 assertion-error 1.0.0

1.949.1 Available under license :

No license file was found, but licenses were detected in source scan.

/*!
 * assertion-error
 * Copyright(c) 2013 Jake Luer <jake@qualiancy.com>
 * MIT Licensed
 */

Found in path(s):
* /opt/cola/permits/1127087477_1611777298.09/0/chaijs-assertion-error-1-0-0-0-gcb277d2-tar-gz/chaijs-assertion-error-fb9f249/index.js
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# AssertionError [!Build Status](https://travis-ci.org/chaijs/assertion-error.png?branch=master)](https://travis-ci.org/chaijs/assertion-error)

> Error constructor for test and validation frameworks that implements standardized AssertionError specification.

## Installation

### Node.js

`assertion-error` is available on [npm](http://npmjs.org).

$ npm install assertion-error

### Component

`assertion-error` is available as a [component](https://github.com/component/component).
$ component install chaijs/assertion-error

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1.950 python-dev 3.5.1 3

1.950.1 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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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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1.951 io-console 0.5.9

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1.952 readable-stream 1.0.34

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1.953 zipkin-autoconfigure-ui 1.20.1

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jar/zipkin/autoconfigure/ui/ZipkinUiProperties.java
* /opt/cola/permits/1176282595_1624666893.05/0/zipkin-autoconfigure-ui-1-20-1-sources-
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1.954 python-requests 2.20.1

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

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python was created in the early 1990s by guido van rossum at stichting
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successor of a language called abc. guido remains python's principal author,
although it includes many contributions from others.
In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us/) in Reston, Virginia where he released several versions of the software.

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

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+-----------------+--------------+-----------+------------+-----------------+
| 2.1.2           | 2.1.1        | 2002      | PSF        | yes             |
+-----------------+--------------+-----------+------------+-----------------+
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Mersenne Twister
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The `mod`:`_random` module includes code based on a download from http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html. The following are the verbatim comments from the original code::

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

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

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Sockets
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MD5 message digest algorithm

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L. Peter Deutsch
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

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

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

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

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

Asynchronous socket services

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

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UUencode and UUdecode functions

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

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
  between ascii and binary. This results in a 1000-fold speedup. The C
  version is still 5 times faster, though.
- Arguments more compliant with Python standard

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strtod and dtoa
----------

The file :file:`Python/dtoa.c`, which supplies C functions dtoa and
strtod for conversion of C doubles to and from strings, is derived
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libffi
------

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zlib
----

```
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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.
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1.965 babel-plugin-syntax-class-properties

6.13.0

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1.966 python-pyasn1-modules 0.2.1-0.2

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* /opt/cola/permits/1127084417_1611785502.92/0/kjd-idna-v2-0-0-gbb6e94c-1-tar-gz/kjd-idna-1cdd421/LICENSE.rst
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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 IDNA2008, can generate materially different results to the previous standard. The library can act as a drop-in replacement for the "encodings.idna" module.
---

```python
import sys
from setuptools import setup
import io

version = "2.0"

def main():
    python_version = sys.version_info[:2]
    if python_version < (2,6):
        raise SystemExit("Sorry, Python 2.6 or newer required")

    arguments = {
        'name': 'idna',
        'packages': ['idna'],
        'version': version,
        'description': 'Internationalized Domain Names in Applications (IDNA)',
        'long_description': io.open("README.rst", encoding="UTF-8").read(),
        'author': 'Kim Davies',
        'author_email': 'kim@cynosure.com.au',
        'license': 'BSD-like',
        'url': 'https://github.com/kjd/idna',
        'classifiers': [
            'Development Status :: 5 - Production/Stable',
            'Intended Audience :: Developers',
            'Intended Audience :: System Administrators',
            'License :: OSI Approved :: BSD License',
            'Operating System :: OS Independent',
            'Programming Language :: Python',
            'Programming Language :: Python :: 2.6',
            'Programming Language :: Python :: 2.7',
            'Programming Language :: Python :: 3',
            'Programming Language :: Python :: 3.3',
            'Programming Language :: Python :: 3.4',
            'Topic :: Internet :: Name Service (DNS)',
            'Topic :: Software Development :: Libraries :: Python Modules',
            'Topic :: Utilities',
        ],
    }"
setup(**arguments)

if __name__ == '__main__':
    main()

Found in path(s):
* /opt/cola/permits/1127084417_1611785502.92/0/kjd-idna-v2-0-0-gbb6e94c-1-tar-gz/kjd-idna-1cdd421/setup.py

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## -*-makefile-*-
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

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

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

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

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

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

## Shared object suffix
SO = so
## Non-shared intermediate object suffix
STATIC_O = ao

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

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

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

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@(SHELL) -ec "$(GEN_DEPS.cc) $< \n| sed \"s/\(\$\*)/o : /g\" > $@; \n[ -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

---

1.972 libkcrypto 1.16 2ubuntu0.2

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

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

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(lib/gss_mechs/mech_spnego/mach/gssapiP_spnego.h
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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
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lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
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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
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lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
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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

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kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
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1.977 contextlib2 0.6.0.post1
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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

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

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* */
/**
 * 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.
 */
/**
 * Set the {code 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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* /opt/cola/permits/1124846554_1611185754.91/0/netty-all-4.0.44-final-sources-1-
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  jar/io/netty/handler/codec/http/cors/CorsHandler.java
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*/
Handles or intercepts a `@link ChannelInboundInvoker` or `@link ChannelOutboundInvoker` operation, and forwards it to the next handler in a `@link ChannelPipeline`.

But the most useful for developers may be:

- `@link ChannelInboundHandlerAdapter` handles and intercepts inbound operations
- `@link ChannelOutboundHandlerAdapter` handles and intercepts outbound operations

You will also find more detailed explanation from the documentation of each sub-interface on how an event is interpreted when it goes upstream and downstream respectively.

The context object

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.

State management

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
}
```

A `@link DataServerHandler` extends `@link SimpleChannelInboundHandler`:

```
public class DataServerHandler extends @link SimpleChannelInboundHandler<Message> {
    private boolean loggedIn;

    // your methods here
}
```
**public void channelRead0([ChannelHandlerContext] ctx, Message message) {**

**    if (message instanceof LoginMessage) {**

**        authenticate((LoginMessage) message);**

**        loggedIn = true;/**

**    } else (message instanceof GetDataMessage) {**

**        if (loggedIn) {**

**            ch.write(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 [ChannelInitializer#initChannel(Channel)].

* public class DataServerInitializer extends [ChannelInitializer]{**

**    @Override**

**    public void initChannel([Channel] channel) {**

**        channel.pipeline().addLast("handler", new DataServerHandler());**

**    }**

**}**

* // Use [AttributeKey]s which is provided by
* [ChannelHandlerContext]:

* public interface Message {**

**    // your methods here**

**}**

* @Sharable
* public class DataServerHandler extends [SimpleChannelInboundHandler]<Message> {**

**    private final [AttributeKey]<Boolean> auth =
* { AttributeKey.valueOf(String) AttributeKey.valueOf("auth"); }
* { ChannelHandlerContext } ctx, Message message) {
* { Attribute }&lt;{ Boolean }&gt; attr = ctx.attr(auth); 
* { Channel } ch = ctx.channel(); 
* if (message instanceof LoginMessage) {
* authenticate((LoginMessage) o); 
* &lt;b&gt;attr.set(true)&lt;/b&gt;; 
* } else (message instanceof GetDataMessage) {
* if (&lt;b&gt;Boolean.TRUE.equals(attr.get())&lt;/b&gt;) {
* ch.write(fetchSecret((GetDataMessage) o));
* } else {
* fail();
* } 
* }
  ...
* }
* </pre>
* Now that the state of the handler is attached to the { ChannelHandlerContext }, you can add the
* same handler instance to different pipelines:
* <pre>
* public class DataServerInitializer extends { ChannelInitializer }&lt;{ Channel }&gt; {
* 
* private static final DataServerHandler &lt;b&gt;SHARED&lt;/b&gt; = new DataServerHandler();
* 
* { ChannelHandlerContext } channel) {
* channel.pipeline().addLast("handler", &lt;b&gt;SHARED&lt;/b&gt;);
* }
* </pre>
* 
* The { @Sharable } annotation
* In the example above which used an { AttributeKey },
* you might have noticed the { code @Sharable } annotation.
* If a { ChannelHandlerContext } 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 { 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.
* <p>
* This annotation is provided for documentation purpose, just like
* <p>
* <h3>Additional resources worth reading</h3>
* <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/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1-jar/io/netty/util/internal/LongCounter.java
* /opt/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1-jar/io/netty/channel/pool/package-info.java
* /opt/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1-jar/io/netty/handler/codec/ProtocolDetectionResult.java
* /opt/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1-jar/io/netty/channel/unix/Errors.java
* /opt/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1-jar/io/netty/channel/epoll/EpollChannelConfig.java
* /opt/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1-jar/io/netty/buffer/UnsafeByteBufUtil.java

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* /opt/ cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1-jar/io/netty/handler/ssl/OpenSslServerSessionStats.java
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* /opt/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1.jar/io/netty/channel/epoll/EpollServerSocketChannel.java
* /opt/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1.jar/io/netty/channel/epoll/EpollDatagramChannel.java
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* /opt/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1.jar/io/netty/example/spdy/client/HttpResponseClientHandler.java
* /opt/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1.jar/io/netty/util/ThreadDeathWatcher.java
* /opt/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1.jar/io/netty/handler/ssl/OpenSslNpnApplicationProtocolNegotiator.java

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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/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1.jar/io/netty/util/internal/logging/CommonsLogger.java
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 */

/**
 * Enumeration of supported Base64 dialects.
 * <p>
 * The internal lookup tables in this class has been derived from
 * <a href="http://iharder.sourceforge.net/current/java/base64/">Robert Harder's Public Domain
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 */

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* /opt/cola/permits/1124846554_1611185754.91/0/netty-all-4.0.44-final-sources-1-jar/io/netty/handler/codec/websocket/WebSocket07FrameDecoder.java
* /opt/cola/permits/1124846554_1611185754.91/0/netty-all-4.0.44-final-sources-1-jar/io/netty/handler/codec/websocket/WebSocket13FrameDecoder.java
* /opt/cola/permits/1124846554_1611185754.91/0/netty-all-4.0.44-final-sources-1-
jar/io/netty/handler/codec/http/websocket/WebSocket07FrameEncoder.java
* /opt/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1-
jar/io/netty/handler/codec/http/websocket/WebSocket08FrameDecoder.java
* /opt/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1-
jar/io/netty/handler/codec/http/websocket/WebSocket13FrameEncoder.java
* /opt/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1-
jar/io/netty/handler/codec/sctp/SctpMessageToMessageDecoder.java
* /opt/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1-
jar/io/netty/handler/codec/sctp/SctpInboundByteStreamHandler.java
* /opt/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1-
jar/io/netty/handler/traffic/GlobalTrafficShapingHandler.java
* /opt/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1-
jar/io/netty/handler/traffic/ChannelTrafficShapingHandler.java
* /opt/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1-
jar/io/netty/handler/traffic/package-info.java
* /opt/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1-
jar/io/netty/channel/udt/nio/NioUdtProvider.java
* /opt/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1-
jar/io/netty/handler/traffic/package-info.java
* /opt/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1-
jar/io/netty/channel/udt/nio/NioUdtMessageConnectorChannel.java
* /opt/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1-
jar/io/netty/channel/udt/nio/NioUdtMessageAcceptorChannel.java
* /opt/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1-
jar/io/netty/channel/udt/nio/NioUdtByteConnectorChannel.java
* /opt/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1-
jar/io/netty/channel/udt/nio/NioUdtByteAcceptorChannel.java

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jar/io/netty/handler/codec/sctp/SctpMessageToMessageDecoder.java
* /opt/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1-
jar/io/netty/handler/codec/sctp/SctpInboundByteStreamHandler.java
* /opt/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1-
jar/io/netty/handler/traffic/GlobalTrafficShapingHandler.java
* /opt/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1-
jar/io/netty/handler/traffic/ChannelTrafficShapingHandler.java
* /opt/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1-
jar/io/netty/handler/traffic/package-info.java
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jar/io/netty/handler/codec/sctp/package-info.java
* /opt/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1-
jar/io/netty/channel/udt/nio/NioUdtMessageConnectorChannel.java
* /opt/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1-
jar/io/netty/channel/udt/nio/NioUdtMessageAcceptorChannel.java
* /opt/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1-
jar/io/netty/channel/udt/nio/NioUdtByteConnectorChannel.java
* /opt/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1-
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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.
 * <p>
 * <h3>2 bytes length field at offset 0, do not strip header</h3>
 * <pre>
 * lengthFieldOffset = 0
 * lengthFieldLength = 2
 * lengthAdjustment = 0
 * initialBytesToStrip = 0 (= do not strip header)
 */

//opt/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1-jar/io/netty/channel/udt/nio/NioUdtMessageRendezvousChannel.java
//opt/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1-jar/io/netty/channel/udt/nio/NioUdtByteRendezvousChannel.java
//opt/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1-jar/io/netty/channel/udt/UdtChannel.java
//opt/cola/permits/1124846554_1611185754.91/0/netty-all-4-0-44-final-sources-1-jar/io/netty/channel/udt/UdtAcceptorChannel.java
*/
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>

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
initialBytesToStrip = 0
</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> for compensation.
<pre>
lengthFieldOffset   = 0
lengthFieldLength   = 2
<b>initialBytesToStrip</b> = <b>0</b>
</pre>
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.

```plaintext
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.

```plaintext
lengthFieldOffset = 0
lengthFieldLength = 3
lengthAdjustment = 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" |
+----------+----------+----------------+      +----------+----------+----------------+
```

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 lengthFieldOffset and the extra header affects the lengthAdjustment. 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/cola/permits/1124846554_1611185754.91/0/netty-all-4.0.44-final-sources-1.jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.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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1.989 snappy-java 1.0.4.1

1.990 shim 15+1552672080.a4a1fbe 0ubuntu2

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

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Version 3.1, 31 March 2009

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To: Stephen Frost <sfrost@debian.org>
X-Mailer: Lotus Notes Release 5.0.2a (Intl) 23 November 1999
Subject: Re: Juan C. Gomez license in OpenLDAP Source

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1.999 libnspr 2:4.18-1ubuntu1

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This package was debianized by Mike Hommey <glandium@debian.org> on Sun, 25 Mar 2007 12:17:27 +0200.

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* /opt/cola/permits/1110910352_1606872172.25/0/slf4j-api-1-6-4-sources-1-jar/org/slf4j/spi/StaticMDCBinder.java
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* /opt/cola/permits/1110910352_1606872172.25/0/slf4j-api-1-6-4-sources-1-jar/org/slf4j/spi/NOPMDCAdapter.java
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**1.1007 zipkin-ui 1.16.1-SNAPSHOT**

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in
"src/lib/gssapi", including the following files:

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

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

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1.1026 libclass-c3-xs-perl 0.13-2+b1

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1.1027 zlib 1.2.11-r3

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1.1029 liboping 1.10.0-r0

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1.1032 jcl-over-slf4j 1.7.12

1.1033 typedarray 0.0.6
1.1033.1 Available under license :
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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[])

1.1034 basesystem 11-5.el8
1.1034.1 Available under license:

No license file was found, but licenses were detected in source scan.

%global distroname %{source /etc/os-release; echo ${REDHAT_SUPPORT_PRODUCT})

Summary: The skeleton package which defines a simple %{distroname} system
Name: basesystem
Version: 11
Release: 5% {?dist)
License: Public Domain
Group: System Environment/Base
Requires(pre): setup filesystem
BuildArch: noarch

%description
Basesystem defines the components of a basic %{distroname} system
(for example, the package installation order to use during bootstrapping).
Basesystem should be in every installation of a system, and it
should never be removed.

%prep
%build
%install
%clean
%files
%defattr(-,root,root,-)

%changelog
* Tue May 07 2019 CentOS Sources <bugs@centos.org> - 11-5.el8.centos
  - adjust description
  - adjust summary

* Wed Feb 07 2018 Fedora Release Engineering <releng@fedoraproject.org> - 11-5
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_28_Mass_Rebuild

* Wed Jul 26 2017 Fedora Release Engineering <releng@fedoraproject.org> - 11-4
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_27_Mass_Rebuild

* Fri Feb 10 2017 Fedora Release Engineering <releng@fedoraproject.org> - 11-3
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_26_Mass_Rebuild

* Wed Feb 03 2016 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 11-2
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_24_Mass_Rebuild

* Thu Jul 09 2015 Ondrej Vasík <ovasik@redhat.com> 11-1
  - automatically determine OS name at build time (#1195396)

* Wed Jun 17 2015 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 10.0-11
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_23_Mass_Rebuild

* Sat Jun 07 2014 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 10.0-10
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_21_Mass_Rebuild

* Sat Aug 03 2013 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 10.0-9
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_20_Mass_Rebuild

* Wed Feb 13 2013 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 10.0-8
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_19_Mass_Rebuild

* Wed Jul 18 2012 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 10.0-7
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_18_Mass_Rebuild

* Thu Jan 12 2012 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 10.0-6
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_17_Mass_Rebuild
* Thu Jun 23 2011 Ondrej Vasik <ovasik@redhat.com> 10.0-5
  - fix FTBFS typo (#715640), add disttag

* Mon Feb 07 2011 Fedora Release Engineering <rel-eng@lists.fedoraproject.org>
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_15_Mass_Rebuild

* Fri Jul 24 2009 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 10.0-3
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_12_Mass_Rebuild

* Mon Feb 23 2009 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 10.0-2
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_11_Mass_Rebuild

* Mon Oct 20 2008 Phil Knirsch <pknirsch@redhat.com> 10.0-1
  - Bump version and rebuild for Fedora 10 (#451289)

* Fri Mar 02 2007 Phil Knirsch <pknirsch@redhat.com> - 8.1-1
  - Cleanup per package review (#225608)

* Wed Jul 12 2006 Jesse Keating <jkeating@redhat.com> - 8.0-5.1.1
  - rebuild

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

* Wed Sep 22 2004 Bill Nottingham <notting@redhat.com>
  - rebuilt

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

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

* Wed Aug 21 2002 Bill Nottingham <notting@redhat.com>
  - bump rev

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

* Thu May 23 2002 Tim Powers <timp@redhat.com>
  - automated rebuild

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

* Wed Jul 12 2000 Prospector <bugzilla@redhat.com>
  - automatic rebuild
* Tue Jun  6 2000 Bill Nottingham <notting@redhat.com>
  - rebuild. Wheee.

* Sun Mar 21 1999 Cristian Gafton <gafton@redhat.com>
  - auto rebuild in the new build environment (release 4)

* Tue Mar 16 1999 Cristian Gafton <gafton@redhat.com>
  - don't require rpm (breaks dependency chain)

* Tue Mar 16 1999 Erik Troan <ewt@redhat.com>
  - require rpm

* Wed Dec 30 1998 Cristian Gafton <gafton@redhat.com>
  - build for 6.0

* Tue Aug 11 1998 Jeff Johnson <jbj@redhat.com>
  - build root

* Mon Apr 27 1998 Prospector System <bugs@redhat.com>
  - translations modified for de, fr, tr

* Tue Sep 23 1997 Erik Troan <ewt@redhat.com>
  - made a noarch package

Found in path(s):
* /opt/cola/permits/1110779314_1606853351.15/0/basesystem-11-5.el8-1.src.rpm-cosi-expand-archive-
kvFRR2fn/basesystem.spec

1.1035 lodash 3.10.1

1.1035.1 Available under license:
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1.1036 openssl 1.0.1t-1+deb8u6
1.1036.1 Available under license:

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1.1040 apt 1.2.24

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# Contributions to the urllib3 project

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  * 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>
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  * 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@ravelosystems.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.skytta@iki.fi>
  * Logging efficiency improvements, spelling fixes, Travis config.

* Shige Takeda <smtakeda@gmail.com>
  * Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response

* Jesse Shapiro <jesse@jesseshapiro.net>
  * Various character-encoding fixes/tweaks
  * Disabling IPv6 DNS when IPv6 connections not supported

* David Foster <http://dafoster.net/>
  * Ensure order of request and response headers are preserved.

* Jeremy Cline <jeremy@jcline.org>
  * Added connection pool keys by scheme

* Aviv Palivoda <palaviv@gmail.com>
  * History list to Retry object.
  * HTTPResponse contains the last Retry object.

* Nate Prewitt <nate.prewitt@gmail.com>
  * Ensure timeouts are not booleans and greater than zero.
  * Fixed infinite loop in `stream` when amt=None.
  * Added length_remaining to determine remaining data to be read.
  * Added enforce_content_length to raise exception when incorrect content-length received.

* Seth Michael Larson <sethmichaellarson@protonmail.com>
  * Created selectors backport that supports PEP 475.
* Alexandre Dias <alex.dias@smarkets.com>
  * Don't retry on timeout if method not in whitelist

* Moinuddin Quadri <moin18@gmail.com>
  * Lazily load idna package

* Tom White <s6yg1ez3@mail2tor.com>
  * Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.

* Tim Burke <tim.burke@gmail.com>
  * Stop buffering entire deflate-encoded responses.

* Tuukka Mustonen <tuukka.mustonen@gmail.com>
  * Add counter for status_forcelist retries.

* Erik Rose <erik@mozilla.com>
  * Bugfix to pyopenssl vending

* [Your name or handle] <[email or website]>  
  * [Brief summary of your changes]

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 * Date: 5/15/2008
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 * @version 1.0.0
 * @author Ariel Flesler
 * @link {http://flesler.blogspot.com/2008/05/jsdump-pretty-dump-of-any-javascript.html}
 */
# URI.js

URI.js is an [RFC 3986](http://www.ietf.org/rfc/rfc3986.txt) compliant, scheme extendable URI parsing/validating/resolving library for all JavaScript environments (browsers, Node.js, etc).

It is also compliant with the IRI ([RFC 3987](http://www.ietf.org/rfc/rfc3987.txt)), IDNA ([RFC 5890](http://www.ietf.org/rfc/rfc5890.txt)), IPv6 Address ([RFC 5952](http://www.ietf.org/rfc/rfc5952.txt)), IPv6 Zone Identifier ([RFC 6874](http://www.ietf.org/rfc/rfc6874.txt)) specifications.

URI.js has an extensive test suite, and works in all (Node.js, web) environments. It weighs in at 6.2kb (gzipped, 16kb deflated).

## API

### Parsing

```javascript
URI.parse("uri://user:pass@example.com:123/one/two.three?q1=a1&q2=a2#body");
//returns:
//{
//  scheme : "uri",
//  userinfo : "user:pass",
//  host : "example.com",
//  port : 123,
//  path : "/one/two.three",
//  query : "q1=a1&q2=a2",
//  fragment : "body"
//}
```

### Serializing

```javascript
URI.serialize({scheme : "http", host : "example.com", fragment : "footer"}) === "http://example.com/#footer"
```

### Resolving

```javascript
URI.resolve("uri://a/b/c/d?q", "../../g") === "uri://a/g"
```

### Normalizing

```javascript
URI.normalize("HTTP://ABC.com:80/%7Esmith/home.html") === "http://abc.com/~smith/home.html"
```

### Comparison

```javascript
URI.equal("example://a/b/c/%7Bfoo%7D", "eXAMPLE://a/./b/../b/%63/%7bfoo%7d") === true
```
### IP Support

//IPv4 normalization
URI.normalize("//192.068.001.000") === "//192.68.1.0"

//IPv6 normalization
URI.normalize("//[2001:0:0DB8::0:0001]") === "//[2001:0:db8::1]"

//IPv6 zone identifier support
URI.parse("//[2001:db8::7%25en1]"uellement);
//returns:
//{
//  host : "2001:db8::7%en1"
//}

### IRI Support

//convert IRI to URI
URI.serialize(URI.parse("http://exampl.org/ros")) === "http://xn--exampl-gva.org/ros%C3%A9"

//convert URI to IRI
URI.serialize(URI.parse("http://xn--exampl-gva.org/ros%C3%A9"). {iri:true}) === "http://exampl.org/ros"

### Options

All of the above functions can accept an additional options argument that is an object that can contain one or more of the following properties:

*`scheme` (string)

Indicates the scheme that the URI should be treated as, overriding the URI's normal scheme parsing behavior.

*`reference` (string)

If set to "suffix", it indicates that the URI is in the suffix format, and the validator will use the option's `scheme` property to determine the URI's scheme.

*`tolerant` (boolean, false)

If set to `true`, the parser will relax URI resolving rules.

*`absolutePath` (boolean, false)

If set to `true`, the serializer will not resolve a relative `path` component.

*`iri` (boolean, false)

If set to `true`, the serializer will unescape non-ASCII characters as per [RFC 3987](http://www.ietf.org/rfc/rfc3987.txt).
*`unicodeSupport` (boolean, false)*

If set to `true`, the parser will unescape non-ASCII characters in the parsed output as per [RFC 3987](http://www.ietf.org/rfc/rfc3987.txt).

*`domainHost` (boolean, false)*

If set to `true`, the library will treat the `host` component as a domain name, and convert IDNs (International Domain Names) as per [RFC 5891](http://www.ietf.org/rfc/rfc5891.txt).

## Scheme Extendable

URI.js supports inserting custom [scheme](http://en.wikipedia.org/wiki/URI_scheme) dependent processing rules. Currently, URI.js has built in support for the following schemes:

*http [[RFC 2616](http://www.ietf.org/rfc/rfc2616.txt)]
*https [[RFC 2818](http://www.ietf.org/rfc/rfc2818.txt)]
*mailto [[RFC 6068](http://www.ietf.org/rfc/rfc6068.txt)]
*urn [[RFC 2141](http://www.ietf.org/rfc/rfc2141.txt)]
*urn:uuid [[RFC 4122](http://www.ietf.org/rfc/rfc4122.txt)]

### HTTP Support

`URI.equal("HTTP://ABC.COM:80", "http://abc.com") === true`

### Mailto Support

URI.parse("mailto:alpha@example.com,bravo@example.com?subject=SUBSCRIBE&body=Sign%20me%20up!");
//returns:
//{
//  scheme : "mailto",
//  to : ["alpha@example.com", "bravo@example.com"],
//  subject : "SUBSCRIBE",
//  body : "Sign me up!"
//}

URI.serialize(
  scheme : "mailto",
  to : ["alpha@example.com"],
  subject : "REMOVE",
  body : "Please remove me",
  headers : {
    cc : "charlie@example.com"
  }) ===
  "mailto:alpha@example.com?cc=charlie@example.com&subject=REMOVE&body=Please%20remove%20me"
### URN Support

```javascript
URI.parse("urn:example:foo");
//returns:
//{
//    scheme : "urn",
//    nid : "example",
//    nss : "foo",
//}
```

#### URN UUID Support

```javascript
URI.parse("urn:uuid:f81d4fae-7dec-11d0-a765-00a0c91e6bf6");
//returns:
//{
//    scheme : "urn",
//    nid : "example",
//    uuid : "f81d4fae-7dec-11d0-a765-00a0c91e6bf6",
//}
```

## Usage

To load in a browser, use the following tag:

```html
<script type="text/javascript" src="uri-js/dist/es5/uri.all.min.js"></script>
```

To load in a CommonJS (Node.js) environment, first install with npm by running on the command line:

```
npm install uri-js
```

Then, in your code, load it using:

```javascript
const URI = require("uri-js");
```

If you are writing your code in ES6+ (ESNEXT) or TypeScript, you would load it using:

```javascript
import * as URI from "uri-js";
```

Or you can load just what you need using named exports:

```javascript
import { parse, serialize, resolve, resolveComponents, normalize, equal, removeDotSegments, pctEncChar, pctDecChars, escapeComponent, unescapeComponent } from "uri-js";
```

## Breaking changes

### Breaking changes from 3.x

URN parsing has been completely changed to better align with the specification. Scheme is now always `urn`, but
has two new properties: `nid` which contains the Namespace Identifier, and `nss` which contains the Namespace Specific String. The `nss` property will be removed by higher order scheme handlers, such as the UUID URN scheme handler.

The UUID of a URN can now be found in the `uuid` property.

### Breaking changes from 2.x

URI validation has been removed as it was slow, exposed a vulnerability, and was generally not useful.

### Breaking changes from 1.x

The `errors` array on parsed components is now an `error` string.

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*/,

Found in path(s):
* /opt/cola/permits/1110634955_1606918997.92/0/garycourt-uri-js-4-2-2-0-g4f6f600-1-tar-gz/garycourt-uri-js-4f6f600/dist/es5/uri.all.js
No license file was found, but licenses were detected in source scan.

/** @license URI.js v4.2.1 (c) 2011 Gary Court. License: http://github.com/garycourt/uri-js */

Found in path(s):
* /opt/cola/permits/1110634955_1606918997.92/0/garycourt-uri-js-4-2-2-0-g4f6f600-1-tar-gz/garycourt-uri-js-4f6f600/dist/es5/uri.all.min.js
No license file was found, but licenses were detected in source scan.

{"version":3,"sources":[],"_len":2,"_key":0,"arguments":{},"length":0,"slice":0,"x":0,"joi
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function ucs2decode(string) {
    const output = [];
    let counter = 0;
    const length = string.length;
    while (counter < length) {
        const value = string.charCodeAt(counter++);
        if (value >= 0xD800 && value <= 0xDBFF && counter < length) {
            const extra = string.charCodeAt(counter++);
            if ((extra & 0xFC00) == 0xDC00) { // Low surrogate
                output.push(((value & 0x3FF) << 10) + (extra & 0x3FF) + 0x10000);
            } else { // It's an unmatched surrogate; only append this code unit, in case the next code unit is the high surrogate of a surrogate pair.
                output.push(value);
                counter--;
            }
        } else { // It's a high surrogate, and there is a next character.
            output.push(((value & 0x3FF) << 10) + (extra & 0x3FF) + 0x10000);
        }
    }
    return output;
}

const ucs2encode = array => String.fromCodePoint(...array);

const basicToDigit = function(codePoint) {
    if (codePoint - 0x30 < 0x0A) {
        return codePoint - 0x16;
    }
    if (codePoint - 0x41 < 0x1A) {
        return codePoint - 0x41;
    }
    if (codePoint - 0x61 < 0x1A) {
        return codePoint - 0x61;
    }
    return base;
};

const digitToBasic = function(digit, flag) {
    // 0..25 map to ASCII a..z or A..Z
    // 26..35 map to ASCII 0..9
    return digit + 22 + 75 * (digit < 26) - ((flag != 0) << 5);
};

const adapt = function(delta, numPoints, firstTime) {
    let k = 0;
    delta = firstTime ? floor(delta / damp) : delta >> 1;
    delta += floor(delta / numPoints);
    for (/* no initialization */; delta > baseMinusTMin * tMax >> 1; k += base) {
        delta = floor(delta / baseMinusTMin);
        const baseMinusT = base - tMin;
        if (delta > floor(maxInt / baseMinusT)) {
            error('overflow');
        }
        delta *= baseMinusT;
    }
    const out = output.length + 1;
    bias = adapt(i - oldi, out, oldi == 0);
    i = oldi;
    oldi = out;
    return floor(k + (baseMinusTMin + 1) * delta / (delta + skew));
}

const decode = function(input) {
    // Don't use UCS-2.
    const output = [];
    const inputLength = input.length;
    let i = 0;
    let n = initialN;
    const basic = input.lastIndexOf(delimiter);
    if (basic < 0) {
        basic = 0;
    }
    for (let j = 0; j < basic; ++j) {
        if (input.charCodeAt(j) >= 0x80) {
            error('not-basic');
        }
        output.push(input.charCodeAt(j));
    }
    for (let index = basic > 0 ? basic + 1 : 0; /* no final expression */; index++) {
        const digit = basicToDigit(inputCharCodeAt(j) >= 0x80 ? inputCharCodeAt(j) : (j == 0 ? inputCharCodeAt(j) : digitToBasic(inputCharCodeAt(j), true)));
        output.push(digitToBasic(digit, true));
        i += digit * w;
        const t = n << bias;
        const tMax = tMax >> bias;
        if (t > tMax) {
            error('invalid-input');
        }
        const k = floor((i - t) / w);
        if (k >= bias) {
            error('overflow');
        }
        output.push(digitToBasic(k - bias));
        i += (digit < t) ? digit : digitToBasic(digit - t, true);
    }
    output.push(digitToBasic(i - oldi, true));
    i = oldi;
    return output;
incrementing 'n' each time, so we'll fix that now:

```javascript
if (floor(i / out) > maxInt - n)
{
    error('overflow');
}
```

```javascript
n += floor(i / out);
i %= out;
```

```javascript
// Insert 'n' at position 'i' of the output.
output.splice(i++, 0, n);
```

```javascript
return String.fromCharCode(...output);
```

```javascript
/**
 * Converts a string of Unicode symbols (e.g. a domain name label) to an * Punycode string of ASCII-only symbols.
 * @memberOf punycode
 * @param {String} input The string of Unicode symbols.
 * @returns {String} The resulting Punycode string of ASCII-only symbols.
 */
const encode = function(input) {
    const output = [];

    // Convert the input in UCS-2 to an array of Unicode code points.
    input = ucs2decode(input);

    // Cache the length.
    let inputLength = input.length;

    // Initialize the state.
    let n = initialN;
    let delta = 0;
    let bias = initialBias;

    // Handle the basic code points.
    for (const currentValue of input) {
        if (currentValue < 0x80)
        {
            output.push(stringFromCharCode(currentValue));
        }
    }

    let basicLength = output.length;
    let handledCPCount = basicLength;

    // `handledCPCount` is the number of code points that have been handled;
    // `basicLength` is the number of basic code points.
    // Finish the basic string with a delimiter unless it's empty.
    output.push(delimiter);

    // Main encoding loop:
    while (handledCPCount < inputLength) {
        // All non-basic code points < n have been handled already. Find the next
        // larger one:
        let m = maxInt;
        for (const currentValue of input) {
            if (currentValue >= n && currentValue < m)
            {
                m = currentValue;
            }
        }

        // Increase `delta` enough to advance the decoder's <n,i> state to
        // but guard against overflow.
        handledCPCountPlusOne = handledCPCount + 1;
        if (m - n > floor((maxInt - delta) / handledCPCountPlusOne)) {
            error('overflow');
        }

        delta += (m - n) * handledCPCountPlusOne;
        n = m;

        for (const currentValue of input) {
            if (currentValue < n && ++delta > maxInt) {
                error('overflow');
            }
            if (currentValue == n) {
                // Represent delta as a generalized variable-length integer.
                let q = delta;
                for (let k = base; /* no condition */; k += base)
                {
                    const t = k <= bias ? tMin : (k >= bias + tMax ? tMax : k - bias);
                    if (q < t)
                    {
                        break;
                    }
                    const qMinusT = q - t;
                    const baseMinusT = base - t;
                    output.push(stringFromCharCode(digitToBasic(t + qMinusT % baseMinusT, 0)));
                    q = floor(qMinusT / baseMinusT);
                }

                output.push(stringFromCharCode(digitToBasic(q, 0)));
                bias = adapt(delta, handledCPCountPlusOne, handledCPCount == basicLength);
                inputLength = 0;
                ++n;
            }
        }
    }

    return output.join('');
};
```

```javascript
/**
 * URI.js
 *
 * @fileoverview An RFC 3986 compliant, scheme extendable URI parsing/validating/resolving library for JavaScript.
 * @author <a
```
import URI_PROTOCOL from "./regexps-uri";
import IRI_PROTOCOL from "./regexps-iri";
import punycode from "punycode";
import { toUpperCase, typeOf, assign } from "./util";

export interface URIComponents
{
scheme?:string;
userinfo?:string;
host?:string;
port?:number|string;
path?:string;
query?:string;
fragment?:string;
reference?:string;
error?:string;
}

export interface URIOptions
{
scheme?:string;
reference?:string;
tolerant?:boolean;
absolutePath?:boolean;
iri?:boolean;
unicodeSupport?:boolean;
domainHost?:boolean;
}

export interface URISchemeHandler<Components extends URIComponents = URIComponents, Options extends URIOptions = URIOptions, ParentComponents extends URIComponents = URIComponents> {
scheme:string;
parse(components:ParentComponents, options:Options):Components;
serialize(components:Components, options:Options):ParentComponents;
unicodeSupport?:boolean;
domainHost?:boolean;
absolutePath?:boolean;
}

export interface URIRegExps {
NOT_SCHEME : RegExp,
NOT_USERINFO : RegExp,
NOT_HOST : RegExp,
NOT_PATH : RegExp,
NOT_PATH_NOSCHEME : RegExp,
NOT_QUERY : RegExp,
NOT_FRAGMEN : RegExp,
ESCAPE : RegExp,
UNRESERVED : RegExp,
OTHER_CHARS : RegExp,
PCT_ENCODED : RegExp,
IPV4ADDRESS : RegExp,
IPV6ADDRESS : RegExp,
}

export const SCHEMES:{[scheme:string]:URISchemeHandler} = {};

export function pctEncChar(chr:string):string {
const c = chr.charCodeAt(0);
let e:string;

if (c < 16) e = "%0" + c.toString(16).toUpperCase();
else if (c < 128) e = "%" + c.toString(16).toUpperCase();
else if (c < 2048) e = "%" + ((c >> 6) | 192).toString(16).toUpperCase() + "%" + ((c & 63) | 128).toString(16).toUpperCase();

return e;
}

export function pctDecChars(str:string):string {
let newStr = "";
let i = 0;
const il = str.length;

while (i < il) {
const c = parseInt(str.substr(i + 1, 2), 16);

if (c < 128) {newStr += String.fromCharCode(c);
i += 3;
}
else if (c >= 194 && c < 224) {newStr += String.fromCharCode(((c & 31) << 6) | (c2 & 63));
i += 6;
}
else if (c >= 224) {newStr += String.fromCharCode(((c & 15) << 12) | ((c2 & 63) << 6) | (c3 & 63));
i += 9;
}
else {newStr += str.substr(i, 3);
i += 3;
}

return newStr;
}

function _normalizeComponentEncoding(components:URIComponents, protocol:URIRegExps) {


pctDecChars(str):
\n\treturn (!decStr.match(protocol.UNRESERVED) ? str : decStr);
\n\tif (components.scheme) components.scheme = String(components.scheme).replace(protocol.PCT_ENCODED, decodeUnreserved).toLowerCase();
\n\tif (components.userinfo !== undefined) components.userinfo = String(components.userinfo).replace(protocol.PCT_ENCODED, decodeUnreserved).toLowerCase();
\n\tif (components.host !== undefined) components.host = String(components.host).replace(protocol.PCT_ENCODED, decodeUnreserved).toLowerCase();
\n\tif (components.port !== undefined) components.port = String(components.port).replace(protocol.PCT_ENCODED, decodeUnreserved).toLowerCase();
\n\tif (components.path !== undefined) components.path = String(components.path).replace(protocol.PCT_ENCODED, decodeUnreserved);
\n\tif (components.query !== undefined) components.query = String(components.query).replace(protocol.PCT_ENCODED, decodeUnreserved);
\n\tif (components.fragment !== undefined) components.fragment = String(components.fragment).replace(protocol.PCT_ENCODED, decodeUnreserved);
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```javascript
{ components.port = matches[5]; }

else {  //IE FIX for improper RegExp matching

																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

```
```
IRI_PROTOCOL : URI_PROTOCOL);\n\tconst uriTokens:Array<string> = [];\n\n\t//find scheme handler\n\tconst
schemeHandler = SCHEMES[(options.scheme || components.scheme || \"\").toLowerCase()];\n\n\t//perform scheme
specific serialization\n\tif (schemeHandler && schemeHandler.serialize) schemeHandler.serialize(components,
options);\n\n\tif (components.host) {\n\t\t//if host component is an IPv6 address\n\t\tif
(protocol.IPV6ADDRESS.test(components.host)) {\n\t\t\t//TODO: normalize IPv6 address as per RFC
5952\n\t\t}\n\n\t\t//if host component is a domain name\n\t\telse if (options.domainHost || (schemeHandler &&
schemeHandler.domainHost)) {\n\t\t\t//convert IDN via punycode\n\t\t\ttry {\n\t\t\t\tcomponents.host = (!options.iri
? punycode.toASCII(components.host.replace(protocol.PCT_ENCODED, pctDecChars).toLowerCase()) :
punycode.toUnicode(components.host));\n\t\t\t} catch (e) {\n\t\t\t\tcomponents.error = components.error || \"Host's
domain name can not be converted to \" + (!options.iri ? \"ASCII\" : \"Unicode\") + \" via punycode: \" +
e;\n\t\t\t}\n\t\t}\n\t}\n\n\t//normalize encoding\n\t_normalizeComponentEncoding(components, protocol);\n\n\tif
(options.reference !== \"suffix\" && components.scheme)
{\n\t\turiTokens.push(components.scheme);\n\t\turiTokens.push(\":\");\n\t}\n\n\tconst authority =
_recomposeAuthority(components, options);\n\tif (authority !== undefined) {\n\t\tif (options.reference !==
\"suffix\") {\n\t\t\turiTokens.push(\"//\");\n\t\t}\n\n\t\turiTokens.push(authority);\n\n\t\tif (components.path &&
components.path.charAt(0) !== \"/\") {\n\t\t\turiTokens.push(\"/\");\n\t\t}\n\t}\n\n\tif (components.path !==
undefined) {\n\t\tlet s = components.path;\n\n\t\tif (!options.absolutePath && (!schemeHandler ||
!schemeHandler.absolutePath)) {\n\t\t\ts = removeDotSegments(s);\n\t\t}\n\n\t\tif (authority === undefined)
{\n\t\t\ts = s.replace(/^\\/\\//, \"/%2F\"); //don't allow the path to start with
\"//\"\n\t\t}\n\n\t\turiTokens.push(s);\n\t}\n\n\tif (components.query !== undefined)
{\n\t\turiTokens.push(\"?\");\n\t\turiTokens.push(components.query);\n\t}\n\n\tif (components.fragment !==
undefined) {\n\t\turiTokens.push(\"#\");\n\t\turiTokens.push(components.fragment);\n\t}\n\n\treturn
uriTokens.join(\"\"); //merge tokens into a string\n};\n\nexport function resolveComponents(base:URIComponents,
relative:URIComponents, options:URIOptions = {}, skipNormalization?:boolean):URIComponents {\n\tconst
target:URIComponents = {};\n\n\tif (!skipNormalization) {\n\t\tbase = parse(serialize(base, options), options);
//normalize base components\n\t\trelative = parse(serialize(relative, options), options); //normalize relative
components\n\t}\n\toptions = options || {};\n\n\tif (!options.tolerant && relative.scheme) {\n\t\ttarget.scheme =
relative.scheme;\n\t\t//target.authority = relative.authority;\n\t\ttarget.userinfo = relative.userinfo;\n\t\ttarget.host =
relative.host;\n\t\ttarget.port = relative.port;\n\t\ttarget.path = removeDotSegments(relative.path ||
\"\");\n\t\ttarget.query = relative.query;\n\t} else {\n\t\tif (relative.userinfo !== undefined || relative.host !==
undefined || relative.port !== undefined) {\n\t\t\t//target.authority = relative.authority;\n\t\t\ttarget.userinfo =
relative.userinfo;\n\t\t\ttarget.host = relative.host;\n\t\t\ttarget.port = relative.port;\n\t\t\ttarget.path =
removeDotSegments(relative.path || \"\");\n\t\t\ttarget.query = relative.query;\n\t\t} else {\n\t\t\tif (!relative.path)
{\n\t\t\t\ttarget.path = base.path;\n\t\t\t\tif (relative.query !== undefined) {\n\t\t\t\t\ttarget.query =
relative.query;\n\t\t\t\t} else {\n\t\t\t\t\ttarget.query = base.query;\n\t\t\t\t}\n\t\t\t} else {\n\t\t\t\tif
(relative.path.charAt(0) === \"/\") {\n\t\t\t\t\ttarget.path = removeDotSegments(relative.path);\n\t\t\t\t} else
{\n\t\t\t\t\tif ((base.userinfo !== undefined || base.host !== undefined || base.port !== undefined) && !base.path)
{\n\t\t\t\t\t\ttarget.path = \"/\" + relative.path;\n\t\t\t\t\t} else if (!base.path) {\n\t\t\t\t\t\ttarget.path =
relative.path;\n\t\t\t\t\t} else {\n\t\t\t\t\t\ttarget.path = base.path.slice(0, base.path.lastIndexOf(\"/\") + 1) +
relative.path;\n\t\t\t\t\t}\n\t\t\t\t\ttarget.path = removeDotSegments(target.path);\n\t\t\t\t}\n\t\t\t\ttarget.query =
relative.query;\n\t\t\t}\n\t\t\t//target.authority = base.authority;\n\t\t\ttarget.userinfo = base.userinfo;\n\t\t\ttarget.host
= base.host;\n\t\t\ttarget.port = base.port;\n\t\t}\n\t\ttarget.scheme = base.scheme;\n\t}\n\n\ttarget.fragment =
relative.fragment;\n\n\treturn target;\n};\n\nexport function resolve(baseURI:string, relativeURI:string,
options?:URIOptions):string {\n\tconst schemelessOptions = assign({ scheme : 'null' }, options);\n\treturn
serialize(resolveComponents(parse(baseURI, schemelessOptions), parse(relativeURI, schemelessOptions),
schemelessOptions, true), schemelessOptions);\n};\n\nexport function normalize(uri:string,
options?:URIOptions):string;\nexport function normalize(uri:URIComponents,
options?:URIOptions):URIComponents;\nexport function normalize(uri:any, options?:URIOptions):any {\n\tif

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export function equal(uriA: string, uriB: string, options?: URIOptions): boolean {
  if (typeof uriA === "string") {
    uriA = serialize(parse(uriA, options), options);
  } else if (typeOf(uriA) === "object") {
    uriA = serialize(<URIComponents>uriA, options);
  }

  if (typeof uriB === "string") {
    uriB = serialize(parse(uriB, options), options);
  } else if (typeOf(uriB) === "object") {
    uriB = serialize(<URIComponents>uriB, options);
  }

  return uriA === uriB;
}

export function escapeComponent(str: string, options?: URIOptions): string {
  return str && str.toString().replace((!options || !options.iri ? URI_PROTOCOL.ESCAPE : IRI_PROTOCOL.ESCAPE), pctEncChar);
}

export function unescapeComponent(str: string, options?: URIOptions): string {
  return str && str.toString().replace((!options || !options.iri ? URI_PROTOCOL.PCT_ENCODED : IRI_PROTOCOL.PCT_ENCODED), pctDecChars);
}
```
NOT_LOCAL_PART = new RegExp(merge("[^\"]", ATEXT$$, "[^\"]", VCHAR$$), "g");

const NOT_DOMAIN = new RegExp(merge("[^\"]", ATEXT$$, "[^\"]", DTEXT_NO_OBS$$, "[^\"]"), "g");

NOT_HFNAME = new RegExp(merge("[^\"]", UNRESERVED$$, SOME_DELIMS$$), "g");

NOT_HFVALUE = NOT_HFNAME;

TO = new RegExp("^" + TO$ + "$");

HFIELDS = new RegExp("^" + HFIELDS2$ + "$");

function decodeUnreserved(str:string):string {
    const decStr = pctDecChars(str);
    return (!decStr.match(UNRESERVED) ? str : decStr);
}

handler:URISchemeHandler<MailtoComponents> = {
    scheme : "mailto",
    parse : function (components:URIComponents, options:URIOptions):MailtoComponents {
        const mailtoComponents = components as MailtoComponents;
        const to = mailtoComponents.to = (mailtoComponents.path ? toAddrs : []);
        mailtoComponents.path = undefined;
        if (mailtoComponents.query) {
            let unknownHeaders = false
            const headers:MailtoHeaders = {};
            const hfields = mailtoComponents.query.split("&");

            for (let x = 0, xl = hfields.length; x < xl; ++x) {
                const hfield = hfields[x].split("=");
                switch (hfield[0]) {
                    case "to":
                        const toAddrs = hfield[1].split(",");
                        for (let x = 0, xl = toAddrs.length; x < xl; ++x) {
                            to.push(toAddrs[x]);
                        }
                        break;
                    case "subject":
                        mailtoComponents.subject = unescapeComponent(hfield[1], options);
                        break;
                    case "body":
                        mailtoComponents.body = unescapeComponent(hfield[1], options);
                        break;
                    case "subject":
                        mailtoComponents.error = mailtoComponents.error || "Email address's domain name can not be converted to ASCII via punycode: " + (!options.unicodeSupport ? "ASCII" : "Unicode") + " via punycode: " + e;
                        break;
                }
            }
        }
        return mailtoComponents;
    },
    serialize : function (mailtoComponents:MailtoComponents, options:URIOptions):URIComponents {
        const components = mailtoComponents as URIComponents;
        const to = toArray(mailtoComponents.to);
        if (to) {
            for (let x = 0, xl = to.length; x < xl; ++x) {
                const toAddr = String(to[x]);
                const atIdx = toAddr.lastIndexOf("@");
                const localPart = (toAddr.slice(atIdx + 1)).replace(PCT_ENCODED, decodeUnreserved).replace(PCT_ENCODED, toUpperCase).replace(NOT_LOCAL_PART, pctEncChar);

                mailtoComponents.headers = mailtoComponents.headers || {};
                mailtoComponents.headers["subject"] = mailtoComponents.headers["subject"] || "";
                mailtoComponents.headers["body"] = mailtoComponents.headers["body"] || "";
            }
        }
        return components;
    }
}
```

handler:URISchemeHandler = {
  scheme : "http",
  domainHost : true,
  parse : function
  (components:URIComponents, options:URIOptions):URIComponents
  {\n    if (components.host) {\n      components.error = components.error || "HTTP URIs must have a host.";
    }\n    return components;\n  },

  serialize : function (components:URIComponents, options:URIOptions):URIComponents
  {\n    if (components.port) {\n      components.port = undefined;
    }\n    return components;
  },

  normalize : function (components:URIComponents):URIComponents
  {\n    return components;
  },

  defaultPort : function (components:URIComponents):void
  {\n    return;
  },

  toLowerCase : function (components:URIComponents):URIComponents
  {\n    return components;
  }
};

export default handler;

import { URISchemeHandler, URIComponents, URIOptions } from "../uri";
import http from "./http";

const handler:URISchemeHandler = {
  scheme : "https",
  domainHost : http.domainHost,
  parse : http.parse,
  serialize : http.serialize
};

export default handler;

import { URISchemeHandler, URIComponents, URIOptions } from "../uri";
import { pctEncChar, SCHEMES } from "../uri";

export interface URNComponents extends URIComponents
{\n  nid?:string;
  nss?:string;
}

export interface URNOptions extends URIOptions
{\n  nid?:string;
}

const NID$ = \[0-9A-Za-z\[0-9A-Za-z\\-]{1,31}\]\$;\nconst PCT_ENCODED$ = \[0-9A-Za-f\-]{2}\$;\nconst TRAN$$ = \[0-9A-Za-z\\(\\)\\+\\,\\-\\.\\:\\=\\@\\;\\$\\_\\!\\*\\'\\/\\?\\#\];\nconst NSS$$ = \[0-9A-Za-z\\(\\)\\+\\,\\-\\.\\:\\=\\@\\;\\$\\_\\!\\*\\'\\/\\?\\#\];\nconst URN_SCHEME = new RegExp("^urn\\:(\[0-9A-Za-z\\-]{1,31}\]\$)\$;\nconst URN_PATH = new RegExp("^[0-9A-Za-z\\-]{1,31}\$)\$;\nconst URN_EXCLUDED = /\[\x00-\x20\\\"\&\<\>\[\]\^\`\{\|\}\~\x7F-\xFF\]/g;\nconst RFC_2141 = new RegExp("urn\\:(urn\:uuid\:([0-9A-Za-f\-]{36})\$)\$;\n
//RFC 4122
const handler:URISchemeHandler<URNComponents,URNOptions> = {
  scheme : "urn:uuid",
  parse : function
  (urnComponents:URNComponents, options:URNOptions):URNComponents
  {\n    const uuidComponents = urnComponents as UUIDComponents;
    uuidComponents.uuid = uuidComponents.nss;
    uuidComponents.nss = undefined;
    if (!options.tolerant && (!uuidComponents.uuid || !uuidComponents.uuid.match(UUID))) {\n      urnComponents.error = urnComponents.error || "URN can not be parsed.";
    }\n    return urnComponents;
  },

  serialize : function (urnComponents:URNComponents, options:URNOptions):URNComponents
  {\n    const uuidComponents = urnComponents as UUIDComponents;
    if (options.tolerant) {\n      return urnComponents;
    }\n    const uuid = uuidComponents.nss;
    if (options.tolerant && uuid) {\n      if (options.tolerantNews) {\n        return urnComponents;
      }\n      if (options.tolerantPath) {\n        return urnComponents;
      }\n      if (options.tolerantNid) {\n        return urnComponents;
      }\n      if (options.tolerantScheme) {\n        return urnComponents;
      }\n      urnComponents.error = urnComponents.error || "URN can not be parsed.";
      return urnComponents;
    }\n    return urnComponents;
  },

  normalize : function (urnComponents:URNComponents):URNComponents
  {\n    return urnComponents;
  },

  defaultPort : function (urnComponents:URNComponents):void
  {\n    return;
  },

  toLowerCase : function (urnComponents:URNComponents):URNComponents
  {\n    return urnComponents;
  }
};

export default handler;
URNComponents;\n\t\t//normalize UUID\n\t\turnComponents.nss = (uuidComponents.uuid ||
\"\").toLowerCase();\n\t\treturn urnComponents;\n\t},\n};\n\nexport default handler;","import { SCHEMES } from
\"./uri\";\n\nimport http from \"./schemes/http\";\nSCHEMES[http.scheme] = http;\n\nimport https from
\"./schemes/https\";\nSCHEMES[https.scheme] = https;\n\nimport mailto from
\"./schemes/mailto\";\nSCHEMES[mailto.scheme] = mailto;\n\nimport urn from
\"./schemes/urn\";\nSCHEMES[urn.scheme] = urn;\n\nimport uuid from \"./schemes/urnuuid\";\nSCHEMES[uuid.scheme] = uuid;\n\nexport * from \"./uri\";\n"]}
Found in path(s):
* /opt/cola/permits/1110634955_1606918997.92/0/garycourt-uri-js-4-2-2-0-g4f6f600-1-tar-gz/garycourt-uri-js4f6f600/dist/es5/uri.all.min.js.map
No license file was found, but licenses were detected in source scan.
./src/uri.ts","../../node_modules/punycode/punycode.es6.js","../../src/regexps-iri.ts","../../src/regexpsuri.ts","../../src/util.ts"],"sourcesContent":["import { SCHEMES } from \"./uri\";\n\nimport http from
\"./schemes/http\";\nSCHEMES[http.scheme] = http;\n\nimport https from
\"./schemes/https\";\nSCHEMES[https.scheme] = https;\n\nimport mailto from
\"./schemes/mailto\";\nSCHEMES[mailto.scheme] = mailto;\n\nimport urn from
\"./schemes/urn\";\nSCHEMES[urn.scheme] = urn;\n\nimport uuid from \"./schemes/urnuuid\";\nSCHEMES[uuid.scheme] = uuid;\n\nexport * from \"./uri\";\n","import { URISchemeHandler,
URIComponents, URIOptions } from \"../uri\";\nimport { URNComponents } from \"./urn\";\nimport { SCHEMES
} from \"../uri\";\n\nexport interface UUIDComponents extends URNComponents {\n\tuuid?: string;\n}\n\nconst
UUID = /^[0-9A-Fa-f]{8}(?:\\-[0-9A-Fa-f]{4}){3}\\-[0-9A-Fa-f]{12}$/;\nconst UUID_PARSE = /^[0-9A-Fa-f\\]{36}/;\n\n//RFC 4122\nconst handler:URISchemeHandler<UUIDComponents, URIOptions, URNComponents> =
{\n\tscheme : \"urn:uuid\",\n\n\tparse : function (urnComponents:URNComponents,
options:URIOptions):UUIDComponents {\n\t\tconst uuidComponents = urnComponents as
UUIDComponents;\n\t\tuuidComponents.uuid = uuidComponents.nss;\n\t\tuuidComponents.nss =
undefined;\n\n\t\tif (!options.tolerant && (!uuidComponents.uuid || !uuidComponents.uuid.match(UUID)))
{\n\t\t\tuuidComponents.error = uuidComponents.error || \"UUID is not valid.\";\n\t\t}\n\n\t\treturn
uuidComponents;\n\t},\n\n\tserialize : function (uuidComponents:UUIDComponents,
options:URIOptions):URNComponents {\n\t\tconst urnComponents = uuidComponents as
URNComponents;\n\t\t//normalize UUID\n\t\turnComponents.nss = (uuidComponents.uuid ||
\"\").toLowerCase();\n\t\treturn urnComponents;\n\t},\n};\n\nexport default handler;","import { URISchemeHandler,
URIComponents, URIOptions } from \"../uri\";\nimport { pctEncChar, SCHEMES } from \"../uri\";\n\nexport
interface URNComponents extends URIComponents {\n\tnid?:string;\n\tnss?:string;\n}\n\nexport interface
URNOptions extends URIOptions {\n\tnid?:string;\n}\n\nconst NID$ = \"(?:[0-9A-Za-z][0-9A-Za-z\\\\]{1,31})\";\nconst PCT_ENCODED$ = \"(?:\\\\%[0-9A-Fa-f]{2})\";\nconst TRANS$$ = \"[0-9A-Zaz\\\\(\\\\)\\\\+\\\\,\\\\-\\\\.\\\\:\\\\=\\\\@\\\\;\\\\$\\\\_\\\\!\\\\*\\\\'\\\\/\\\\?\\\\#]\";\nconst NSS$ = \"(?:(?:\" +
PCT_ENCODED$ + \"|\" + TRANS$$ + \")+)\";\nconst URN_SCHEME = new RegExp(\"^urn\\\\:(\" + NID$ +
\")$\");\nconst URN_PATH = new RegExp(\"^(\" + NID$ + \")\\\\:(\" + NSS$ + \")$\");\nconst URN_PARSE =
/^([^\\:]+)\\:(.*)/;\nconst URN_EXCLUDED = /[\\x00-\\x20\\\\\\\"\\&\\<\\>\\[\\]\\^\\`\\{\\|\\}\\~\\x7F\\xFF]/g;\n\n//RFC 2141\nconst handler:URISchemeHandler<URNComponents,URNOptions> = {\n\tscheme :
\"urn\",\n\n\tparse : function (components:URIComponents, options:URNOptions):URNComponents {\n\t\tconst
matches = components.path && components.path.match(URN_PARSE);\n\t\tlet urnComponents = components as
URNComponents;\n\n\t\tif (matches) {\n\t\t\tconst scheme = options.scheme || urnComponents.scheme ||
\"urn\";\n\t\t\tconst nid = matches[1].toLowerCase();\n\t\t\tconst nss = matches[2];\n\t\t\tconst urnScheme =

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`${scheme}:${options.nid || nid}`;
		schemeHandler = SCHEMES[urnScheme];

		turnComponents.nid = nid;
		urnComponents.nss = nss;

		urnComponents.path = undefined;

			if (schemeHandler) {
				urnComponents = schemeHandler.parse(urnComponents, options) as URNComponents;
			}
		} else {
			urnComponents.error = urnComponents.error || "URN can not be parsed.";
		}

		return urnComponents;
	},

	serialize : function (urnComponents:URNComponents, options:URNOptions):URIComponents {
		const scheme = options.scheme || urnComponents.scheme || "urn";
		const nid = urnComponents.nid;
		const urnScheme = `${scheme}:${options.nid || nid}`;
		const schemeHandler = SCHEMES[urnScheme];

		if (schemeHandler)
		{
			urnComponents = schemeHandler.serialize(urnComponents, options) as URNComponents;
		}

		const uriComponents = urnComponents as URIComponents;
		const nss = urnComponents.nss;
		uriComponents.path = `${nid || options.nid}:${nss}`;

		return uriComponents;
	},
};

export default handler;
const NOT_DOMAIN = new RegExp(merge(\"[^\"]*, ATEXT$$, \"[^\"]*, DTEXT_NO_OBSS$$, \"[^\"]*\"), \"g\"));
const NOT_HFNAME = new RegExp(merge(\"[^\"]*, UNRESERVED$$, SOME_DELIM$$), \"g\"));
const NOT_HFVALUE = NOT_HFNAME;
const TO = new RegExp("^" + TO$ + "$\"));
const HFIELDS = new RegExp("^\"* + HFIELDS2$ + \"$\"));

function decodeUnreserved(str:string):string {
  const decStr = pctDecChars(str);
  return (!decStr.match(UNRESERVED) ? str : decStr);
}

const handler:URISchemeHandler<MailtoComponents> = {
  scheme : \"mailto\",
  parse : function (components:URIComponents, options:URIOptions):MailtoComponents {
    const mailtoComponents = components as MailtoComponents;
    const to = mailtoComponents.to = (mailtoComponents.path ? mailtoComponents.path.split("\";\") : []);
    mailtoComponents.path = undefined;
    mailtoComponents.headers = undefined;
    mailtoComponents.query = undefined;

    for (let x = 0, xl = to.length; x < xl; ++x) {
      const addr = to[x].split("@\";\")
      addr[0] = unescapeComponent(addr[0], options);
      addr[1] = unescapeComponent(addr[1], options);
    }
  },
  serialize : function (mailtoComponents:MailtoComponents, options:URIOptions):URIComponents {
    const components = mailtoComponents as URIComponents;
    const to = toArray(mailtoComponents.to);
    if (to) {
      for (let x = 0, xl = to.length; x < xl; ++x) {
        const toAddr = String(to[x]);
        const atIdx = toAddr.lastIndexOf("@\";\")
        const localPart = (toAddr.slice(0, atIdx)).replace(PCT_ENCODED, decodeUnreserved).replace(PCT_ENCODED, toUpperCase).replace(NOT_LOCAL_PART, pctEncChar);
        let domain = toAddr.slice(atIdx + 1);
        try {
          domain = (!options.iri ? punycode.toASCII(unescapeComponent(domain, options).toLowerCase()) : punycode.toUnicode(domain));
        } catch (e) {
          components.error = components.error || \"Email address's domain name can not be converted to ASCII via punycode: \" + e;
          continue;
        }
        to[x] = localPart + "@" + domain;
      }
      components.path = to.join(";\")
    }
    return components;
  }
}

export default handler;

import { URISchemeHandler, URIComponents, URIOptions } from \"../uri\";
import http from \"./http\";

const handler:URISchemeHandler = {
  scheme : \"https\",
  domainHost : http.domainHost,
  parse : http.parse,
  serialize : http.serialize
}

export default handler;
const handler: URISchemeHandler = {
    scheme: "http",
    domainHost: true,
    parse: function (components: URIComponents, options: URIOptions): URIComponents {
        components.error = components.error || "HTTP URIs must have a host.
        return components;
    },
    serialize: function (components: URIComponents, options: URIOptions): URIComponents {
        normalize the default port
        (components.port !== undefined) ?: { components.port !== "" };
        normalize the empty path
        (components.path !== "")
        ;
        NOTE: We do not parse query strings for HTTP URIs as
        // as WWW Form Url Encoded query strings are part of the HTML4+ spec;
        // and not the HTTP spec.
    },
};

export default handler;

	return e;
}

export function pctDecChars(str:string):string {
	let newStr = "";
	let i = 0;
	const il = str.length;
	while (i < il) {
		const c = parseInt(str.substr(i + 1, 2), 16);
		if (c < 128) {
			newStr += String.fromCharCode(c);
		} else if (c >= 194 && c < 224) {
			newStr += String.fromCharCode(((c & 31) << 6) | (c2 & 63));
		} else if (c >= 224) {
			if ((il - i) >= 9) {
				const c2 = parseInt(str.substr(i + 4, 2), 16);
				const c3 = parseInt(str.substr(i + 7, 2), 16);
				newStr += String.fromCharCode(((c & 15) << 12) | ((c2 & 63) << 6) | (c3 & 63));
			} else {
				newStr += str.substr(i, 9);
			}
			i += 9;
		} else {
			newStr += str.substr(i, 3);
			i += 3;
		}
	}

	return newStr;
}

function _normalizeComponentEncoding(components:URIComponents, protocol:URIRegExps) {
	function decodeUnreserved(str:string):string {
		const decStr = pctDecChars(str);
		return (!decStr.match(protocol.UNRESERVED) ? str : decStr);
	}

	if (components.scheme) components.scheme = String(components.scheme).replace(protocol.PCT_ENCODED, decodeUnreserved).toLowerCase().replace(protocol.NOT_SCHEME, "");
	if (components.userinfo !== undefined) components.userinfo = String(components.userinfo).replace(protocol.PCT_ENCODED, decodeUnreserved).replace(protocol.NOT_USERINFO, pctEncChar).replace(protocol.PCT_ENCODED, toUpperCase);
	if (components.host !== undefined) components.host = String(components.host).replace(protocol.PCT_ENCODED, decodeUnreserved).toLowerCase().replace(protocol.NOT_HOST, pctEncChar).replace(protocol.PCT_ENCODED, toUpperCase);
	if (components.path !== undefined) components.path = String(components.path).replace(protocol.PCT_ENCODED, decodeUnreserved).toLowerCase().replace(protocol.NOT_PATH, pctEncChar).replace(protocol.PCT_ENCODED, toUpperCase);
	if (components.query !== undefined) components.query = String(components.query).replace(protocol.PCT_ENCODED, decodeUnreserved).replace(protocol.NOT_QUERY, pctEncChar).replace(protocol.PCT_ENCODED, toUpperCase);
	if (components.fragment !== undefined) components.fragment = String(components.fragment).replace(protocol.PCT_ENCODED, decodeUnreserved).toLowerCase().replace(protocol.NOT_FRAGMENT, pctEncChar).replace(protocol.PCT_ENCODED, toUpperCase);

	return components;
};

function _stripLeadingZeros(str:string):string {
	return str.replace(/^0*(.*)/, "$1") || "0";
}

function _normalizeIPv4(host:string, protocol:URIRegExps):string {
	const matches = host.match(protocol.IPV4ADDRESS) || [];
	const [, address] = matches;

	if (address) {
		return address.split(".").map(_stripLeadingZeros).join(".");
	} else {
		return host;
	}
}

function _normalizeIPv6(host:string, protocol:URIRegExps):string {
	const matches = host.match(protocol.IPV6ADDRESS) || [];
	const [, address, zone] = matches;

	if (address) {
		const [last, first] = address.toLowerCase().split('::').reverse();
		const firstFields = first ? first.split(":").map(_stripLeadingZeros) : [];
		const lastFields = last.split(":").map(_stripLeadingZeros);

		const fieldCount = firstFields.length + lastFields.length;

		for (let x = 0; x < fieldCount; ++x) {
			firstFields[x] = firstFields[x] || lastFields[x];
		}

		const lastFieldIPv4Address = protocol.IPV4ADDRESS.test(lastFields[lastFields.length - 1]) ? _normalizeIPv4(lastFields[fieldCount - 1], protocol) : null;

		if (lastFieldIPv4Address) {
			lastFields[fieldCount - 1] = _normalizeIPv4(lastFieldIPv4Address);
		}

		const normalizedFields = lastFields.map((field, index) => {
			if (field === "0") {
				return "0";
			} else {
				return field;
		}
		}).join("::");

		if (zone) {
			normalizedFields += zone;
		}

		return normalizedFields;
}
zone;\n\treturn newHost;\n} else {\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n\t\n
{\n\t\turiTokens.push(\":\");\n\t\turiTokens.push(components.port.toString(10));\n\t}\n\n\treturn uriTokens.length ?
uriTokens.join(\"\") : undefined;\n};\n\nconst RDS1 = /^\\.\\.?\\//;\nconst RDS2 = /^\\/\\.(\\/|$)/;\nconst RDS3 =
/^\\/\\.\\.(\\/|$)/;\nconst RDS4 = /^\\.\\.?$/;\nconst RDS5 = /^\\/?(?:.|\\n)*?(?=\\/|$)/;\n\nexport function
removeDotSegments(input:string):string {\n\tconst output:Array<string> = [];\n\n\twhile (input.length) {\n\t\tif
(input.match(RDS1)) {\n\t\t\tinput = input.replace(RDS1, \"\");\n\t\t} else if (input.match(RDS2)) {\n\t\t\tinput =
input.replace(RDS2, \"/\");\n\t\t} else if (input.match(RDS3)) {\n\t\t\tinput = input.replace(RDS3,
\"/\");\n\t\t\toutput.pop();\n\t\t} else if (input === \".\" || input === \"..\") {\n\t\t\tinput = \"\";\n\t\t} else {\n\t\t\tconst
im = input.match(RDS5);\n\t\t\tif (im) {\n\t\t\t\tconst s = im[0];\n\t\t\t\tinput =
input.slice(s.length);\n\t\t\t\toutput.push(s);\n\t\t\t} else {\n\t\t\t\tthrow new Error(\"Unexpected dot segment
condition\");\n\t\t\t}\n\t\t}\n\t}\n\n\treturn output.join(\"\");\n};\n\nexport function
serialize(components:URIComponents, options:URIOptions = {}):string {\n\tconst protocol = (options.iri ?
IRI_PROTOCOL : URI_PROTOCOL);\n\tconst uriTokens:Array<string> = [];\n\n\t//find scheme handler\n\tconst
schemeHandler = SCHEMES[(options.scheme || components.scheme || \"\").toLowerCase()];\n\n\t//perform scheme
specific serialization\n\tif (schemeHandler && schemeHandler.serialize) schemeHandler.serialize(components,
options);\n\n\tif (components.host) {\n\t\t//if host component is an IPv6 address\n\t\tif
(protocol.IPV6ADDRESS.test(components.host)) {\n\t\t\t//TODO: normalize IPv6 address as per RFC
5952\n\t\t}\n\n\t\t//if host component is a domain name\n\t\telse if (options.domainHost || (schemeHandler &&
schemeHandler.domainHost)) {\n\t\t\t//convert IDN via punycode\n\t\t\ttry {\n\t\t\t\tcomponents.host = (!options.iri
? punycode.toASCII(components.host.replace(protocol.PCT_ENCODED, pctDecChars).toLowerCase()) :
punycode.toUnicode(components.host));\n\t\t\t} catch (e) {\n\t\t\t\tcomponents.error = components.error || \"Host's
domain name can not be converted to \" + (!options.iri ? \"ASCII\" : \"Unicode\") + \" via punycode: \" +
e;\n\t\t\t}\n\t\t}\n\t}\n\n\t//normalize encoding\n\t_normalizeComponentEncoding(components, protocol);\n\n\tif
(options.reference !== \"suffix\" && components.scheme)
{\n\t\turiTokens.push(components.scheme);\n\t\turiTokens.push(\":\");\n\t}\n\n\tconst authority =
_recomposeAuthority(components, options);\n\tif (authority !== undefined) {\n\t\tif (options.reference !==
\"suffix\") {\n\t\t\turiTokens.push(\"//\");\n\t\t}\n\n\t\turiTokens.push(authority);\n\n\t\tif (components.path &&
components.path.charAt(0) !== \"/\") {\n\t\t\turiTokens.push(\"/\");\n\t\t}\n\t}\n\n\tif (components.path !==
undefined) {\n\t\tlet s = components.path;\n\n\t\tif (!options.absolutePath && (!schemeHandler ||
!schemeHandler.absolutePath)) {\n\t\t\ts = removeDotSegments(s);\n\t\t}\n\n\t\tif (authority === undefined)
{\n\t\t\ts = s.replace(/^\\/\\//, \"/%2F\"); //don't allow the path to start with
\"//\"\n\t\t}\n\n\t\turiTokens.push(s);\n\t}\n\n\tif (components.query !== undefined)
{\n\t\turiTokens.push(\"?\");\n\t\turiTokens.push(components.query);\n\t}\n\n\tif (components.fragment !==
undefined) {\n\t\turiTokens.push(\"#\");\n\t\turiTokens.push(components.fragment);\n\t}\n\n\treturn
uriTokens.join(\"\"); //merge tokens into a string\n};\n\nexport function resolveComponents(base:URIComponents,
relative:URIComponents, options:URIOptions = {}, skipNormalization?:boolean):URIComponents {\n\tconst
target:URIComponents = {};\n\n\tif (!skipNormalization) {\n\t\tbase = parse(serialize(base, options), options);
//normalize base components\n\t\trelative = parse(serialize(relative, options), options); //normalize relative
components\n\t}\n\toptions = options || {};\n\n\tif (!options.tolerant && relative.scheme) {\n\t\ttarget.scheme =
relative.scheme;\n\t\t//target.authority = relative.authority;\n\t\ttarget.userinfo = relative.userinfo;\n\t\ttarget.host =
relative.host;\n\t\ttarget.port = relative.port;\n\t\ttarget.path = removeDotSegments(relative.path ||
\"\");\n\t\ttarget.query = relative.query;\n\t} else {\n\t\tif (relative.userinfo !== undefined || relative.host !==
undefined || relative.port !== undefined) {\n\t\t\t//target.authority = relative.authority;\n\t\t\ttarget.userinfo =
relative.userinfo;\n\t\t\ttarget.host = relative.host;\n\t\t\ttarget.port = relative.port;\n\t\t\ttarget.path =
removeDotSegments(relative.path || \"\");\n\t\t\ttarget.query = relative.query;\n\t\t} else {\n\t\t\tif (!relative.path)
{\n\t\t\t\ttarget.path = base.path;\n\t\t\t\tif (relative.query !== undefined) {\n\t\t\t\t\ttarget.query =
relative.query;\n\t\t\t\t} else {\n\t\t\t\t\ttarget.query = base.query;\n\t\t\t\t}\n\t\t\t} else {\n\t\t\t\tif
(relative.path.charAt(0) === \"/\") {\n\t\t\t\t\ttarget.path = removeDotSegments(relative.path);\n\t\t\t\t} else
{\n\t\t\t\t\tif ((base.userinfo !== undefined || base.host !== undefined || base.port !== undefined) && !base.path)

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convert a pair of surrogate halves (each of which UCS-2 exposes as separate characters) into a single code point.

```javascript
function ucs2decode(string) {
  const output = [];
  let counter = 0;
  const length = string.length;
  while (counter < length) {
    const value = string.charCodeAt(counter++);
    if (value >= 0xD800 && value <= 0xDBFF && counter < length) {
      const value = string.charCodeAt(counter++);
      if ((value & 0xFC00) == 0xDC00) {
        output.push(((value & 0x3FF) << 10) + (extra & 0x3FF) + 0x10000);
      } else {
        output.push(value);
        counter--;
      }
    } else {
      output.push(value);
    }
  }
  return output;
}

const ucs2encode = array => String.fromCodePoint(...array);
```

Basic code point value.

```javascript
const basicToDigit = function(codePoint) {
  if (codePoint - 0x30 < 0x0A) {
    return codePoint - 0x16;
  }
  if (codePoint - 0x41 < 0x1A) {
    return codePoint - 0x41;
  }
  if (codePoint - 0x61 < 0x1A) {
    return codePoint - 0x61;
  }
  return base;
};
```

Basic code point whose value (when used for integers) in the range `0` to `base - 1`. If `flag` is non-zero, the uppercase form is used; else, the lowercase form is used. The behavior is undefined if `flag` is non-zero and `digit` has no uppercase form.

```javascript
const digitToBasic = function(digit, flag) {
  // 0..25 map to ASCII a..z or A..Z
  // 26..35 map to ASCII 0..9
  return digit + 22 + 75 * (digit < 26) - ((flag != 0) << 5);
};
```

Bias adaptation function as per section 3.4 of RFC 3492.

```javascript
const adapt = function(delta, numPoints, firstTime) {
  let k = 0;
  delta = firstTime ? Math.floor(delta / damp) : delta >> 1;
  delta += Math.floor(delta / numPoints);
  for (/* no initialization */; delta > baseMinusTMin * tMax >> 1; k += base) {
    delta = Math.floor(delta / baseMinusTMin);
  }
  return Math.floor(k + (baseMinusTMin + 1) * delta / (delta + skew));
};
```

Punycode string of ASCII-only symbols to a string of Unicode symbols.

```javascript
const decode = function(input) {
  // Don't use UCS-2.
  const output = [];
  const inputLength = input.length;
  let i = 0;
  let n = initialN;
  let bias = initialBias;

  // Handle the basic code points: let `basic` be the number of input code points before the last delimiter, or `0` if there is none, then copy
  // the first basic code points to the output.
  let basic = input.lastIndexOf(delimiter);
  if (basic < 0) {
    basic = 0;
  }
  for (let j = 0; j < basic; ++j) {
    output.push(input.charCodeAt(j));
  }

  // Main decoding loop: start just after the last delimiter if any basic code points were copied; start at the beginning otherwise.
  for (let index = basic > 0 ? basic + 1 : 0; /* no final expression */ index < inputLength; index++) {
    let charCodeAt(j) >= 0x80) {
      throw new Error('not-a-basic');
    }
    const value = string.charCodeAt(index);
    if (value < base) {
      output.push(value);
    } else {
      output.push(value - base + 0x10000);
    }
  }
```

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/**
 * Converts a string of Unicode symbols (e.g. a domain name label) to a Punycode string of ASCII-only symbols.
 * @memberOf punycode
 * @param {String} input The string of Unicode symbols.
 * @returns {String} The resulting Punycode string of ASCII-only symbols.
 */
const encode = function(input) {
	const output = [];

	// Convert the input in UCS-2 to an array of Unicode code points.
	input = ucs2decode(input);

	// Cache the length.
	let inputLength = input.length;

	// Initialize the state.
	let n = initialN;
	let delta = 0;
	let bias = initialBias;

	// Main encoding loop:
	while (handledCPCount < inputLength) {

		// All non-basic code points < n have been handled already. Find the next n:
		let m = maxInt;
		for (const currentValue of input) {
			if (currentValue >= n && currentValue < m) {
				m = currentValue;
			}
		}

		// Increase `delta` enough to advance the decoder's <n,i> state to <m,0>, but guard against overflow.
		handledCPCountPlusOne = handledCPCount + 1;
		if (m - n > floor((maxInt - delta) / handledCPCountPlusOne)) {
			error('overflow');
		}

		delta += (m - n) * handledCPCountPlusOne;
		n = m;

		// Insert `n` at position `i` of the output.
		output.splice(i++, 0, n);

	}
	return output.join('');
};

/**
 * Converts a Punycode string representing a domain name or an email address to Unicode. Only the Punycoded parts of the input will be converted, i.e. it doesn't matter if you call it on a string that has already been converted to Unicode.
 * @memberOf punycode
 * @param {String} input The Punycoded domain name or email address to convert, as a Unicode string.
 * @returns {String} The Unicode representation of the given Punycode string.
 */
const toUnicode = function(input) {
	return mapDomain(input, function(string) {
		return regexPunycode.test(string)
			? decode(string.slice(4).toLowerCase())
			: string;
	});

/**
 * Converts a Unicode string representing a domain name or an email address to Punycode. Only the non-ASCII parts of the domain name will be converted, i.e. it doesn't matter if you call it with a domain that's already in ASCII.
 * @memberOf punycode
 * @param {String} input The domain name or email address to convert, as a Unicode string.
 * @returns {String} The Punycode representation of the given domain name or email address.
 */
const toASCII = function(input) {
	return mapDomain(input, function(string) {
		return regexNonASCII.test(string)
			? 'xn--' + encode(string)
			: string;
	});

/*-----------------------------------*/

/** Define the public API */
const punycode = {
	/**
	 * A string representing the current Punycode.js version number.
	 * @memberOf punycode
	 * @type String
	 */
	'version': '2.1.0',
	/**
	 * An object of methods to convert from JavaScript's internal character*/
	 * representation (UCS-2) to Unicode code points, and back.
	 * @see <https://mathiasbynens.be/notes/javascript-encoding>
	 */
	'ucs2': {
		'decode': ucs2decode,
		'encode': ucs2encode
	},
	'decode': decode,
	'encode': encode,
	'toASCII': toASCII,
	'toUnicode': toUnicode,
	'offsetCurrency': function(baseMinusT) {
		return baseMinusT
			? baseMinusT
			: 0;
		}
};

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\"@\") + \"?\" + HOST$ + subexp(\"\\\\:\" + PORT$) + \"?\"),\n\t\tPCHAR$ = subexp(PCT_ENCODED$ + \"|\" +
merge(UNRESERVED$$, SUB_DELIMS$$, \"[\\\\:\\\\@]\")),\n\t\tSEGMENT$ = subexp(PCHAR$ +
\"*\"),\n\t\tSEGMENT_NZ$ = subexp(PCHAR$ + \"+\"),\n\t\tSEGMENT_NZ_NC$ =
subexp(subexp(PCT_ENCODED$ + \"|\" + merge(UNRESERVED$$, SUB_DELIMS$$, \"[\\\\@]\")) +
\"+\"),\n\t\tPATH_ABEMPTY$ = subexp(subexp(\"\\\\/\" + SEGMENT$) + \"*\"),\n\t\tPATH_ABSOLUTE$ =
subexp(\"\\\\/\" + subexp(SEGMENT_NZ$ + PATH_ABEMPTY$) + \"?\"), //simplified\n\t\tPATH_NOSCHEME$
= subexp(SEGMENT_NZ_NC$ + PATH_ABEMPTY$), //simplified\n\t\tPATH_ROOTLESS$ =
subexp(SEGMENT_NZ$ + PATH_ABEMPTY$), //simplified\n\t\tPATH_EMPTY$ = \"(?!\" + PCHAR$ +
\")\",\n\t\tPATH$ = subexp(PATH_ABEMPTY$ + \"|\" + PATH_ABSOLUTE$ + \"|\" + PATH_NOSCHEME$ +
\"|\" + PATH_ROOTLESS$ + \"|\" + PATH_EMPTY$),\n\t\tQUERY$ = subexp(subexp(PCHAR$ + \"|\" +
merge(\"[\\\\/\\\\?]\", IPRIVATE$$)) + \"*\"),\n\t\tFRAGMENT$ = subexp(subexp(PCHAR$ + \"|[\\\\/\\\\?]\") +
\"*\"),\n\t\tHIER_PART$ = subexp(subexp(\"\\\\/\\\\/\" + AUTHORITY$ + PATH_ABEMPTY$) + \"|\" +
PATH_ABSOLUTE$ + \"|\" + PATH_ROOTLESS$ + \"|\" + PATH_EMPTY$),\n\t\tURI$ = subexp(SCHEME$ +
\"\\\\:\" + HIER_PART$ + subexp(\"\\\\?\" + QUERY$) + \"?\" + subexp(\"\\\\#\" + FRAGMENT$) +
\"?\"),\n\t\tRELATIVE_PART$ = subexp(subexp(\"\\\\/\\\\/\" + AUTHORITY$ + PATH_ABEMPTY$) + \"|\" +
PATH_ABSOLUTE$ + \"|\" + PATH_NOSCHEME$ + \"|\" + PATH_EMPTY$),\n\t\tRELATIVE$ =
subexp(RELATIVE_PART$ + subexp(\"\\\\?\" + QUERY$) + \"?\" + subexp(\"\\\\#\" + FRAGMENT$) +
\"?\"),\n\t\tURI_REFERENCE$ = subexp(URI$ + \"|\" + RELATIVE$),\n\t\tABSOLUTE_URI$ =
subexp(SCHEME$ + \"\\\\:\" + HIER_PART$ + subexp(\"\\\\?\" + QUERY$) + \"?\"),\n\n\t\tGENERIC_REF$ =
\"^(\" + SCHEME$ + \")\\\\:\" + subexp(subexp(\"\\\\/\\\\/(\" + subexp(\"(\" + USERINFO$ + \")@\") + \"?(\" +
HOST$ + \")\" + subexp(\"\\\\:(\" + PORT$ + \")\") + \"?)\") + \"?(\" + PATH_ABEMPTY$ + \"|\" +
PATH_ABSOLUTE$ + \"|\" + PATH_ROOTLESS$ + \"|\" + PATH_EMPTY$ + \")\") + subexp(\"\\\\?(\" +
QUERY$ + \")\") + \"?\" + subexp(\"\\\\#(\" + FRAGMENT$ + \")\") + \"?$\",\n\t\tRELATIVE_REF$ = \"^(){0}\" +
subexp(subexp(\"\\\\/\\\\/(\" + subexp(\"(\" + USERINFO$ + \")@\") + \"?(\" + HOST$ + \")\" + subexp(\"\\\\:(\" +
PORT$ + \")\") + \"?)\") + \"?(\" + PATH_ABEMPTY$ + \"|\" + PATH_ABSOLUTE$ + \"|\" +
PATH_NOSCHEME$ + \"|\" + PATH_EMPTY$ + \")\") + subexp(\"\\\\?(\" + QUERY$ + \")\") + \"?\" +
subexp(\"\\\\#(\" + FRAGMENT$ + \")\") + \"?$\",\n\t\tABSOLUTE_REF$ = \"^(\" + SCHEME$ + \")\\\\:\" +
subexp(subexp(\"\\\\/\\\\/(\" + subexp(\"(\" + USERINFO$ + \")@\") + \"?(\" + HOST$ + \")\" + subexp(\"\\\\:(\" +
PORT$ + \")\") + \"?)\") + \"?(\" + PATH_ABEMPTY$ + \"|\" + PATH_ABSOLUTE$ + \"|\" +
PATH_ROOTLESS$ + \"|\" + PATH_EMPTY$ + \")\") + subexp(\"\\\\?(\" + QUERY$ + \")\") +
\"?$\",\n\t\tSAMEDOC_REF$ = \"^\" + subexp(\"\\\\#(\" + FRAGMENT$ + \")\") +
\"?$\",\n\t\tAUTHORITY_REF$ = \"^\" + subexp(\"(\" + USERINFO$ + \")@\") + \"?(\" + HOST$ + \")\" +
subexp(\"\\\\:(\" + PORT$ + \")\") + \"?$\"\n\t;\n\n\treturn {\n\t\tNOT_SCHEME : new RegExp(merge(\"[^]\",
ALPHA$$, DIGIT$$, \"[\\\\+\\\\-\\\\.]\"), \"g\"),\n\t\tNOT_USERINFO : new RegExp(merge(\"[^\\\\%\\\\:]\",
UNRESERVED$$, SUB_DELIMS$$), \"g\"),\n\t\tNOT_HOST : new RegExp(merge(\"[^\\\\%\\\\[\\\\]\\\\:]\",
UNRESERVED$$, SUB_DELIMS$$), \"g\"),\n\t\tNOT_PATH : new RegExp(merge(\"[^\\\\%\\\\/\\\\:\\\\@]\",
UNRESERVED$$, SUB_DELIMS$$), \"g\"),\n\t\tNOT_PATH_NOSCHEME : new
RegExp(merge(\"[^\\\\%\\\\/\\\\@]\", UNRESERVED$$, SUB_DELIMS$$), \"g\"),\n\t\tNOT_QUERY : new
RegExp(merge(\"[^\\\\%]\", UNRESERVED$$, SUB_DELIMS$$, \"[\\\\:\\\\@\\\\/\\\\?]\", IPRIVATE$$),
\"g\"),\n\t\tNOT_FRAGMENT : new RegExp(merge(\"[^\\\\%]\", UNRESERVED$$, SUB_DELIMS$$,
\"[\\\\:\\\\@\\\\/\\\\?]\"), \"g\"),\n\t\tESCAPE : new RegExp(merge(\"[^]\", UNRESERVED$$, SUB_DELIMS$$),
\"g\"),\n\t\tUNRESERVED : new RegExp(UNRESERVED$$, \"g\"),\n\t\tOTHER_CHARS : new
RegExp(merge(\"[^\\\\%]\", UNRESERVED$$, RESERVED$$), \"g\"),\n\t\tPCT_ENCODED : new
RegExp(PCT_ENCODED$, \"g\"),\n\t\tIPV4ADDRESS : new RegExp(\"^(\" + IPV4ADDRESS$ +
\")$\"),\n\t\tIPV6ADDRESS : new RegExp(\"^\\\\[?(\" + IPV6ADDRESS$ + \")\" +
subexp(subexp(\"\\\\%25|\\\\%(?!\" + HEXDIG$$ + \"{2})\") + \"(\" + ZONEID$ + \")\") + \"?\\\\]?$\") //RFC 6874,
with relaxed parsing rules\n\t};\n}\n\nexport default buildExps(false);\n","export function
merge(...sets:Array<string>):string {\n\tif (sets.length > 1) {\n\t\tsets[0] = sets[0].slice(0, -1);\n\t\tconst xl =

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sets.length - 1;
for (let x = 1; x < xl; ++x) {
  sets[x] = sets[x].slice(1, -1);
}
sets[xl] = sets[xl].slice(1);
return sets.join('');
} else {
  return sets[0];
}

export function subexp(str:string):string {
  return "(?:" + str + ")";
}

export function typeOf(o:any):string {
  return o === undefined ? "undefined" : (o === null ? "null" : Object.prototype.toString.call(o).split(" ").pop().split("(").shift().toLowerCase() || o);        
}

export function toUpperCase(str:string):string {
  return str.toUpperCase();
}

export function toArray(obj:any):Array<any> {
}

export function assign(target: object, source: any): any {
  const obj = target as any;
  if (source) {
    for (const key in source) {
      obj[key] = source[key];
    }
  }
  return obj;
}
import resolve from 'rollup-plugin-node-resolve';
import babel from 'rollup-plugin-babel';
const packageJson = require('./package.json');

export default {
  entry: "dist/esnext/index.js",
  format: "umd",
  moduleName: "URI",
  plugins: [
    resolve({
      module: true,
      jsnext: true,
      preferBuiltins: false
    }),
    babel({
      presets: ["umd"],
      modules: false
    }),
    babel({
      externalHelpers: false
    })
  ]
};
dest : "dist/es5/uri.all.js",
sourceMap: true,
banner: "/*@license URI.js v" + packageJson.version + " (c) 2011 Gary Court. License: http://github.com/garycourt/uri-js */"}

Found in path(s):
* /opt/cola/permits/1110634955_1606918997.92/0/garycourt-uri-js-4-2-2-0-g4f6f600-1-tar-gz/garycourt-uri-js-4f6f600/rollup.config.js

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* /opt/cola/permits/1110634955_1606918997.92/0/garycourt-uri-js-4-2-2-0-g4f6f600-1-tar-gz/garycourt-uri-js-
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freedom to share and change it. By contrast, the GNU General Public
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free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
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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.

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with the library after making changes to the library and recompiling
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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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   (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
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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.

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
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that the user who changes the contents of definitions files in the
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to use the modified definitions.)

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,
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will operate properly with a modified version of the library, if
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interface-compatible with the version that the work was made with.

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performing this distribution.

d) If distribution of the work is made by offering access to copy
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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.

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@heading TERMS AND CONDITIONS

@enumerate 0
@item Definitions.

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

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

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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.

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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 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
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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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SIGNATURE OF TY COON, 1 April 1990
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[This is the first released version of the library GPL. It is
numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

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The 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
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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
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which has been distributed under these terms. A "work based on the
Library" means either the Library or any derivative work under
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"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.

   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,
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themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
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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
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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
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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.

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

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

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Appendix: How to Apply These Terms to Your New Libraries

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

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

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1.1073 python 3.5.2-2ubuntu0~16.04.1

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

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

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

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

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

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

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

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Any feedback is very welcome.
http://www.math.keio.ac.jp/matumoto/emt.html
email: matumoto@math.keio.ac.jp

Sockets
-------

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

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UUencode and UUdecode functions

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with python standard

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-------

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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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<td>PSF</td>
<td>yes</td>
</tr>
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<td>2.2 and above</td>
<td>2.1.1</td>
<td>2001-now</td>
<td>PSF</td>
<td>yes</td>
</tr>
</tbody>
</table>

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including the following files:

\begin{verbatim}
lib/gssapi/generic/gssapi_err_generic.c
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_dup_name.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
\end{verbatim}
and the initial implementation of incremental propagation, including
the following new or changed files:

```python
#include <iprop_hdr.h>
#include <kadmin/server/ipropd_svc.c>
#include <lib/kdb/iprop/x>
#include <lib/kdb/kdb_convert.c>
#include <lib/kdb/kdb_log.c>
#include <lib/krb5/error_tables.kr5>
#include <slave/kpropd_rpc.c>
#include <slave/kproplog.c>
```

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*/
/* .*- mode: c; c-basic-offset: 4; indent-tabs-mode: nil -*.- */
/*

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*/
Patch for GNU/kFreeBSD portability from Petr Salinger <Petr.Salinger@t-systems.cz>.

Kerberos RT #3466
Debian bug #261712

=== krb5/src/appl/telnet/telnet/sys_bsd.c
==================================================================
--- krb5/src/appl/telnet/telnet/sys_bsd.c	(revision 2038)
+++ krb5/src/appl/telnet/telnet/sys_bsd.c	(local)
@@ -43,6 +43,8 @@
#include <sys/types.h>
#include <sys/time.h>
#include <sys/socket.h>
+#include <sys/ioct1.h>

#ifdef HAVE_SYS_SELECT_H
#include <sys/select.h>
#endif

=== krb5/src/appl/telnet/telnetd/defs.h
==================================================================
--- krb5/src/appl/telnet/telnetd/defs.h	(revision 2038)
+++ krb5/src/appl/telnet/telnetd/defs.h	(local)
@@ -38,6 +38,7 @@
*/
#include <sys/types.h>
#include <sys/param.h>
+include <sys/ioctl.h>

#ifndef BSD
#define BSD 43
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
<title>Copyright &mdash; 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">

var DOCUMENTATION_OPTIONS = {
    URL_ROOT: '../',
    VERSION: '1.13.2',
    COLLAPSE_INDEX: false,
    FILE_SUFFIX: '.html',
    HAS_SOURCE: true
};
</script>
<script type="text/javascript" src="_static/jquery.js"></script>
<script type="text/javascript" src="_static/underscore.js"></script>
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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
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
    slave/kpropd_rpc.c
    slave/kproplog.c
```

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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
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/prop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kproplg.c
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# and license statements in source code comments.

import os
import sys
import re

def warn(fname, ln, msg):
    print '%s: %d: %s' % (fname, ln + 1, msg)

def indicates_license(line):
    return 'Copyright' in line or 'COPYRIGHT' in line or 'License' in line

# Check a comment for boilerplate violations. Return true if the comment
# is a license statement.

def check_comment(comment, fname, ln, code_seen, nonlicense_seen):
    text_seen = False
    is_license = False
    for line in comment:
        if not is_license and indicates_license(line):
            is_license = True
        if text_seen:
            warn(fname, ln, 'License begins after first line of comment')
        elif code_seen:
            warn(fname, ln, 'License after code')
        elif nonlicense_seen:
            warn(fname, ln, 'License after non-license comments')
        break
    # DB2 licenses start with '/*--' and we don't want to change them.
    if line != '' and line != '-':
        text_seen = True
    return is_license

def check_file(lines, fname):
    # Skip emacs mode line if present.
    ln = 0
    if '-*- mode: c;' in lines[ln]:
        ln += 1
    # Check filename comment if present.
    m = re.match(r'/(* ([^ \*]*)( - .*)? \*/', lines[ln])
    if m:
        if m.group(1) != fname:
            warn(fname, ln, 'Wrong filename in comment')
        ln += 1
    # Scan for license statements.
    in_comment = False
    code_seen = False
    nonlicense_seen = False
    for line in lines[ln:]:
        # Strip out whitespace and comments contained within a line.
        if not in_comment:
            line = re.sub(r'[^*][^*/]*', '', line)
            line = line.strip()
        if not in_comment and '/*' in line:
            (line, sep, comment_part) = line.partition('/*')
            comment = [comment_part.strip()]
            comment_starts_at = ln
            in_comment = True
        elif in_comment and '*/' not in line:
            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:
                # DB2 licenses start with '/*--' and we don't want to change them.
                if line != '' and line != '-':
                    text_seen = True
                return is_license
```python
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)

.. _mitK5license:

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

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   :hidden:

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

b) 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.

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* /opt/ws_local/PERMITS_SQL/1072871254_1595214807.59/0/netty-buffer-4-1-42-final-sources-1.jar/io/netty/buffer/PollArenaMetric.java
* /opt/ws_local/PERMITS_SQL/1072871254_1595214807.59/0/netty-buffer-4-1-42-final-sources-1.jar/io/netty/buffer/PollSubpageMetric.java
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* /opt/cola/permits/1110919681_1606873439.63/0/slf4j-api-1-7-21-sources-2-jar/org/slf4j/helpers/BasicMarker.java
* /opt/cola/permits/1110919681_1606873439.63/0/slf4j-api-1-7-21-sources-2-jar/org/slf4j/helpers/SubstituteLoggerFactory.java
* /opt/cola/permits/1110919681_1606873439.63/0/slf4j-api-1-7-21-sources-2-jar/org/slf4j/Marker.java
* /opt/cola/permits/1110919681_1606873439.63/0/slf4j-api-1-7-21-sources-2-jar/org/slf4j/helpers/Util.java
* /opt/cola/permits/1110919681_1606873439.63/0/slf4j-api-1-7-21-sources-2-jar/org/slf4j/spi/MDCArtifact.java
* /opt/cola/permits/1110919681_1606873439.63/0/slf4j-api-1-7-21-sources-2-jar/org/slf4j/spi/LocationAwareLogger.java
* /opt/cola/permits/1110919681_1606873439.63/0/slf4j-api-1-7-21-sources-2-jar/org/slf4j/spi/LoggerFactoryBinder.java
* /opt/cola/permits/1110919681_1606873439.63/0/slf4j-impl/StaticMDCBinder.java
* /opt/cola/permits/1110919681_1606873439.63/0/slf4j-api-1-7-21-sources-2-jar/org/slf4j/LoggerFactory.java
* /opt/cola/permits/1110919681_1606873439.63/0/slf4j-api-1-7-21-sources-2-jar/org/slf4j/spi/LoggerFactoryBinder.java
* /opt/cola/permits/1110919681_1606873439.63/0/slf4j-api-1-7-21-sources-2-jar/org/slf4j/spi/StaticLoggerBinder.java
* /opt/cola/permits/1110919681_1606873439.63/0/slf4j-api-1-7-21-sources-2-jar/org/slf4j/helpers/NOPLoggerFactory.java
* /opt/cola/permits/1110919681_1606873439.63/0/slf4j-api-1-7-21-sources-2-jar/org/slf4j/helpers/NOPMDCAdapter.java
* /opt/cola/permits/1110919681_1606873439.63/0/slf4j-api-1-7-21-sources-2-jar/org/slf4j/helpers/FormattingTuple.java
* /opt/cola/permits/1110919681_1606873439.63/0/slf4j-api-1-7-21-sources-2-jar/org/slf4j-api-1-7-21-sources-2-
jar/org/slf4j/helpers/MarkerIgnoringBase.java
* /opt/cola/permits/1110919681_1606873439.63/0/slf4j-api-1-7-21-sources-2-jar/org/slf4j/helpers/BasicMarkerFactory.java
* /opt/cola/permits/1110919681_1606873439.63/0/slf4j-api-1-7-21-sources-2-jar/org/slf4j/helpers/MessageFormatter.java
* /opt/cola/permits/1110919681_1606873439.63/0/slf4j-api-1-7-21-sources-2-jar/org/slf4j/helpers/NamedLoggerBase.java
* /opt/cola/permits/1110919681_1606873439.63/0/slf4j-api-1-7-21-sources-2-jar/org/slf4j/ILoggerFactory.java
* /opt/cola/permits/1110919681_1606873439.63/0/slf4j-api-1-7-21-sources-2-jar/org/slf4j/Logger.java
* /opt/cola/permits/1110919681_1606873439.63/0/slf4j-api-1-7-21-sources-2-jar/org/slf4j/helpers/NOPLogger.java
* /opt/cola/permits/1110919681_1606873439.63/0/slf4j-api-1-7-21-sources-2-jar/org/slf4j/impl/StaticMarkerBinder.java
* /opt/cola/permits/1110919681_1606873439.63/0/slf4j-api-1-7-21-sources-2-jar/org/slf4j/spi/MarkerFactoryBinder.java
* /opt/cola/permits/1110919681_1606873439.63/0/slf4j-api-1-7-21-sources-2-jar/org/slf4j/helpers/SubstituteLogger.java
* /opt/cola/permits/1110919681_1606873439.63/0/slf4j-api-1-7-21-sources-2-jar/org/slf4j/MDC.java

1.1087 netty-codec 4.1.16.Final

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* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/CharSequenceValueConverter.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/ValueConverter.java
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* /opt/cola/permits/111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/DefaultHeadersImpl.java
* /opt/cola/permits/111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/DefaultHeaders.java
* /opt/cola/permits/111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/Headers.java
* /opt/cola/permits/111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/EmptyHeaders.java

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  jar/io/netty/handler/codec/compression/package-info.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-
  jar/io/netty/handler/codec/CodecException.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-
  jar/io/netty/handler/codec/serialization/ClassResolver.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-
  jar/io/netty/handler/codec/LengthFieldPrepender.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-
  jar/io/netty/handler/codec/DecoderException.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-
  jar/io/netty/handler/codec/PrematureChannelClosureException.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-
  jar/io/netty/handler/codec/serialization/ObjectEncoderOutputStream.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-
  jar/io/netty/handler/codec/ByteToMessageDecoder.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-
  jar/io/netty/handler/codec/compression/JdkZlibEncoder.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-
  jar/io/netty/handler/codec/serialization/CompatibleObjectEncoder.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-
  jar/io/netty/handler/codec/serialization/SoftReferenceMap.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-
  jar/io/netty/handler/codec/compression/ZlibUtil.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-
  jar/io/netty/handler/codec/string/StringEncoder.java
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jar/io/netty/handler/codec/protobuf/package-info.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/Delimiters.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/serialization/WeakReferenceMap.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/MessageToMessageDecoder.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/base64/package-info.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/marshalling/MarshallingEncoder.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/marshalling/ContextBoundUnmarshallerProvider.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/string/package-info.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/serialization/ClassLoaderClassResolver.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/serialization/ObjectDecoderInputStream.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/serialization/ObjectDecoder.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/bytes/package-info.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/marshalling/ContextBoundUnmarshallerProvider.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/marshalling/ChannelBufferByteOutput.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/string/StringDecoder.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/compression/JZlibDecoder.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/compression/JZlibWrapper.java
jar/io/netty/handler/codec/serialization/package-info.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/compression/DecompressionException.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/marshalling/MarshallingDecoder.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/compression/Snappy.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/marshalling/MarshallingMessageToMessageCodec.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/compression/SnappyFrameDecoder.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/marshalling/DefaultMarshallerProvider.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/serialization/CompactObjectInputStream.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/MessageToByteEncoder.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/marshalling/MarshallerProvider.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/marshalling/CompatibleMarshallingEncoder.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/package-info.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/compression/ZlibEncoder.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/compression/CorruptedFrameException.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/compression/CompressionException.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/ReplayingDecoderByteBuf.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>
 * lengthFieldOffset   = 0
 * lengthFieldLength   = 2
 * lengthAdjustment    = 0
 * initialBytesToStrip = 0 (= do not strip header)
 * </pre>
 * BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
 * +--------+----------------+      +--------+----------------+
 * | Length | Actual Content |----->| Length | Actual Content |
 * | 0x000C | "HELLO, WORLD" |      | 0x000C | "HELLO, WORLD" |
 * +--------+----------------+      +--------+----------------+
 * </pre>
 * <h3>2 bytes length field at offset 0, strip header</h3>
 * 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" |
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 -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 `<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
* `<pre>`

* 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>`

* `<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> = `<b>1</b>` (= the length of HDR2)
* `<b>initialBytesToStrip</b> = `<b>3</b>` (= the length of HDR1 + LEN)
* `<pre>`

* 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>b.lengthAdjustment</b> = <b>-3</b> (= the length of HDR1 + LEN, negative)
* <b>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/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-
jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java

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Found in path(s):
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-
jar/io/netty/handler/codec/DatagramPacketEncoder.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty/handler/codec/DatagramPacketDecoder.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty/handler/codec/string/LineSeparator.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty/handler/codec/compression/ByteBufChecksum.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty/handler/codec/DateFormatter.java
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Found in path(s):
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/CodecOutputList.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/compression/CompressionUtil.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/string/LineEncoder.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/compression/Bzip2Rand.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/DecoderResultProvider.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/compression/SnappyFramedDecoder.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/compression/Bzip2BlockCompressor.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/compression/Bzip2MoveToFrontTable.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/compression/FastLz.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/compression/FastLzFrameDecoder.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/compression/Lz4FrameEncoder.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/json/JsonObjectDecoder.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/AsciiHeadersEncoder.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/AsciiHeadersDecoder.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/json/JsonArrayDecoder.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/json/JsonArrayEncoder.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/json/JsonArrayNodeDecoder.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/json/JsonObjectNodeDecoder.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/json/JsonParser.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/json/JsonParserFactory.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/json/ObjectNodeDecoder.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/json/ObjectNodeEncoder.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/json/ObjectNodeFactory.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-jar/io/netty/handler/codec/json/ObjectNodeNodeDecoder.java
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/*
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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>.
*/

Found in path(s):
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-
  jar/io/netty/handler/codec/base64/Base64.java
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* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-
  jar/io/netty/handler/codec/protobuf/ProtobufEncoder.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-
  jar/io/netty/handler/codec/ProtocolDetectionResult.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-
jar/io/netty/handler/codec/HeadersUtils.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-
jar/io/netty/handler/codec/protobuf/ProtobufVarint32FrameDecoder.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-
jar/io/netty/handler/codec/protobuf/ProtobufEncoderNano.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-
jar/io/netty/handler/codec/protobuf/ProtobufDecoder.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-
jar/io/netty/handler/codec/ProtocolDetectionState.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-
jar/io/netty/handler/codec/protobuf/ProtobufVarint32LengthFieldPrepender.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-
jar/io/netty/handler/codec/protobuf/ProtobufDecoderNano.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-
jar/io/netty/handler/codec/UnsupportedValueConverter.java

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* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-
jar/io/netty/handler/codec/compression/JdkZlibDecoder.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-
jar/io/netty/handler/codec/compression/Crc32c.java
* /opt/cola/permits/1111379102_1606904705.33/0/netty-codec-4-1-16-final-sources-3-
jar/io/netty/handler/codec/xml/XmlFrameDecoder.java

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 */
/*
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 */
/**
 * Enumeration of supported Base64 dialects.
 * <p>
 * The internal lookup tables 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>.
 */

1.1088 fs-vacuum 1.2.9
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1.1090 jackson-databind 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 been in development since 2007. It is currently developed by a community of developers, as well as supported
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## Credits

A list of contributors may be found from CREDITS file, which is included in some artifacts (usually source distributions); but is always available from the source code management (SCM) system project uses.

### 1.1091 keyring 10.1

#### 1.1091.1 Available under license:

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Metadata-Version: 1.1  
Name: keyring  
Version: 10.1  
Summary: Store and access your passwords safely.  
Home-page: https://github.com/jaraco/keyring  
Author: Jason R. Coombs  
Author-email: jaraco@jaraco.com  
License: UNKNOWN  
Description:  
:target: https://pypi.org/project/keyring

:target: https://pypi/pyversions/keyring.svg

:target: https://pypi/dm/keyring.svg

:target: http://travis-ci.org/jaraco/keyring

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

## Installing and Using Python Keyring Lib

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

.. contents:: **Table of Contents**

What is Python keyring lib?
The Python keyring lib provides a easy way to access the system keyring service from python. It can be used in any application that needs safe password storage.

The keyring library is licensed under both the `MIT license` and the PSF license.

These recommended keyring backends are supported by the Python keyring lib:

* Mac OS X `Keychain`  
  <https://en.wikipedia.org/wiki/Keychain_%28software%29>`
* Freedesktop `Secret Service`  
  <http://standards.freedesktop.org/secret-service/>`(requires  
  `secretstorage <https://pypi.python.org/pypi/secretstorage>`_)
* `KWallet` <https://en.wikipedia.org/wiki/KWallet>`  
  `(requires `dbus <https://pypi.python.org/pypi/dbus-python>`_)
* `Windows Credential Vault`  

Other keyring implementations are provided in the `keyrings.alt` package <https://pypi.python.org/pypi/keyrings.alt>`.

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

Installation Instructions
-------------------------

Install from Index

Install using your favorite installer. For example:

    $ pip install keyring

Linux

On Linux, the recommended keyring relies on SecretStorage, which in turn relies on dbus-python, but dbus-python does not install correctly when using the Python installers, so dbus-python must be installed as a system package. See `the SecretStorage GitHub repo`  
<https://github.com/mitya57/secretstorage>` for details.

Using Keyring

The basic usage of keyring is pretty simple: just call `keyring.set_password`
and `keyring.get_password`

```plaintext
>>> import keyring
>>> keyring.set_password("system", "username", "password")
>>> keyring.get_password("system", "username")
'password'
```

Command-line Utility

Keyring supplies a `keyring` command which is installed with the package. After installing keyring in most environments, the command should be available for setting, getting, and deleting passwords. For more information on usage, invoke with no arguments or with `--help` as so:

$ keyring --help
$ keyring set system username
Password for 'username' in 'system':
$ keyring get system username
password

The command-line functionality is also exposed as an executable package, suitable for invoking from Python like so:

$ python -m keyring --help
$ python -m keyring set system username
Password for 'username' in 'system':
$ python -m keyring get system username
password

Configure your keyring lib

The python keyring lib contains implementations for several backends. The library will automatically choose the keyring that is most suitable for your current environment. You can also specify the keyring you like to be used in the config file or by calling the `set_keyring()` function.

Customize your keyring by config file

This section describes how to change your option in the config file.

Config file path
The configuration of the lib is stored in a file named "keyringrc.cfg". This file must be found in a platform-specific location. To determine where the config file is stored, run the following:

```
python -c "import keyring.util.platform_; print(keyring.util.platform_.config_root())"
```

Some keyrings also store the keyring data in the file system. To determine where the data files are stored, run this command:

```
python -c "import keyring.util.platform_; print(keyring.util.platform_.data_root())"
```

Config file content
-------------------

To specify a keyring backend, set the **default-keyring** option to the full path of the class for that backend, such as `keyring.backends.OS_X.Keyring`.

If **keyring-path** is indicated, keyring will add that path to the Python module search path before loading the backend.

For example, this config might be used to load the SimpleKeyring from the demo directory in the project checkout:

```
[backend]
default-keyring=simplekeyring.SimpleKeyring
keyring-path=/home/kang/pyworkspace/python-keyring-lib/demo/
```

Write your own keyring backend
==============================

The interface for the backend is defined by `keyring.backend.KeyringBackend`. Every backend should derive from that base class and define a `priority` attribute and three functions: `get_password()`, `set_password()`, and `delete_password()`.

See the `backend` module for more detail on the interface of this class.

Set the keyring in runtime
==========================

Keyring additionally allows programmatic configuration of the backend calling the api `set_keyring()`. The indicated backend will subsequently be used to store and retrieve passwords.
Here's an example demonstrating how to invoke `set_keyring`::

```python
# define a new keyring class which extends the KeyringBackend import keyring.backend

class TestKeyring(keyring.backend.KeyringBackend):
    """A test keyring which always outputs same password
    """
    priority = 1

    def set_password(self, servicename, username, password):
        pass

    def get_password(self, servicename, username):
        return "password from TestKeyring"

    def delete_password(self, servicename, username, password):
        pass

# set the keyring for keyring lib
keyring.set_keyring(TestKeyring())

# invoke the keyring lib
try:
    keyring.set_password("demo-service", "tarek", "passexample")
    print("password stored sucessfully")
except keyring.errors.PasswordSetError:
    print("failed to store password")
print("password", keyring.get_password("demo-service", "tarek"))
```

**Using Keyring on Ubuntu 16.04**

The following is a complete transcript for installing keyring in a virtual environment on Ubuntu 16.04. No config file was used.::

```
$ sudo apt install python3-venv libdbus-glib-1-dev
$ cd /tmp
$ pyvenv py3
$ source py3/bin/activate
$ pip install -U pip
$ pip install secretstorage dbus-python
$ pip install keyring
$ python
>>> import keyring
>>> keyring.get_keyring()
```
>>> keyring.set_password("system", "username", "password")
>>> keyring.get_password("system", "username")
'password'

Using Keyring on headless Linux systems
========================================

It is possible to use the SecretService backend on Linux systems without X11 server available (only D-Bus is required). To do that, you need the following:

* Install the `GNOME Keyring`_ daemon.
* Start a D-Bus session, e.g. run `dbus-run-session -- sh` and run the following commands inside that shell.
* Run `gnome-keyring-daemon` with `--unlock` option. The description of that option says:

    Read a password from stdin, and use it to unlock the login keyring or create it if the login keyring does not exist.

When that command is started, enter your password into stdin and press Ctrl+D (end of data). After that the daemon will fork into background (use `--foreground` option to prevent that).
* Now you can use the SecretService backend of Keyring. Remember to run your application in the same D-Bus session as the daemon.

.. _GNOME Keyring: https://wiki.gnome.org/Projects/GnomeKeyring

Integrate the keyring lib with your application
===============================================

API interface
==============

The keyring lib has a few functions:

* `~get_keyring()`: Return the currently-loaded keyring implementation.
* `~get_password(service, username)`: Returns the password stored in the active keyring. If the password does not exist, it will return None.
* `~set_password(service, username, password)`: Store the password in the keyring.
* `~delete_password(service, username)`: Delete the password stored in keyring. If the password does not exist, it will raise an exception.
Get involved

Python keyring lib is an open community project and highly welcomes new contributors.

* Repository: https://github.com/jaraco/keyring/
* Bug Tracker: https://github.com/jaraco/keyring/issues/
* Mailing list: http://groups.google.com/group/python-keyring

Making Releases

This project makes use of automated releases via Travis-CI. The simple workflow is to tag a commit and push it to Github. If it passes tests on a late Python version, it will be automatically deployed to PyPI.

Other things to consider when making a release:

- first ensure that tests pass (preferably on Windows and Linux)
- check that the changelog is current for the intended release

Running Tests

Tests are `continuously run <https://travis-ci.org/#!/jaraco/keyring>`_ using Travis-CI.

To run the tests yourself, you'll want keyring installed to some environment in which it can be tested. Recommended technique is described below.

Using tox

Keyring prefers use of `tox <https://pypi.org/project/tox>` to run tests.
Simply install and invoke ``tox``.

This technique is the one used by the Travis-CI script.

Background

The project was based on Tarek Ziade's idea in `this post`_. Kang Zhang initially carried it out as a `Google Summer of Code`_ project, and Tarek mentored Kang on this project.
.. _this post: http://tarekziade.wordpress.com/2009/03/27/pycon-hallway-session-1-a-keyring-library-for-python/

.. _Google Summer of Code: http://socghop.appspot.com/

.. image:: https://badges.gitter.im/jaraco/keyring.svg
   :alt: Join the chat at https://gitter.im/jaraco/keyring

Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
Classifier: Intended Audience :: Developers
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Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3.3
Classifier: Programming Language :: Python :: 3.4
Classifier: Programming Language :: Python :: 3.5

Found in path(s):
* /opt/cola/permits/1124908627_1611193934.08/0/keyring-10-1-tar-gz/keyring-10.1/PKG-INFO
* /opt/cola/permits/1124908627_1611193934.08/0/keyring-10-1-tar-gz/keyring-10.1/keyring.egg-info/PKG-INFO
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   :target: https://pypi.org/project/keyring

.. image:: https://img.shields.io/pypi/pyversions/keyring.svg

.. image:: https://img.shields.io/pypi/dm/keyring.svg

.. image:: https://img.shields.io/travis/jaraco/keyring/master.svg
   :target: http://travis-ci.org/jaraco/keyring

=======================================
Installing and Using Python Keyring Lib
=======================================

.. contents:: **Table of Contents**

---------------------------------------
What is Python keyring lib?
---------------------------------------

The Python keyring lib provides a easy way to access the system keyring service
from python. It can be used in any application that needs safe password storage.

The keyring library is licensed under both the `MIT license <http://opensource.org/licenses/MIT>`_ and the PSF license.

These recommended keyring backends are supported by the Python keyring lib:

* Mac OS X `Keychain <https://en.wikipedia.org/wiki/Keychain_%28software%29>`_

Other keyring implementations are provided in the `keyrings.alt package <https://pypi.python.org/pypi/keyrings.alt>`_.

-------------------------
Installation Instructions
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Install from Index
==================

Install using your favorite installer. For example:

```
$ pip install keyring
```

Linux
-----

On Linux, the recommended keyring relies on SecretStorage, which in turn relies on dbus-python, but dbus-python does not install correctly when using the Python installers, so dbus-python must be installed as a system package. See `the SecretStorage GitHub repo <https://github.com/mitya57/secretstorage>`_ for details.

Using Keyring
-------------

The basic usage of keyring is pretty simple: just call `keyring.set_password` and `keyring.get_password`:

```
>>> import keyring
```
>>> keyring.set_password("system", "username", "password")
>>> keyring.get_password("system", "username")
'password'

Command-line Utility
====================

Keyring supplies a `keyring` command which is installed with the package. After installing keyring in most environments, the command should be available for setting, getting, and deleting passwords. For more information on usage, invoke with no arguments or with `--help` as so::

$ keyring --help
$ keyring set system username
Password for 'username' in 'system':
$ keyring get system username
password

The command-line functionality is also exposed as an executable package, suitable for invoking from Python like so::

$ python -m keyring --help
$ python -m keyring set system username
Password for 'username' in 'system':
$ python -m keyring get system username
password

--------------------------
Configure your keyring lib
--------------------------

The python keyring lib contains implementations for several backends. The library will automatically choose the keyring that is most suitable for your current environment. You can also specify the keyring you like to be used in the config file or by calling the `set_keyring()` function.

Customize your keyring by config file
------------------------------------

This section describes how to change your option in the config file.

Config file path
----------------

The configuration of the lib is stored in a file named "keyringrc.cfg". This file must be found in a platform-specific location. To determine
where the config file is stored, run the following::

    python -c "import keyring.util.platform_; print(keyring.util.platform_.config_root())"

Some keyrings also store the keyring data in the file system. To determine
where the data files are stored, run this command::

    python -c "import keyring.util.platform_; print(keyring.util.platform_.data_root())"

Config file content
-------------------

To specify a keyring backend, set the **default-keyring** option to the
full path of the class for that backend, such as
``keyring.backends.OS_X.Keyring``.

If **keyring-path** is indicated, keyring will add that path to the Python
module search path before loading the backend.

For example, this config might be used to load the SimpleKeyring from the demo
directory in the project checkout::

    [backend]
    default-keyring=simplekeyring.SimpleKeyring
    keyring-path=/home/kang/pyworkspace/python-keyring-lib/demo/

Write your own keyring backend
==============================

The interface for the backend is defined by ``keyring.backend.KeyringBackend``.
Every backend should derive from that base class and define a ``priority``
attribute and three functions: ``get_password()``, ``set_password()`` and
``delete_password()``.

See the ``backend`` module for more detail on the interface of this class.

Set the keyring in runtime
==========================

Keyring additionally allows programmatic configuration of the
backend calling the api ``set_keyring()``. The indicated backend
will subsequently be used to store and retrieve passwords.

Here's an example demonstrating how to invoke ``set_keyring``::
# define a new keyring class which extends the KeyringBackend
import keyring.backend

class TestKeyring(keyring.backend.KeyringBackend):
    """A test keyring which always outputs same password
    """
    priority = 1

    def set_password(self, servicename, username, password):
        pass

    def get_password(self, servicename, username):
        return "password from TestKeyring"

    def delete_password(self, servicename, username, password):
        pass

# set the keyring for keyring lib
keyring.set_keyring(TestKeyring())

# invoke the keyring lib
try:
    keyring.set_password("demo-service", "tarek", "passexample")
    print("password stored successfully")
except keyring.errors.PasswordSetError:
    print("failed to store password")
print("password", keyring.get_password("demo-service", "tarek"))

Using Keyring on Ubuntu 16.04
================================

The following is a complete transcript for installing keyring in a virtual environment on Ubuntu 16.04. No config file was used.::

$ sudo apt install python3-venv libdbus-glib-1-dev
$ cd /tmp
$ pyenv py3
$ source py3/bin/activate
$ pip install -U pip
$ pip install secretstorage dbus-python
$ pip install keyring
$ python
>>> import keyring
>>> keyring.get_keyring()
<keyring.backends.SecretService.Keyring object at 0x7f9b9c971ba8>
>>> keyring.set_password("system", "username", "password")
>>> keyring.get_password("system", "username")
Using Keyring on headless Linux systems
=======================================

It is possible to use the SecretService backend on Linux systems without X11 server available (only D-Bus is required). To do that, you need the following:

* Install the `GNOME Keyring`_ daemon.
* Start a D-Bus session, e.g. run ```dbus-run-session -- sh``` and run the following commands inside that shell.
* Run ```gnome-keyring-daemon``` with ```--unlock``` option. The description of that option says:

  Read a password from stdin, and use it to unlock the login keyring or create it if the login keyring does not exist.

When that command is started, enter your password into stdin and press Ctrl+D (end of data). After that the daemon will fork into background (use ```--foreground``` option to prevent that).
* Now you can use the SecretService backend of Keyring. Remember to run your application in the same D-Bus session as the daemon.

.. _GNU Keyring: https://wiki.gnome.org/Projects/GnomeKeyring

Integrate the keyring lib with your application
-----------------------------------------------

API interface
=============  

The keyring lib has a few functions:

* ```get_keyring()```: Return the currently-loaded keyring implementation.
* ```get_password(service, username)```: Returns the password stored in the active keyring. If the password does not exist, it will return None.
* ```set_password(service, username, password)```: Store the password in the keyring.
* ```delete_password(service, username)```: Delete the password stored in keyring. If the password does not exist, it will raise an exception.

Get involved
-----------
Python keyring lib is an open community project and highly welcomes new contributors.

* Repository: https://github.com/jaraco/keyring/
* Bug Tracker: https://github.com/jaraco/keyring/issues/
* Mailing list: http://groups.google.com/group/python-keyring

Making Releases
===============

This project makes use of automated releases via Travis-CI. The simple workflow is to tag a commit and push it to Github. If it passes tests on a late Python version, it will be automatically deployed to PyPI.

Other things to consider when making a release:

- first ensure that tests pass (preferably on Windows and Linux)
- check that the changelog is current for the intended release

Running Tests
==============

Tests are `continuously run <https://travis-ci.org/#!/jaraco/keyring>`_ using Travis-CI.

To run the tests yourself, you'll want keyring installed to some environment in which it can be tested. Recommended technique is described below.

Using tox
---------

Keyring prefers use of `tox <https://pypi.org/project/tox>` to run tests. Simply install and invoke `tox`.

This technique is the one used by the Travis-CI script.

---------

Background
---------

The project was based on Tarek Ziade's idea in `this post`_. Kang Zhang initially carried it out as a `Google Summer of Code`_ project, and Tarek mentored Kang on this project.

.. _this post: http://tarekziade.wordpress.com/2009/03/27/pycon-hallway-session-1-a-keyring-library-for-python/

.. _Google Summer of Code: http://socghop.appspot.com/
.. image:: https://badges.gitter.im/jaraco/keyring.svg
   :alt: Join the chat at https://gitter.im/jaraco/keyring

Found in path(s):
* /opt/cola/permits/1124908627_1611193934.08/0/keyring-10-1-tar-gz/keyring-10.1/README.rst

No license file was found, but licenses were detected in source scan.

"License :: OSI Approved :: MIT License",

Found in path(s):
* /opt/cola/permits/1124908627_1611193934.08/0/keyring-10-1-tar-gz/keyring-10.1/setup.py

1.1092 reactcss 1.2.3

1.1092.1 Available under license:

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1.1093 nanomatch 1.2.7
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1.1094 gccbase 4.9.2-10+deb8u2
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Jan 21, 2002

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@end{c man end}
This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

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

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

Some other contributors:

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

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

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

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

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

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

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

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

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

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a) Accompany the combined library with a copy of the same work
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Appendix: How to Apply These Terms to Your New Programs

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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.

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

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

^L

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"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
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is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
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executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
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@item
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* /opt/cola/permits/110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/InnerClassesAttribute.java
* /opt/cola/permits/110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/tools/reflect/CannotInvokeException.java
* /opt/cola/permits/110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/compiler/ast/ASTree.java
* /opt/cola/permits/110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/CtNewNestedClass.java
* /opt/cola/permits/110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/CtMethod.java
* /opt/cola/permits/110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/util/proxy/Proxy.java
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jar/javassist/bytecode/AnnotationDefaultAttribute.java
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* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/tools/rmi/RemoteException.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/ClassPoolTail.java

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Found in path(s):
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/annotation/IntegerMemberValue.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/annotation/CharMemberValue.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/annotation/BooleanMemberValue.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/annotation/ByteMemberValue.java
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1.1102 prr 0.0.0

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1.1103 npm-user-validate 0.1.5

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1.1105 libjson-c3 0.12.1 1.3ubuntu0.3

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

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

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

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

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

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

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

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

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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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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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1.1116 xerces-impl 2.11.0

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 */

/**
 * used to check the 3 constraints against each complex type
 * (should be each model group):
 * Unique Particle Attribution, Particle Derivation (Restriction),
 * Element Declarations Consistent.
 */

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* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-
  jar/org/apache/xerces/impl/xs/XSConstraints.java

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*/

/**
* Checks if this content model has had its min/maxOccurs values reduced for
* purposes of speeding up UPA. If so, this content model should not be used
* for any purpose other than checking unique particle attribution
*
* @return a boolean that says whether this content has been compacted for UPA
*/

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* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/impl/xs/models/XSCMValidator.java

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jar/org/apache/wml/dom/WMLBrElementImpl.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/xpointer/XPointerProcessor.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/xs/XSParticle.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/xs/PSVIProvider.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/jaxp/validation/WeakReferenceXMLSchema.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/impl/msg/XMLMessageFormatter.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/impl/dv/xs/QNameDV.java
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* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/html/dom/HTMLBodyElementImpl.java
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* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/impl/io/UTF16Reader.java
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* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1.jar/org/apache/html/dom/HTMLObjectElementImpl.java
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* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/dom/NotationImpl.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/wml/WMLRefreshElement.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xml/serialize/SecuritySupport.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/impl/XMLEntityManager.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/wml/dom/WMLELElementImpl.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/impl/xs/opti/SchemaDOMImplementation.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/impl/dv/InvalidDatatypeValueException.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/parsers/NonValidatingConfiguration.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/wml/WMLBElement.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/impl/xs/XXinclude/XXincludeTextReader.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/impl/dv/dtd/StringDatatypeValidator.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/parsers/StandardParserConfiguration.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/impl/xs/XXParticleDecl.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xml/serialize/SerializerFactory.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/jaxp/validation/StAXEventResultBuilder.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/dom/ElementNSImpl.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/impl/dv/dtd/DTDDVFactoryImpl.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/util/AugmentationsImpl.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/dom/events/MouseEventImpl.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/html/dom/HTMLTableRowElementImpl.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/html/dom/HTMLAreaElementImpl.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/dom/DeferredElementNSImpl.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/impl/ldt/CMNode.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/impl/dtd/models/CMNode.java
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* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/xs/data/types/XSDateTime.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/xni/XMLDTDHandler.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/impl/dtd/XMLNotationDecl.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/xni/parser/XMLDocumentScanner.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/impl/xs/models/XSCMRepeatingLeaf.java
* /opt/cola/permits/110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/wml/dom/WMLPostfieldElementImpl.java
* /opt/cola/permits/110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/impl/xx/XSGrammarBucket.java
* /opt/cola/permits/110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/impl/xs/XSGrammarBucket.java
* /opt/cola/permits/110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/impl/dv/xs/BooleanDV.java
* /opt/cola/permits/110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/impl/xs/XSAttributeDecl.java
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* /opt/cola/permits/110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/impl/xpath/regex/ParseException.java
* /opt/cola/permits/110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/impl/XMLScanner.java
* /opt/cola/permits/110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/impl/xpath/xs/BooleanDV.java
* /opt/cola/permits/110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/util/MessageFormatter.java

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* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/impl/dv/xs/MonthDayDV.java
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* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/impl/dv/xs/YearMonthDV.java
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* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/impl/dv/xs/DurationDV.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/impl/xs/XSModelGroupImpl.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/impl/xs/traversers/XSDHandler.java
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* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/dom3/as/DOMImplementationAS.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/dom3/as/ASNotationDeclaration.java
* /opt/cola/permits/1110923106_1606873023.09/0/xercesimpl-2-11-0-sources-1-jar/org/apache/xerces/dom3/as/ASAttributeDeclaration.java
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jar/org/apache/xerces/impl/xpath/regex/message_fr.properties
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 */
/**
 * DOM Level 3 LS CR - Experimental.
 * Create a new <code>LSParser</code>. The newly constructed parser may
 * then be configured by means of its <code>DOMConfiguration</code>
 * object, and used to parse documents by means of its <code>parse</code>
 * method.
 * @param mode The <code>mode</code> argument is either
 * <code>MODE_SYNCHRONOUS</code> or <code>MODE_ASYNCHRONOUS</code>, if
 * <code>mode</code> is <code>MODE_SYNCHRONOUS</code> then the
 * <code>LSParser</code> that is created will operate in synchronous
 * mode, if it's <code>MODE_ASYNCHRONOUS</code> then the
 * <code>LSParser</code> that is created will operate in asynchronous
 * mode.
* @param schemaType An absolute URI representing the type of the schema
* language used during the load of a <code>Document</code> using the
* newly created <code>LSParser</code>. Note that no lexical checking
* is done on the absolute URI. In order to create a
* <code>LSParser</code> for any kind of schema types (i.e. the
* LSParser will be free to use any schema found), use the value
* <code>null</code>.
* <p>Note: For W3C XML Schema [<a href='http://www.w3.org/TR/2001/REC-xmlschema-1-20010502'>XML Schema Part 1</a>]
* , applications must use the value
* <code>"http://www.w3.org/2001/XMLSchema"</code>. For XML DTD [<a href='http://www.w3.org/TR/2000/REC-xml-20001006'>XML 1.0</a>],
* applications must use the value
* <code>"http://www.w3.org/TR/REC-xml"</code>. Other Schema languages
* are outside the scope of the W3C and therefore should recommend an
* absolute URI in order to use this method.
* @return The newly created <code>LSParser</code> object. This
* <code>LSParser</code> is either synchronous or asynchronous
* depending on the value of the <code>mode</code> argument.
* <p>Note: By default, the newly created <code>LSParser</code>
* does not contain a <code>DOMErrorHandler</code>, i.e. the value of
* the "<a href='http://www.w3.org/TR/2003/WD-DOM-Level-3-Core-20030609/core.html#parameter-error-handler'>error-handler</a>"
* configuration parameter is <code>null</code>. However, implementations
* may provide a default error handler at creation time. In that case,
* the initial value of the <code>error-handler</code> configuration
* parameter on the new created <code>LSParser</code> contains a
* reference to the default error handler.
* @exception DOMException
* NOT_SUPPORTED_ERR: Raised if the requested mode or schema type is
* not supported.
*/

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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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1.1124 libgcc 1:8.4.0 1ubuntu1~18.04

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Version 3, 29 June 2007

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

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

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

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

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Mersenne Twister
---------------

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

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

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

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http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html
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Sockets
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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
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Select kqueue
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---------

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Original location:
https://github.com/majek/csiphash/

Solution inspired by code from:
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Jean-Philippe Aumasson (https://131002.net/siphash/siphash24.c)

strtod and dtoa
----------------

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zlib
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The :mod:`zlib` extension is built using an included copy of the zlib sources if the zlib version found on the system is too old to be used for the build:

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

cfuhash
-------

The implementation of the hash table used by the :mod:`tracemalloc` is based on the cfuhash project:

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libmpdec
--------

The :mod:`_decimal` module is built using an included copy of the libmpdec library unless the build is configured `--with-system-libmpdec`:

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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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1.1127 validate-npm-package-license 3.0.1
1.1127.1 Available under license:

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);
```
The function will return a warning and suggestion for nearly-correct license identifiers:

```
```javascript
assert.deepEqual(valid('ISC'), validSPDXExpression);
```javascript
```

SPDX expressions are valid, too ...

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

... except if they contain `LicenseRef`:

```
```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>"'.
'license is similar to the valid expression "Apache-2.0"
]
};
```

assert.deepEqual(
valid('LicenseRef-Made-Up'),
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"
]
});
```
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'
}
);
```

```javascript
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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Version 2.0, January 2004
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1.1138 python-ipaddress 1.0.16 1

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1.1143 scala-library 2.11.5

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/**
 * A `ClassTag[T]` stores the erased class of a given type `T`, accessible via the `runtimeClass`
 * field. This is particularly useful for instantiating `Array`'s whose element types are unknown
 * at compile time.
 *
 * `ClassTag`'s are a weaker special case of `scala.reflect.api.TypeTags#TypeTag`'s, in that they
 * wrap only the runtime class of a given type, whereas a `TypeTag` contains all static type
 * information. That is, `ClassTag`'s are constructed from knowing only the top-level class of a
 * type, without necessarily knowing all of its argument types. This runtime information is enough
 * for runtime `Array` creation.
 *
 * For example:
 *
 * ```scala
 * def mkArray[T : ClassTag](elems: T*) = Array[T](elems: _*)
 * mkArray: [T](elems: T*)(implicit evidence$1: scala.reflect.ClassTag[T])Array[T]
 *
 * scala> mkArray(42, 13)
 * res0: Array[Int] = Array(42, 13)
 *
 * scala> mkArray("Japan","Brazil","Germany")
 * res1: Array[String] = Array(Japan, Brazil, Germany)
 * ```
 *
 * See `scala.reflect.api.TypeTags` for more examples, or the
 * `http://docs.scala-lang.org/overviews/reflection/typetags-manifests.html Reflection Guide: TypeTags`
 * for more details.
 *
 */

Found in path(s):
* /opt/cola/permits/1176281818_162466710.0/0/scala-library-2-11-5-sources-jar/scala/reflect/ClassTag.scala

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/**
 * Latch used to implement waiting on a DefaultPromise's result.
 *
* Inspired by: http://gee.cs.oswego.edu/cgi-bin/viewcvs.cgi/jsr166/src/main/java/util/concurrent/locks/AbstractQueuedSynchronizer.java
* Written by Doug Lea with assistance from members of JCP JSR-166
* Expert Group and released to the public domain, as explained at
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  */

Found in path(s):
  * /opt/cola/permits/1176281818_1624666710.0/0/scala-library-2.11.5-sources-jar/scala/concurrent/impl/Promise.scala

1.1144 snapdragon 0.8.1

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1.1145 hibernatejpa2.0api 1.0.1.Final

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1.1151 etc 1.1.0

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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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===================================================================
--- 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

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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 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): $(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 Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

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

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Theodore Ts'o
23-June-2007
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Version 2, June 1991

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1.1173 babel-plugin-transform-exponentiation-operator 6.24.1

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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, 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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(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.

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

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#
# All lines in this file are patterns, including the comment lines; this
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# the file name (including the path relative to the current directory,
# always starting with `/.').
#
# Don't put empty lines into this file!
#
.gitignore
#
built/unix/pkg.m4
#
docs/FTL.TXT
docs/GPLv2.TXT
```
include/freetype/internal/fthash.h

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
src/bdf/rules.mk

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
src/pcf/pcfutil.h
src/pcf/README
src/pcf/rules.mk

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
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1.1191 base-files 9.4ubuntu4.2

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1.1201 python 3.8.10-r0

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1.1206 pytest 5.4.3
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1.1208 elfutils-libelf 0.180-1.el8

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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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1.1211 singledispatch 3.4.0.3

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Metadata-Version: 1.1
Name: singledispatch
Version: 3.4.0.3
Summary: This library brings functools.singledispatch from Python 3.4 to Python 2.6-3.3.
Home-page: http://docs.python.org/3/library/functools.html#functools.singledispatch
Author: ukasz Langa
Author-email: lukasz@langa.pl
License: MIT
Description: ==============

singledispatch
==============

`PEP 443 <http://www.python.org/dev/peps/pep-0443/>`_ proposed to expose a mechanism in the `functools` standard library module in Python 3.4 that provides a simple form of generic programming known as single-dispatch generic functions.

This library is a backport of this functionality to Python 2.6 - 3.3.

To define a generic function, decorate it with the `@singledispatch` decorator. Note that the dispatch happens on the type of the first argument, create your function accordingly::

```python
>>> from singledispatch import singledispatch
>>> @singledispatch
... def fun(arg, verbose=False):
...     if verbose:
...         print("Let me just say,", end=" ")
...     print(arg)
```

To add overloaded implementations to the function, use the `register()` attribute of the generic function. It is a decorator, taking a type parameter and decorating a function implementing the operation for that type::

```python
>>> @fun.register(int)
... def _(arg, verbose=False):
...     if verbose:
...         print("Strength in numbers, eh?", end=" ")
...     print(arg)
```

```python
>>> @fun.register(list)
... ```
... def _(arg, verbose=False):
...     if verbose:
...         print("Enumerate this:")
...     for i, elem in enumerate(arg):
...         print(i, elem)

To enable registering lambdas and pre-existing functions, the `register()` attribute can be used in a functional form:

```python
>>> def nothing(arg, verbose=False):
...     print("Nothing.")
... >>> fun.register(type(None), nothing)
```

The `register()` attribute returns the undecorated function which enables decorator stacking, pickling, as well as creating unit tests for each variant independently:

```python
>>> @fun.register(float)
... @fun.register(Decimal)
... def fun_num(arg, verbose=False):
...     if verbose:
...         print("Half of your number:", end=" ")
...     print(arg / 2)
... >>> fun_num is fun
False
```

When called, the generic function dispatches on the type of the first argument:

```python
>>> fun("Hello, world.")
Hello, world.
>>> fun("test.", verbose=True)
Let me just say, test.
>>> fun(42, verbose=True)
Strength in numbers, eh? 42
>>> fun(["spam", 'spam', 'eggs', 'spam'], verbose=True)
Enumerate this:
0 spam
1 spam
2 eggs
3 spam
>>> fun(None)
Nothing.
>>> fun(1.23)
0.615
```
Where there is no registered implementation for a specific type, its method resolution order is used to find a more generic implementation. The original function decorated with `@singledispatch` is registered for the base `object` type, which means it is used if no better implementation is found.

To check which implementation will the generic function choose for a given type, use the `dispatch()` attribute:

```python
>>> fun.dispatch(float)
<function fun_num at 0x1035a2840>
>>> fun.dispatch(dict)  # note: default implementation
<function fun at 0x103fe0000>
```

To access all registered implementations, use the read-only `registry` attribute:

```python
>>> fun.registry.keys()
dict_keys([<class 'NoneType'>, <class 'int'>, <class 'object'>, <class 'decimal.Decimal'>, <class 'list'>, <class 'float'>])
>>> fun.registry[float]
<function fun_num at 0x1035a2840>
>>> fun.registry[object]
<function fun at 0x103fe0000>
```

The vanilla documentation is available at http://docs.python.org/3/library/functools.html#functools.singledispatch.

Versioning
----------

This backport is intended to keep 100% compatibility with the vanilla release in Python 3.4+. To help maintaining a version you want and expect, a versioning scheme is used where:

* the first three numbers indicate the version of Python 3.x from which the backport is done

* a backport release number is provided after the last dot

For example, ```3.4.0.0``` is the **first** release of ```singledispatch``` compatible with the library found in Python **3.4.0**.

A single exception from the 100% compatibility principle is that bugs fixed before releasing another minor Python 3.x.y version **will be included** in the backport releases done in the mean time. This rule
applies to bugs only.

Maintenance
-------------

This backport is maintained on BitBucket by ukasz Langa, one of the members of the core CPython team:

* `singledispatch Mercurial repository <https://bitbucket.org/ambv/singledispatch>`_
* `singledispatch issue tracker <https://bitbucket.org/ambv/singledispatch/issues>`_

Change Log
------------

3.4.0.3
~~~~~~~

Should now install flawlessly on PyPy as well. Thanks to Ryan Petrello for finding and fixing the `setup.py` issue.

3.4.0.2
~~~~~~~

Updated to the reference implementation as of 02-July-2013.

* more predictable dispatch order when abstract base classes are in use: abstract base classes are now inserted into the MRO of the argument's class where their functionality is introduced, i.e. `issubclass(cls, abc)` returns True for the class itself but returns False for all its direct base classes. Implicit ABCs for a given class (either registered or inferred from the presence of a special method like `__len__`) are inserted directly after the last ABC explicitly listed in the MRO of said class. This also means there are less "ambiguous dispatch" exceptions raised.

* better test coverage and improved docstrings

3.4.0.1
~~~~~~~

Updated to the reference implementation as of 31-May-2013.

* better performance

* fixed a corner case with PEP 435 enums
* calls to `dispatch()` also cached
* dispatching algorithm now a module-level routine called `_find_impl()` with a simplified implementation and proper documentation
* `dispatch()` now handles all caching-related activities
* terminology more consistent: "overload" -> "implementation"

3.4.0.0
~~~~~~
* the first public release compatible with 3.4.0

Conversion Process
------------------
This section is technical and should bother you only if you are wondering how this backport is produced. If the implementation details of this backport are not important for you, feel free to ignore the following content.

``singledispatch`` is converted using `six` [<http://pypi.python.org/pypi/six>](http://pypi.python.org/pypi/six) so that a single codebase can be used for all compatible Python versions. Because a fully automatic conversion was not doable, I took the following branching approach:

* the `upstream` branch holds unchanged files synchronized from the upstream CPython repository. The synchronization is currently done by manually copying the required code parts and stating from which CPython changeset they come from. The tests should pass on Python 3.4 on this branch.

* the `default` branch holds the manually translated version and this is where all tests are run for all supported Python versions using Tox.

Keywords: single dispatch generic functions singledispatch genericfunctions decorator backport
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1.1212 brotli 1.0.6 1.el8

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

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Version 2.1, February 1999

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DRuntime: Runtime Library for the D Programming Language

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

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<tr>
<td>mach_override</td>
<td>lib/interception/mach_override</td>
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1.1218 1.1218.1 2.28-10
libcbin 2.28-10

Available under license:
Description: Don't warn for _BSD_SOURCE || _SVID_SOURCE, drop post-vivid
Author: Adam Conrad <adconrad@ubuntu.com>

--- glibc-2.21.orig/include/features.h
+++ glibc-2.21/include/features.h
@@ -145,7 +145,10 @@
    transitioned to use the new macro. */
 #if (defined _BSD_SOURCE || defined _SVID_SOURCE) 
    && !defined _DEFAULT_SOURCE
+/* Don't #warn about _BSD_SOURCE || _SVID_SOURCE, as it breaks -Werror 
+    and we don't have time to check/fix everything before vivid release 
# warning "_BSD_SOURCE and _SVID_SOURCE are deprecated, use _DEFAULT_SOURCE" 
+*/
 # undef _DEFAULT_SOURCE
 # define _DEFAULT_SOURCE1
#endif

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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.salaranta@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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[role="xpack"]
[testenv="basic"]
[[delete-license]]
=== Delete License API

This API enables you to delete licensing information.

[float]
==== Request

`DELETE /_xpack/license`

[float]
==== Description

When your license expires, {xpack} operates in a degraded mode. For more information, see {xpack-ref}/license-expiration.html[License Expiration].

[float]
==== Authorization

You must have `manage` cluster privileges to use this API. For more information, see {xpack-ref}/security-privileges.html[Security Privileges].
Examples

The following example queries the info API:

```javascript
DELETE _xpack/license
```

When the license is successfully deleted, the API returns the following response:

```javascript
{
  "acknowledged": true
}
```

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[[license-settings]]
=== (xpack) License Settings
++++
<titleabbrev>License Settings</titleabbrev>
++++

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`xpack.license.self_generated.type`::
Set to `basic` (default) to enable basic `{xpack}` features. +
+
--
If set to `trial`, the self-generated license gives access only to all the features
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--

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

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Get License API

This API enables you to retrieve licensing information.

Request

`GET /_xpack/license`

Description

This API returns information about the type of license, when it was issued, and when it expires, for example.

For more information about the different types of licenses, see https://www.elastic.co/subscriptions.

Query Parameters

`local`:

(boolean) Specifies whether to retrieve local information. The default value is `false`, which means the information is retrieved from the master node.

Authorization

You must have `monitor` cluster privileges to use this API.
For more information, see {xpack-ref}/security-privileges.html[Security Privileges].

Examples

The following example provides information about a basic license:

[source,js]
----------------------------------------
GET _xpack/license
----------------------------------------
// CONSOLE
This API enables you to update your license.

```
PUT _xpack/license
```

You can update your license at runtime without shutting down your nodes. License updates take effect immediately. If the license you are installing does not support all of the features that were available with your previous license, however, you are notified in the response. You must then re-submit the API request with the `acknowledge` parameter set to `true`.

For more information about the different types of licenses, see https://www.elastic.co/subscriptions.
==== Query Parameters

`acknowledge`::
(boolean) Specifies whether you acknowledge the license changes. The default value is `false`.

==== Request Body

`licenses`::
(array) A sequence of one or more JSON documents containing the license information.

==== Authorization

If `{security}` is enabled, you need `manage` cluster privileges to install the license.

If `{security}` is enabled and you are installing a gold or platinum license, you must enable TLS on the transport networking layer before you install the license.
See «<<configuring-tls>>».

==== Examples

The following example updates to a basic license:

[source,js]
------------------------------------------------------------------
POST _xpack/license
{
  "licenses": [
    {
      "uid":"893361dc-9749-4997-93cb-802e3d7fa4xx",
      "type":"basic",
      "issue_date_in_millis":1411948800000,
      "expiry_date_in_millis":1914278399999,
      "max_nodes":1,
      "issued_to":"issuedTo",
      "issuer":"issuer",
      "signature":"xx"
    }
  ]
}
------------------------------------------------------------------
NOTE: These values are invalid; you must substitute the appropriate content from your license file.

You can alternatively use a `curl` command, for example:

[source,js]
[source,shell]
------------------------------------------------------------
curl -XPUT -u <user> 'http://<host>:<port>/_xpack/license' -H "Content-Type: application/json" -d @license.json
------------------------------------------------------------

On Windows machine, use the following command:

[source,shell]
------------------------------------------------------------
gc .\license.json | Invoke-WebRequest -uri http://<host>:<port>/_xpack/license -Credential elastic -Method Put -ContentType "application/json"
------------------------------------------------------------

In these examples,

* `<user>` is a user ID with the appropriate authority.
* `<host>` is the hostname of the {es} node (`localhost` if executing locally)
* `<port>` is the http port (defaults to `9200`)
* `license.json` is the license JSON file

NOTE: If your {es} node has SSL enabled on the HTTP interface, you must start your URL with `https://`

If you previously had a license with more features than the basic license, you receive the following response:

[source,js]

```json
{
"acknowledged": false,
"license_status": "valid",
"acknowledge": {
"message": "This license update requires acknowledgement. To acknowledge the license, please read the following messages and update the license again, this time with the "acknowledge=true" parameter:"
,"watcher": [
"Watcher will be disabled"
],
```

```
"logstash": [
  "Logstash will no longer poll for centrally-managed pipelines"
],
"security": [
  "The following X-Pack security functionality will be disabled: ..."]
]

To complete the update, you must re-submit the API request and set the `acknowledge` parameter to `true`. For example:

[source,js]
-----------------------------------------------
POST _xpack/license?acknowledge=true
{
  "licenses": [
    {
      "uid": "893361dc-9749-4997-93cb-802e3d7fa4xx",
      "type": "basic",
      "issue_date_in_millis": 1411948800000,
      "expiry_date_in_millis": 1914278399999,
      "max_nodes": 1,
      "issued_to": "issuedTo",
      "issuer": "issuer",
      "signature": "xx"
    }
  ]
}
-----------------------------------------------

// CONSOLE
// TEST[skip:license testing issues]

Alternatively:

[source,sh]
-----------------------------------------------
curl -XPUT -u elastic 'http://<host>:<port>/_xpack/license?acknowledge=true' -H "Content-Type: application/json" -d @license.json
-----------------------------------------------

// NOTCONSOLE

For more information about the features that are disabled when you downgrade your license, see {xpack-ref}/license-expiration.html[License Expiration].

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***The art of simplicity is a puzzle of complexity.***

## Overview ##

[YAML](http://yaml.org) is a data serialization format designed for human readability and interaction with scripting languages.

SnakeYAML is a YAML processor for the Java Virtual Machine.

## SnakeYAML features ##
* a **complete** [YAML 1.1 processor](http://yaml.org/spec/1.1/current.html). In particular, SnakeYAML can parse all examples from the specification.

* Unicode support including UTF-8/UTF-16 input/output.

* high-level API for serializing and deserializing native Java objects.

* support for all types from the [YAML types repository](http://yaml.org/type/index.html).

* relatively sensible error messages.

## Info ##

* [Changes](https://bitbucket.org/asomov/snakeyaml/wiki/Changes)

* [Documentation](https://bitbucket.org/asomov/snakeyaml/wiki/Documentation)

## Contribute ##

* Mercurial DVCS is used to dance with the [source code](https://bitbucket.org/asomov/snakeyaml/src).

* If you find a bug in SnakeYAML, please [file a bug report](https://bitbucket.org/asomov/snakeyaml/issues?status=new&status=open).

* You may discuss SnakeYAML at [the mailing list](http://groups.google.com/group/snakeyaml-core).

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Copyright: Elasticsearch B.V. <info@elastic.co>
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---

```
teardown:
  - do:
    pack.license.post:
      acknowledge: true
      body: |
        ["licenses":{"uid":"894371dc-9t49-4997-93cb-8o2e3r7fa6a8","type":"trial","issue_date_in_millis":1411948800000,"max_nodes":1,"issued_to":"issuedTo","issuer":"issuer","signature":","AAAAGgAAA0FWh0T9njltjQ2qammAAAbMc9ZN0hjZDBBGyvVxyRPcOW5Bb3FjzDAxOWpSbTvOMVZwUzRxV1PSmxaaxZdW51Mi1fTHNoN1N2MXMvRFk4d3JZlZeX3R3RZ0pzU3lobWKJzVqSEFVna0ppTHBkwkprZWSQ9i1NmRQKw1SlpL0N1daZCS095MXRGN1l1ZIpYcVVTnFrcT2dzhJzmzRdFQvN3JQeGwxb0U0MXZ0dDJSFZiZTVLOHzsSDBYWyNpoZEpZHBEZjUrbanTvBxRENNSXNsWWjZllaOdZvMnEzUjNiWktNWGM5TuHQ2plaUo4Q1JOUm54MXNuU0pSOEhQaV82azhnUk9QVzhFeTFS0M1Q0RnJXGS352MKW2K055c28zSmRnVkJlb2JSQFLV2VXUnVHNDZ2R3o2VE1qBVQNSL2tOH5bUerZINWkZSVmZIWeUaSU9wTJTENDVvT1NCYklacUYKk2FwRwRW9xa06ddMbmMzSGtQc3FWOTRgZ3ZUCXvMqkt2RUwzMFJnZlVzL2d2bDRWUzh6UG5pdENGWFReXNKKe9PQAAAQQBZtvvoZJo0trxhUZlQbaTsKtna9C5KVQ6pqy1pnsBpZXl8kXISRgoFnnbQxJlJwfw5qmNyN1i3hRTH09EyaCBqaLkNXZQ6TrKQSpEmnBwAYUKZeKXsUboOk4B4mwCr8aMAKzrTiEBTxbog+57cSaUy937Gkd+1jXCQrXP+oEU7gnXZVzE6oeRoroLct1fYn90k0CFskkTrbPTSjCigZ3rvTHyee747XQ9PRAvHax737T4UOEQZQ/Plib5QIWKbBRD5Y1POYVjTayoltTnWLMxEcAkATJZLHnpBEHST7kZWjrT561jdCReJc7a8Vjs/78HXvOly"}]
---

"Installing and getting license works":
```
## current license version
  - do:
    pack.license.post:
      acknowledge: true
      body: |
"licenses":{"uid":"894371dc-9t49-4997-93cb-8o2e3r7fa6a8","type":"trial","issue_date_in_millis":1411948800000,"max_nodes":1,"issued_to":"issuedTo","issuer":"issuer","signature":"AAAAGgAAA0FWh0T9njltjQ2qammAAAbMc9ZN0hjZDBBGyvVxyRPcOW5Bb3FjzDAxOWpSbTvOMVZwUzRxV1PSmxaaxZdW51Mi1fTHNoN1N2MXMvRFk4d3JZlZeX3R3RZ0pzU3lobWKJzVqSEFVna0ppTHBkwkprZWSQ9i1NmRQKw1SlpL0N1daZCS095MXRGN1l1ZIpYcVVTnFrcT2dzhJzmzRdFQvN3JQeGwxb0U0MXZ0dDJSFZiZTVLOHzsSDBYWyNpoZEpZHBEZjUrbanTvBxRENNSXNsWWjZllaOdZvMnEzUjNiWktNWGM5TuHQ2plaUo4Q1JOUm54MXNuU0pSOEhQaV82azhnUk9QVzhFeTFS0M1Q0RnJXGS352MKW2K055c28zSmRnVkJlb2JSQFLV2VXUnVHNDZ2R3o2VE1qBVQNSL2tOH5bUerZINWkZSVmZIWeUaSU9wTJTENDVvT1NCYklacUYKk2FwRwRW9xa06ddMbmMzSGtQc3FWOTRgZ3ZUCXvMqkt2RUwzMFJnZlVzL2d2bDRWUzh6UG5pdENGWFReXNKKe9PQAAAQQBZtvvoZJo0trxhUZlQbaTsKtna9C5KVQ6pqy1pnsBpZXl8kXISRgoFnnbQxJlJwfw5qmNyN1i3hRTH09EyaCBqaLkNXZQ6TrKQSpEmnBwAYUKZeKXsUboOk4B4mwCr8aMAKzrTiEBTxbog+57cSaUy937Gkd+1jXCQrXP+oEU7gnXZVzE6oeRoroLct1fYn90k0CFskkTrbPTSjCigZ3rvTHyee747XQ9PRAvHax737T4UOEQZQ/Plib5QIWKbBRD5Y1POYVjTayoltTnWLMxEcAkATJZLHnpBEHST7kZWjrT561jdCReJc7a8Vjs/78HXvOly"}]
---

"Installing and getting license works"
- match: { license_status: "valid" }

- do:
  xpack.license.get: {}

## a license object has 11 attributes
- length: { license: 11 }

## bwc for licenses format
- do:
  xpack.license.post:
    acknowledge: true
    body: |
    "licenses": ["{"uid": "893361dc-9749-4997-3cb8-2e3d7faa48","type": "gold","issue_date_in_millis": 1411948800000,"expiry_date_in_millis": 1914278399999,"max_nodes": 1,"issued_to": "issued_to","issuer": "issuer","signature": "AAAAAwAAAA2T3vqdBBetKQaBgxipAAABmC9ZN0hjZDBGYnVryXpcOW5Bb3fjDAxOWpShTVoMVZwUzrVkdPsxkZxzZw51MhlTHNoN1N2MXmSrFlk4dJTXZx3R3RZ0pzU3loBWKZKzqVSEFva0ppTHbKwpZWSQ0I1NmRQ0kw1SlpLN0lDaZGC09SMXRGN3IIIZplYcYVTTnFrcTE2zhjZXmdFQrN3JQeGwxb0U0MXZ0dJHSEiRTVLOHnzSDByWnpoZEpZHEBEjUtVrXnSpmSsWjJZlO0DzVnmEzUjNiWktNpG5TuH5VQ2plaUo4Q1JUuml4MXNuL0pSOEhqAaVB2azhmUk9QVzhFeTFOm1Q0RnJXSG53MWk2K055c28zSmRnVkf1b2JSQkFLV2VXUmVHNDZ2R3o2VEIq

- match: { license_status: "valid" }

- do:
  xpack.license.get: {}

- length: { license: 11 }

## license version: 1.x
- do:
  xpack.license.post:
    acknowledge: true
    body: |
    "licenses": ["{"uid": "893361dc-9749-4997-3cb8-2e3d7faa48","type": "gold","issue_date_in_millis": 1411948800000,"expiry_date_in_millis": 1914278399999,"max_nodes": 1,"issued_to": "issued_to","issuer": "issuer","signature": "AAAAAwAAAA2T3vqdBBetKQaBgxipAAABmC9ZN0hjZDBGYnVryXpcOW5Bb3fjDAxOWpShTVoMVZwUzrVkdPsxkZxzZw51MhlTHNoN1N2MXmSrFlk4dJTXZx3R3RZ0pzU3loBWKZKzqVSEFva0ppTHbKwpZWSQ0I1NmRQ0kw1SlpLN0lDaZGC09SMXRGN3IIIZplYcYVTTnFrcTE2zhjZXmdFQrN3JQeGwxb0U0MXZ0dJHSEiRTVLOHnzSDByWnpoZEpZHEBEjUtVrXnSpmSsWjJZlO0DzVnmEzUjNiWktNpG5TuH5VQ2plaUo4Q1JUuml4MXNuL0pSOEhqAaVB2azhmUk9QVzhFeTFOm1Q0RnJXSG53MWk2K055c28zSmRnVkf1b2JSQkFLV2VXUmVHNDZ2R3o2VEIq

- match: { license_status: "valid" }

- do:
  xpack.license.get: {}

- length: { license: 11 }

## license version: 1.x
- do:
  xpack.license.post:
    acknowledge: true
body:

```json
["licenses":[{"uid":"893361dc-9749-4997-93cb-802e3d7fa4a8","type":"subscription","subscription_type":null,"issue_date_in_millis":1411948800000,"feature":null,"shield":null,"expiry_date_in_millis":1942783999999,"max_nodes":1,"issued_to":null,"issuer":null,"signature":null,"AAAALAQAALAA0LVAywwpSH94cyXr4zAAABMnC9ZN0ljZDBGYnVrXpCOW5Bb3FjZDAX0WpSbTvOMVZwUrzVxKl1PsmkaxaZxW5IMIlhTHNoN1N2MXmVRfk4d3JTZE3R3RRZ0pzU3lobWJKZnQvSEFva0ppTHBkWkprZWZSQi9NmRQkw1SlpLN0ldalZCS059M5RXGN11lZlpYcVVTmFrcTE2dhZhZMzdQFq3NJGQwxb0U0MXZodDJHESERITZTVLOHNzSDByWapoZehpZHBEZjUrTVBxRENNXSxNWWjZllaOdDzVmEuzUJniWktNWGm5TUhQ2vplaaU0q1JOUm4MXNuL0pSOehQaVB2azhmU9qVZhfFeToFIQ0rnJXG53XMWk24K55c28zSmRnVKeFjb2JSQkFLV2VXumVHNDZ2R3o2VE1qbNVQ52lxOH5bUERZINIKWZSMvZIWEAtuSAW5TJTNEDVTVtNCYklacUYyK2FWr9xa066DdmMbMzGQcFeFWOTgzZ3ZUCxMvQk2RUZwMFJnZzlvL2d2bDRWUzh6UG5pdENGWFReXNNKKe9PQAAAQA4qscCURRZVdFOLogy9dqy9yEQLW8YLiKiyPV5XHHHdtk+dztLeplNEDkJUXSx2waVjNRF8/4kqpdFwNoD2TUM8fTgifiSiZYGDTGTST+yVw5eAeEUI5Jv1iBN27bkwqL+V4YAA00tc7NKNKwjsCWAHIU3Vf8chPkiGHE0kQgWvPC9RE82pTw0s6/urRPIIGNFIqPM0uE5nuRfVtrt899jOiOKA/7zyFbo7VNTXsQz77Tz7zWBCPKiljptXzcWuk0kQ5S+sRoJNYBo3HGHzkCrVszRz/55ceNtjdkKXUu1wnSeir4I/KLdQuQTtFLy0+1th87VS8T88UT"}]
```

- match: { license_status: "valid" }

- do:
  - xpack.license.get: {}

- length: { license: 11 }

## multiple licenses version: 1.x

- do:
  - xpack.license.post:
    acknowledge: true
    body: |
    ```json
    ["licenses":[{"uid":"893361dc-9749-4997-93cb-802e3d7fa4a8","type":"subscription","subscription_type":null,"issue_date_in_millis":1411948800000,"feature":null,"shield":null,"expiry_date_in_millis":1440892799999,"max_nodes":1,"issued_to":null,"issuer":null,"signature":null,"AAAALAQAALAA0Q4ky3rFyyWLFkyEtEAAABMnC9ZN0ljZDBGYnVrXpCOW5Bb3FjZDAX0WpSbTvOMVZwUrzVxKl1PsmkaxaZxW5IMIlhTHNoN1N2MXmVRfk4d3JTZE3R3RRZ0pzU3lobWJKZnQvSEFva0ppTHBkWkprZWZSQi9NmRQkw1SlpLN0ldalZCS059M5RXGN11lZlpYcVVTmFrcTE2dhZhZMzdQFq3NJGQwxb0U0MXZodDJHESERITZTVLOHNzSDByWapoZehpZHBEZjUrTVBxRENNXSxNWWjZllaOdDzVmEuzUJniWktNWGm5TUhQ2vplaaU0q1JOUm4MXNuL0pSOehQaVB2azhmU9qVZhfFeToFIQ0rnJXG53XMWk24K55c28zSmRnVKeFjb2JSQkFLV2VXumVHNDZ2R3o2VE1qbNVQ52lxOH5bUERZINIKWZSMvZIWEAtuSAW5TJTNEDVTVtNCYklacUYyK2FWr9xa066DdmMbMzGQcFeFWOTgzZ3ZUCxMvQk2RUZwMFJnZzlvL2d2bDRWUzh6UG5pdENGWFReXNNKKe9PQAAAQA4qscCURRZVdFOLogy9dqy9yEQLW8YLiKiyPV5XHHHdtk+dztLeplNEDkJUXSx2waVjNRF8/4kqpdFwNoD2TUM8fTgifiSiZYGDTGTST+yVw5eAeEUI5Jv1iBN27bkwqL+V4YAA00tc7NKNKwjsCWAHIU3Vf8chPkiGHE0kQgWvPC9RE82pTw0s6/urRPIIGNFIqPM0uE5nuRfVtrt899jOiOKA/7zyFbo7VNTXsQz77Tz7zWBCPKiljptXzcWuk0kQ5S+sRoJNYBo3HGHzkCrVszRz/55ceNtjdkKXUu1wnSeir4I/KLdQuQTtFLy0+1th87VS8T88UT"}]
```

- match: { license_status: "valid" }

- do:
  - xpack.license.post:
    body: |
    ```json
    ["licenses":[{"uid":"893361dc-9749-4997-93cb-802e3d7fa4a8","type":"internal","subscription_type":null,"issue_date_in_millis":1443484800000,"feature":null,"shield":null,"expiry_date_in_millis":1914278399999,"max_nodes":1,"issued_to":null,"issuer":null,"signature":null,"AAAALAQAALAA0Q4ky3rFyyWLFkyEtEAAABMnC9ZN0ljZDBGYnVrXpCOW5Bb3FjZDAX0WpSbTvOMVZwUrzVxKl1PsmkaxaZxW5IMIlhTHNoN1N2MXmVRfk4d3JTZE3R3RRZ0pzU3lobWJKZnQvSEFva0ppTHBkWkprZWZSQi9NmRQkw1SlpLN0ldalZCS059M5RXGN11lZlpYcVVTmFrcTE2dhZhZMzdQFq3NJGQwxb0U0MXZodDJHESERITZTVLOHNzSDByWapoZehpZHBEZjUrTVBxRENNXSxNWWjZllaOdDzVmEuzUJniWktNWGm5TUhQ2vplaaU0q1JOUm4MXNuL0pSOehQaVB2azhmU9qVZhfFeToFIQ0rnJXG53XMWk24K55c28zSmRnVKeFjb2JSQkFLV2VXumVHNDZ2R3o2VE1qbNVQ52lxOH5bUERZINIKWZSMvZIWEAtuSAW5TJTNEDVTVtNCYklacUYyK2FWr9xa066DdmMbMzGQcFeFWOTgzZ3ZUCxMvQk2RUZwMFJnZzlvL2d2bDRWUzh6UG5pdENGWFReXNNKKe9PQAAAQA4qscCURRZVdFOLogy9dqy9yEQLW8YLiKiyPV5XHHHdtk+dztLeplNEDkJUXSx2waVjNRF8/4kqpdFwNoD2TUM8fTgifiSiZYGDTGTST+yVw5eAeEUI5Jv1iBN27bkwqL+V4YAA00tc7NKNKwjsCWAHIU3Vf8chPkiGHE0kQgWvPC9RE82pTw0s6/urRPIIGNFIqPM0uE5nuRfVtrt899jOiOKA/7zyFbo7VNTXsQz77Tz7zWBCPKiljptXzcWuk0kQ5S+sRoJNYBo3HGHzkCrVszRz/55ceNtjdkKXUu1wnSeir4I/KLdQuQTtFLy0+1th87VS8T88UT"}]
```
```
```
kWkprZWZSQi9iNmRQNkw1SlpLNOIdaLSZC09S5MXRGN1liZIyYcVVTTFTh2d4hIYmZmdFQrN3JQGwbxboU0MXZ0dDHJsErIzTVLOHzSBdWnopnZEphZHBEZJzUrTVBSRENNSXNsWWjZjZla0DzdVmeZujUNiWtkN
WGM5TUhQV2plaUo4Q1IOUml4MXXNuLo5POehGaVB2azhmUk9QVzhFeTfOM1Q0RnIJSG53MWl2K055c2
8ZSmRnVkFb12I5QkFLV2VXUmVHNDZ23o2VE1qbpVQNQ52IxOHN5bUErzI1NIWkZMVniZJWetaSU9wTTJEN
DvVaT1NCYYlacUyYk2FwRw9x0a6FddMbmmzSGtQc3FWOTgZ3ZUeXMqKt2RUXwMFJnZxL2d2bDRW
UzhsJG5pdENGWFReXKNNKe9FQAAMCQ94du0p0nDZR3Uuypi0c3QI+vQ+v+8u7d9Ga5n1qljchDhb7H
viBJEjK7+tnVpLo/Px/x7BzSvVY1PFVr+l6rYx1yuHEgqWxnx/XvdrRCjCaZM6tx0b4dZCpV6ebn2Mmk89KHC
/PwILSpfFqFqWv/Pkpa8k2A30RJnvYSVvXhe66cs8dc4ebreXqrZjwWhsCZSpqzQBFXngDv2O0hUpGluere
rzD0J5dELZSA1DODqvO9OJvjeSHyRqe1L5QRUNdXPVfS+EAG0Dd1cNdI/sMpYCPnVjJ6i2iq2/YgM3cuutzS
VBY7ij4WnoP3ce7Zs9TwhHn+IqzfTc6")

- match: { license_status: "valid" }

- do:
  xpack.license.get: {}

- length: { license: 11 }
- match: { license.uid: "893361dc-9749-4997-93cb-802e3dofh7aa" }

---

"Should throw 404 after license deletion":
- do:
  xpack.license.delete: {}

- do:
  xpack.license.get: {}
  catch: missing

---

"Should install a feature type license."

# VERSION_NO_FEATURE_TYPE license version
- do:
  xpack.license.post:
    acknowledge: true
    body: |
    "license": |
    "uid": "893361dc-9749-4997-93cb-802e3d7fa4a8","type": "gold","issue_date_in_millis":1411948800000,"expiry_date_in_millis":1914278399999,"max_nodes":1,"issued_to":{},"issuer":{},"signature":{
"AAAgAAAA3A38+Ymynwvc+CwsvINrAAABmC9ZN0hjZDBGYmVycXRpCOW5Bb3FjZDAxOWpSBwMTvMwUzRxVkh1PSmkxaxZdW5IMhhTHNo1N1
2MXMvRbFk4d3ITZEx3R5RRZ0puzU3loWJKZQvQSVFeVp0ppHTBhkw6ZQS9191mQRNkw1SlpLNOIdaLSZC095TURGNS11izlpYcVVTTFTh2d4hIYmZmdFQrN3JQGwbxboU0MXZ0dDHJsErIzTVLOHzSBdWnopnZEphZHBEZJzUrTVBSRENNSXNsWWjZjZla0DzdVmeZujUNiWtkN
WGM5TUhQV2plaUo4Q1IOUml4MXXNuLo5POehGaVB2azhmUk9QVzhFeTfOM1Q0RnIJSG53MWl2K055c2
8ZSmRnVkFb12I5QkFLV2VXUmVHNDZ23o2VE1qbpVQNQ52IxOHN5bUErzI1NIWkZMVniZJWetaSU9wTTJEN
DvVaT1NCYYlacUyYk2FwRw9x0a6FddMbmmzSGtQc3FWOTgZ3ZUeXMqKt2RUXwMFJnZxL2d2bDRW
UzhsJG5pdENGWFReXKNNKe9FQAAMCQ94du0p0nDZR3Uuypi0c3QI+vQ+v+8u7d9Ga5n1qljchDhb7H
viBJEjK7+tnVpLo/Px/x7BzSvVY1PFVr+l6rYx1yuHEgqWxnx/XvdrRCjCaZM6tx0b4dZCpV6ebn2Mmk89KHC
/PwILSpfFqFqWv/Pkpa8k2A30RJnvYSVvXhe66cs8dc4ebreXqrZjwWhsCZSpqzQBFXngDv2O0hUpGluere
rzD0J5dELZSA1DODqvO9OJvjeSHyRqe1L5QRUNdXPVfS+EAG0Dd1cNdI/sMpYCPnVjJ6i2iq2/YgM3cuutzS
VBY7ij4WnoP3ce7Zs9TwhHn+IqzfTc6" }}
9f7GbBQ3l93P+PogInPFeEH9NvOmaAQovmxVM9SE6DsDqIXcXSO+bgWpXPTdLmpoQc1fx6dBZ8GeuyYp
VH1Vkp9hVUt0AYjw6HzYOE7+zu01oJYVoElqy66AnIfkVHrvni+flym3tE7dTgsDRaz7W3iBhaqiStnEqabEkvH
dPHQdSR99XGaEvhIO1paK01/35iZF6OXHsF7CCj+558GRXiVxzureOe7TsGSS8g7YjZwV9bRCyU7oB4B/nidg1

- match: { license_status: "valid" }

- do:
  xpack.license.get: {}

- length: { license: 11 }
  ---
  "Cannot start basic":

- do:
  catch: bad_request
  xpack.license.post:
    acknowledge: true
    body: |
    
    "license":{"uid":"893361dc-9749-4997-93c8-802e3d7fa4a8","type":"basic","issue_date_in_millis":1411948800000,"expiry_date_in_millis":1914273999999,"max_nodes":1,"issued_to":"issuedTo","issuer":"issuer","signature":"AAAAAgAAAA0lKPZ0a7aZquUltho/AAABmC9ZN0hjZDBGYnVvYRXptCOW5Bb3FjZDAxOWpSBvTOvMVZwuRvXk1PSmkxaxZdDW51MhiTHNnO1N2MXMvRFk4d3JTZEx3R3RZ0pzU3loWJKZnQuSFEvaoOpTHBkwkprZWZQ9ifiNmRQNkw1SipLM01DalZCSO95MRXRGN1IIZlpyVCVVTTnFrcTE2dzhLZmZrDFQRn3JQeGwxbhU0MXZ0dDlHSErZTVLOHntSDByWnpoZEpHzHBEZjUrTVbXRENNSXsWWjZlalODdzVmEuzUjNiWktnWmG5TUhqQV2plaUo4Q1JOuml4MXNuL0pSOEhQa
VB2azhmUl9QVzhFeTFoMiQ0RaJXSG5M3WkX205cz28zSmRnVF1b2JSQkFLV2XYmVHND2R3o2VE1q
bVQNS2lxOH5vbUErZINXkZsVmZIWExaSU9wTTJENDVvT1NCYklacUYyK2FwR79xao6q6dIbMmMzSZGiq
3cFWOTtzZ3ZUCmXVqkt2RUzwMFIznZllxL2d2bDRWUzhU6G5pdENGWFrnXNKNE9PQAQAQAALuQ44
S3I6sZolcXV16Z4CICXORDrYQ+wdLCEeY0XdujTs1AOj+k+vNgo6wauc7Uswi01esHu4lb5lgpvKy7RRCbhb5b/jz2
ub2qMlqqpp9BQyD7VQijVqmG6seUMJwJ1a5u9vm9r41YPSPcrii3bKK2e116jK6N8ibCvntY/XkYGClhBWT
SJePDbg6ErbyodrZ37x15LbPWCnAkmuweyH1jDnVYnbeZ07A3NmubXZjW7tf8/YwQyE00PqMcl7fVPY3hik
KpAEhf8aajbqkyKbyqZuERE3EWX7ZxLvbiNdNg8aXr7YrQcYwWgptYQpfV+D7yEJ4j5mAEoler"}"

- match: { error.root_cause.0.reason: 'Installing basic licenses is no longer allowed. Use the POST /_xpack/license/start_basic API to install a basic license that does not expire.' }

---

"Should fail gracefully when body content is not provided":

- do:
  catch: bad_request
  xpack.license.post:
    acknowledge: true
    body: |
    
    "license":{}

- match: { error.root_cause.0.reason: 'The license must be provided in the request body' }

---

"Current license means trial does not eligible to start trial":

- match: { error.root_cause.0.reason: 'The license must be provided in the request body' }

---
- do:
  xpack.license.get_trial_status: {}

- match: { eligible_to_start_trial: false }

- do:
  xpack.license.post_start_basic:
    acknowledge: true

- match: { basic_was_started: true }

- do:
  xpack.license.get_trial_status: {}

- match: { eligible_to_start_trial: false }

- do:
  catch: forbidden
  xpack.license.post_start_trial:
    acknowledge: true

- match: { trial_was_started: false }
- match: { error_message: "Operation failed: Trial was already activated." }  

---

"Trial license cannot be basic":
- do:
  catch: bad_request
  xpack.license.post_start_trial:
    type: "basic"
    acknowledge: true

---

"Can start basic license if do not already have basic":
- do:
  xpack.license.get_basic_status: {}

- match: { eligible_to_start_basic: true }

- do:
  xpack.license.post_start_basic:
    acknowledge: true

- match: { basic_was_started: true }
- match: { acknowledged: true }

- do:
  xpack.license.get_basic_status: {}

- match: { eligible_to_start_basic: false }
- do:
  catch: forbidden
  xpack.license.post_start_basic: {}

- match: { basic_was_started: false }
- match: { acknowledged: true }
- match: { error_message: "Operation failed: Current license is basic." }

"Must acknowledge to start basic":
- do:
  xpack.license.post_start_basic: {}

- match: { basic_was_started: false }
- match: { acknowledged: false }
- match: { error_message: "Operation failed: Needs acknowledgement." }

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LIBGCRYPT Werner Dittmann 2009-05-20
Assigns Past and Future Changes
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(mpi/amd64, tests/mpitests.c)

GNUPG David Shaw
Assigns past and future changes.
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(cipher/camellia-glue.c and related stuff)

LIBGCRYPT Andrey Jivsov 2010-12-09
Assigns Past and Future Changes
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(cipher/ecc.c and related files)
LIBGCRYPT  Ulrich Müller  2012-02-15
Assigns Past and Future Changes
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(Changes to cipher/idea.c and related files)

LIBGCRYPT  Vladimir Serbinenko  2012-04-26
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(cipher/serpent.c)

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The ECC code cipher/ecc.c was based on code by Sergi Blanch i Torne, sergi at calcurco dot org.

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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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## 1.1241 libgdbm-compat4 1.14.1 6

### 1.1241.1 Available under license:

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**Upstream-Name:** gdbm

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

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

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

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

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

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

c) Accompany the work with a written offer, valid for at least
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Subsection 6a, above, for a charge no more than the cost of
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d) If distribution of the work is made by offering access to copy
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reproducing the executable from it. However, as a special exception,
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which the executable runs, unless that component itself accompanies
the executable.

It may happen that this requirement contradicts the license
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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.

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

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

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

HISTORY -

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

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

Some other contributors:

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

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood. Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Peterson(jep@mitiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(agg@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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b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at
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specified in Subsection 6a, above, for a charge no more
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specified materials from the same place.

e) Verify that the user has already received a copy of these
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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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^L
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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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package gnu.classpath.tools.taglets;

import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.javadoc.Tag;

/**
 * A simple Taglet which handles Copyright information.
 */
public class CopyrightTaglet implements Taglet {

    private static final String NAME = "copyright";
    private static final String HEADER = "Copyright:";

    public String getName() {
        return NAME;
    }

    public boolean inField() {
        return true;
    }

    public boolean inConstructor() {
        return true;
    }

    public boolean inMethod() {
        return true;
    }
}
public boolean inOverview() {
return true;
}
public boolean inPackage() {
return true;
}
public boolean inType() {
return true;
}
public boolean isInlineTag() {
return false;
}
public static void register(Map tagletMap) {
CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
}
public String toString(Tag tag) {
return toString(new Tag[] { tag });
}
public String toString(Tag[] tags) {
if (tags.length == 0) {
return null;
}
else {
boolean haveValidTag = false;
for (int i = 0; i < tags.length && !haveValidTag; ++i) {
if (tags[i].text().length() > 0) {
haveValidTag = true;
}
}
if (haveValidTag) {
StringBuffer result = new StringBuffer();
result.append("<dl>");
for (int i = 0; i < tags.length; i++) {
if (tags[i].text().length() > 0) {
result.append("<dt><i>Copyright &#169; " + tags[i].text() + "</i></dt>");
}
}
result.append("</dl>");

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return result.toString();
}
else {
    return null;
}
}
}

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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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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.

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

That's all there is to it!

// DO NOT EDIT THIS FILE - it is machine generated -*- c++ -*-

#ifndef __java_security_Permission__
define __java_security_Permission__
#pragma interface

#include <java/lang/Object.h>
extern "Java"
{
namespace java
{
namespace security
{
    class Permission;
    class PermissionCollection;
}
}
}

class java::security::Permission : public java::lang::Object
{
public:
    Permission(::java::lang::String *);
    virtual void checkGuard(::java::lang::Object *);
    virtual jboolean implies(::java::security::Permission *) = 0;
    virtual jboolean equals(::java::lang::Object *) = 0;
    virtual jint hashCode() = 0;
    virtual ::java::lang::String * getName();
    virtual ::java::lang::String * getActions() = 0;
    virtual ::java::security::PermissionCollection * newPermissionCollection();
    virtual ::java::lang::String * toString();
private:
    static const jlong serialVersionUID = -5636570222231596674LL;
    ::java::lang::String * __attribute__((aligned(__alignof__(::java::lang::Object)))) name;
public:
    static ::java::lang::Class class$;
};
#endif // __java_security_Permission__
@ignore
@c Set file name and title for man page.
@setfilename gpl
@settitle GNU General Public License
@c man begin SEEALSO
 gfdl(7), fsf-funding(7).
c man end
@c man begin COPYRIGHT
 Copyright @copyright{} 2007 Free Software Foundation, Inc.
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 license document, but changing it is not allowed.
c man end
@end ignore
@node Copying
@c man begin DESCRIPTION
@unnumbered GNU General Public License
@center Version 3, 29 June 2007

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@enumerate 0
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@enumerate a
@item
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@end enumerate

@item
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@item
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@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.

@item
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@end c man end
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package java.security;

import gnu.java.lang.CPStringBuilder;

import java.io.Serializable;

/**
 * This class is the abstract superclass of all classes that implement
 * the concept of a permission.  A permission consists of a permission name
 * and optionally a list of actions that relate to the permission.  The
 * actual meaning of the name of the permission is defined only in the
* context of a subclass. It may name a resource to which access permissions
* are granted (for example, the name of a file) or it might represent
* something else entirely. Similarly, the action list only has meaning
* within the context of a subclass. Some permission names may have no
* actions associated with them. That is, you either have the permission
* or you don't.
*<p>The most important method in this class is <code>implies</code>. This
* checks whether if one has this permission, then the specified
* permission is also implied. As a conceptual example, consider the
* permissions "Read All Files" and "Read File foo". The permission
* "Read All Files" implies that the caller has permission to read the
* file foo.
*<p><code>Permission</code>'s must be immutable - do not change their
* state after creation.
*<p>@author Aaron M. Renn (arenn@urbanophile.com)
* @see Permissions
* @see PermissionCollection
* @since 1.1
* @status updated to 1.4
*/
public abstract class Permission implements Guard, Serializable
{
/**
 * Compatible with JDK 1.1+
 */
private static final long serialVersionUID = -5636570222231596674L;

/**
 * This is the name assigned to this permission object.
 *
 * @serial the name of the permission
 */
private String name;

/**
 * Create an instance with the specified name.
 *
 * @param name the permission name
 */
public Permission(String name)
{
this.name = name;
}

/**
* This method implements the `<code>Guard</code>` interface for this class.
* It calls the `<code>checkPermission</code>` method in
* `<code>SecurityManager</code>` with this `<code>Permission</code>` as its
* argument. This method returns silently if the security check succeeds
* or throws an exception if it fails.
* 
* @param obj the `<code>Object</code>` being guarded - ignored by this class
* @throws SecurityException if the security check fails
* @see GuardedObject
* @see SecurityManager#checkPermission(Permission)
*/
public void checkGuard(Object obj)
{
    SecurityManager sm = System.getSecurityManager();
    if (sm != null)
        sm.checkPermission(this);
}

/**
* This method tests whether this `<code>Permission</code>` implies that the
* specified `<code>Permission</code>` is also granted.
* 
* @param perm the `<code>Permission</code>` to test against
* @return true if perm is implied by this
*/
public abstract boolean implies(Permission perm);

/**
* Check to see if this object equals obj. Use `<code>implies</code>`, rather
* than `<code>equals</code>`, when making access control decisions.
* 
* @param obj the object to compare to
*/
public abstract boolean equals(Object obj);

/**
* This method returns a hash code for this `<code>Permission</code>`. It
* must satisfy the contract of `<code>Object.hashCode</code>`: it must be
* the same for all objects that equals considers to be the same.
* 
* @return a hash value
*/
public abstract int hashCode();

/**
* Get the name of this `<code>Permission</code>`.
* 
* @return the name
public final String getName()
{
    return name;
}

public abstract String getActions();

public PermissionCollection newPermissionCollection()
{
    return null;
}

public String toString()
{
    CPStringBuilder string = new CPStringBuilder();

    string = string.append('(');
    string = string.append(getClass().getName());
    string = string.append(' ');
    string = string.append(getName());
    string = string.append(' ');
    string = string.append(getActions());
    string = string.append(')');

    return string.toString();
}
if (!(getActions().equals("")))
{
    string = string.append(' ');
    string = string.append(getActions());
}

string = string.append('));
return string.toString();

} // class Permission

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<screen>
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<para>
</appendix>

#!/usr/bin/python
#
# Copyright (C) 2013 Free Software Foundation, Inc.
#
# This script is free software; you can redistribute it and/or modify
# it under the terms of the GNU General Public License as published by
# the Free Software Foundation; either version 3, or (at your option)
# any later version.
#
# This script adjusts the copyright notices at the top of source files
# so that they have the form:
#
# Copyright XXXX-YYYY Free Software Foundation, Inc.
#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
#    update-copyright.pl --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
#    update-copyright.pl --this-year libjava
#
# would run the script on just libjava/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__(self):
        self.num_errors = 0

def report(self, filename, string):
    if filename:
        string = filename + ':' + string
    sys.stderr.write(string + '
')
    self.num_errors += 1

def ok(self):
    return self.num_errors == 0
class GenericFilter:
    def __init__(self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set([
            # Skip licence files.
            'COPYING',
            'COPYING.LIB',
            'COPYING3',
            'COPYING3.LIB',
            'LICENSE',
            'fdl.texi',
            'gpl_v3.texi',
            'fdl-1.3.xml',
            'gpl-3.0.xml',

            # Skip auto- and libtool-related files
            'aclocal.m4',
            'compile',
            'config.guess',
            'config.sub',
            'decomp',
            'install-sh',
            'libtool.m4',
            'ltmain.sh',
            'ltoptions.m4',
            'lttsugar.m4',
            'ltversion.m4',
            'lt~obsolete.m4',
            'missing',
            'mkdep',
            'mkinstalldirs',
            'move-if-change',
            'shlibpath.m4',
            'symmlink-tree',
            'y1wrap',

            # Skip FSF mission statement, etc.
            'gnu.texi',
            'funding.texi',
            'appendix_free.xml',

            # Skip imported texinfo files.
            'texinfo.tex',
        ])

def get_line_filter(self, dir, filename):
    if filename.startswith('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile(r'\t')
    return None

def skip_file(self, dir, filename):
    if filename in self.skip_files:
        return True
    (base, extension) = os.path.splitext(os.path.join(dir, filename))
    if extension in self.skip_extensions:
        return True
    if extension == '.in':
        # Skip .in files produced by automake.
        if os.path.exists(base + '.am'):
            return True
    # Skip files produced by autogen
    if (os.path.exists(base + '.def')
        and os.path.exists(base + '.tpl')):
        return True
    # Skip configure files produced by autoconf
    if filename == 'configure':
        if os.path.exists(base + '.ac'):
            return True
        if os.path.exists(base + '.in'):
            return True
    return False

def skip_dir(self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file(self, dir, filename):
    if filename in self.fossilised_files:
        return True
    # Only touch current ChangeLogs.
    if filename != 'ChangeLog' and filename.find('ChangeLog') >= 0:
        return True
    return False
def by_package_author(self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__(self, errors):
        self.errors = errors

        # Characters in a range of years. Include '.' for typos.
        ranges = '[0-9]{2,}(-0-9,.\s+and\s+)*[0-9]{2,}]

        # Non-whitespace characters in a copyright holder's name.
        name = '[\w.,-]'

        # Matches one year.
        self.year_re = re.compile('[0-9]+')

        # Matches part of a year or copyright holder.
        self.continuation_re = re.compile(ranges + '[0-9]+')

        # Matches a full copyright notice:
        self.copyright_re = re.compile(
            # 1: 'Copyright (C)', etc.
            '(\[Cc\]opyright\(C\)\)|\[Cc\]opyrights+\(Cc\))|\[Cc\]opyrights+%s'
            '[Cc]opyrights+&copy;'\n            '[Cc]opyrights+@copyright{ }'
            '\copyright = u\"'
            '@set{copyright\[w-\]+}''

        # 2: the years. Include the whitespace in the year, so that
        # we can remove any excess.
        '\s*\(' + ranges + '.*\)'\n        '\@value\{[^\}]*\}\s*')

        # 3: 'by ', if used
        '\(by\s+\)''

        # 4: the copyright holder. Don't allow multiple consecutive
        # spaces, so that right-margin gloss doesn't get caught
        # (e.g. gnat_ugn.texi).
        '\(\s*' + name + '\(\s*' + name + '\)*'?

        # A regexp for notices that might have slipped by. Just matching
        # 'copyright' is too noisy, and 'copyright.*\[0-9\]' falls foul of
        # HTML header markers, so check for 'copyright' and two digits.
        self.other_copyright_re = re.compile('copyright.*\[0-9\][0-9]',
                                              re.IGNORECASE)
self.comment_re = re.compile('#+|[*]+|:+|%=//+[@c dnl ]
self.holders = {'@copying': '@copying'}
self.holder_prefixes = set()

# True to 'quilt add' files before changing them.
self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s). Could be ', '.
self.separator = '

def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find (' ')
    while index >= 0:
        self.holder_prefixes.add (holder[:index])
        index = holder.find (' ', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__ (self, year):
        self.year = year

    def __str__ (self):
        return 'unrecognised year: ' + self.year

    def parse_year (self, string):
        year = int (string)
        if len (string) == 2:
            if year > 70:
                return year + 1900
            elif len (string) == 4:
                return year
            raise self.BadYear (string)
        else:
            raise self.BadYear (string)

    def year_range (self, years):
        year_list = [self.parse_year (year)
                     for year in self.year_re.findall (years)]
        assert len (year_list) > 0
        return (min (year_list), max (year_list))

    def set_use_quilt (self, use_quilt):

self.use_quilt = use_quilt

def include_year (self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years (self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith('@value'):
        return years
    (min_year, max_year) = self.year_range(years)

    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file(dir, filename):
        max_year = max(max_year, self.max_year)

    # Use a range.
    if min_year == max_year:
        return '%d' % min_year
    else:
        return '%d-%d' % (min_year, max_year)

def strip_continuation (self, line):
    line = line.lstrip()
    match = self.comment_re.match(line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete (self, match):
    holder = match.group(4)
    return (holder
        and (holder not in self.holder_prefixes
            or holder in self.holders))

def update_copyright (self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join(dir, filename)

    intro = match.group(1)
    if intro.startswith('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end(2):].strip()
        if after_years != '':
            self.errors.report (pathname,
                'trailing characters in @set:'

+ after_years)
    return (False, orig_line, next_line)
else:
    # If it looks like the copyright is incomplete, add the next line.
    while not self.is_complete (match):
        try:
            next_line = file.next()
        except StopIteration:
            break

    # If the next line doesn't look like a proper continuation,
    # assume that what we've got is complete.
    continuation = self.strip_continuation (next_line)
    if not self.continuation_re.match (continuation):
        break

    # Merge the lines for matching purposes.
    orig_line += next_line
    line = line.rstrip() + ' ' + continuation
    next_line = None

    # Rematch with the longer line, at the original position.
    match = self.copyright_re.match (line, match.start())
    assert match
    holder = match.group (4)

    # Use the filter to test cases where markup is getting in the way.
    if filter.by_package_author (dir, filename):
        assert holder not in self.holders

    elif not holder:
        self.errors.report (pathname, 'missing copyright holder')
        return (False, orig_line, next_line)

    elif holder not in self.holders:
        self.errors.report (pathname, 'unrecognised copyright holder: ' + holder)
        return (False, orig_line, next_line)

    else:
        # See whether the copyright is associated with the package
        # author.
        canon_form = self.holders[holder]
        if not canon_form:
            return (False, orig_line, next_line)

        # Make sure the author is given in a consistent way.
line = (line[:match.start (4)]
    + canon_form
    + line[match.end (4):])

    # Remove any 'by'
    line = line[:match.start (3)] + line[match.end (3):]

    # Update the copyright years.
    years = match.group (2).strip()
    try:
        canon_form = self.canonicalise_years (dir, filename, filter, years)
        except self.BadYear as e:
            self.errors.report (pathname, str (e))
            return (False, orig_line, next_line)
    line = (line[:match.start (2)]
        + ('' if intro.startswith ('copyright = ') else ' ')
        + canon_form + self.separator
        + line[match.end (2):])

    # Use the standard (C) form.
    if intro.endswith ('right'):
        intro += ' (C)'
    elif intro.endswith ('(c)'):
        intro = intro[:-3] + '(C)'
    line = line[:match.start (1)] + intro + line[match.end (1):]

    # Strip trailing whitespace
    line = line.rstrip() + '

    return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)
        except OSError:
            pass
        return
    lines = []
    changed = False
    line_filter = filter.get_line_filter (dir, filename)
    with open (pathname, 'r') as file:
        prev = None
        for line in file:

while line:
    next_line = None
    # Leave filtered-out lines alone.
    if not (line_filter and line_filter.match(line)):
        match = self.copyright_re.search(line)
        if match:
            res = self.update_copyright(dir, filename, filter,
                                         file, line, match)
            (this_changed, line, next_line) = res
            changed = changed or this_changed

    # Check for copyright lines that might have slipped by.
    elif self.other_copyright_re.search(line):
        self.errors.report(pathname,
                           'unrecognised copyright: %s'
                           % line.strip())
        lines.append(line)
        line = next_line

    # If something changed, write the new file out.
    if changed and self.errors.ok():
        tmp_pathname = pathname + '.tmp'
        with open(tmp_pathname, 'w') as file:
            for line in lines:
                file.write(line)
        if self.use_quilt:
            subprocess.call(['quilt', 'add', pathname])
        os.rename(tmp_pathname, pathname)

def process_tree(self, tree, filter):
    for (dir, subdirs, filenames) in os.walk(tree):
        # Don't recurse through directories that should be skipped.
        for i in xrange(len(subdirs) - 1, -1, -1):
            if filter.skip_dir(dir, subdirs[i]):
                del subdirs[i]

        # Handle the files in this directory.
        for filename in filenames:
            if filter.skip_file(dir, filename):
                sys.stdout.write('Skipping %s
' % os.path.join(dir, filename))
            else:
                self.process_file(dir, filename, filter)

class CmdLine:
    def __init__(self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright(self.errors)
self.dirs = []
self.default_dirs = []
self.chosen_dirs = []
self.option_handlers = dict()
self.option_help = []

self.add_option ('--help', 'Print this help', self.o_help)
self.add_option ('--quilt', '"quilt add" files before changing them',
    self.o_quilt)
self.add_option ('--this-year', 'Add the current year to every notice',
    self.o_this_year)

def add_option (self, name, help, handler):
    self.option_help.append ((name, help))
    self.option_handlers[name] = handler

def add_dir (self, dir, filter = GenericFilter()):
    self.dirs.append ((dir, filter))

def o_help (self, option = None):
    sys.stdout.write ('Usage: %s [options] dir1 dir2...\n\n' % sys.argv[0])
    'Options:\n' % sys.argv[0])
    format = '%-15s %s\n'
    for (what, help) in self.option_help:
        sys.stdout.write (format % (what, help))
    sys.stdout.write ('
Directories:\n')
    format = '%-25s
'
    i = 0
    for (dir, filter) in self.dirs:
        i += 1
        if i % 3 == 0 or i == len (self.dirs):
            sys.stdout.write (dir + '\n')
        else:
            sys.stdout.write (format % dir)
    sys.exit (0)

def o_quilt (self, option):
    self.copyright.set_use_quilt (True)

def o_this_year (self, option):
    self.copyright.include_year (time.localtime().tm_year)

def main (self):
    for arg in sys.argv[1:]:
        if arg[1] != '-':
            self.chosen_dirs.append (arg)
        elif arg in self.option_handlers:
self.option_handlers[arg] (arg)

else:
    self.errors.report (None, 'unrecognised option: ' + arg)

if self.errors.ok():
    if len (self.chosen_dirs) == 0:
        self.chosen_dirs = self.default_dirs
    if len (self.chosen_dirs) == 0:
        self.o_help()
    else:
        for chosen_dir in self.chosen_dirs:
            canon_dir = os.path.join (chosen_dir, '')
            count = 0
            for (dir, filter) in self.dirs:
                if (dir + os.sep).startswith (canon_dir):
                    count += 1
                self.copyright.process_tree (dir, filter)
            if count == 0:
                self.errors.report (None, 'unrecognised directory: ' + chosen_dir)

sys.exit (0 if self.errors.ok() else 1)

#--------------------------------------------------------------------------------

class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True

class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    def skip_file (self, dir, filename):
        if filename.endswith ('.m4'):
            pathname = os.path.join (dir, filename)
            with open (pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find ('gettext-') >= 0:
                    return True
            return GenericFilter.skip_file (self, dir, filename)

class GCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set ([
            # Not part of GCC
            'math-68881.h',
        ])
self.skip_dirs |= set([
    '# Better not create a merge nightmare for the GNAT folks.
    'ada',

    '# Handled separately.
    'testsuite',
])

self.skip_extensions |= set([
    '# Maintained by the translation project.
    '.po',

    '# Automatically-generated.
    '.pot',
])

self.fossilised_files |= set([
    '# Old news won't be updated.
    'ONEWS',
])

class TestsuiteFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set([
            '# Don’t change the tests, which could be woend by anyone.
            '.c',
            '.C',
            '.cc',
            '.h',
            '.hs',
            '.f',
            '.f90',
            '.go',
            '.inc',
            '.java',
        ])

        def skip_file (self, dir, filename):
            # g++.niklas/README contains historical copyright information
            # and isn’t updated.
            if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
                return True
            return GenericFilter.skip_file (self, dir, filename)

    class LibCppFilter (GenericFilter):
def __init__ (self):
    GenericFilter.__init__ (self)

    self.skip_extensions |= set (
        # Maintained by the translation project.
        '.po',
        
        # Automatically-generated.
        '.pot',
    )

class LibGCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set (
            # Imported from GLIBC.
            'soft-fp',
        )

class LibJavaFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set (
            # Handled separately.
            'testsuite',
            
            # Not really part of the library
            'contrib',
            
            # Imported from upstream
            'classpath',
            'libltdl',
        )

def get_line_filter (self, dir, filename):
    if filename == 'NameDecoder.h':
        return re.compile ('.*NAME_COPYRIGHT')
    if filename == 'ICC_Profile.h':
        return re.compile ('.*icSigCopyrightTag')
    return GenericFilter.get_line_filter (self, dir, filename)

class LibMudflapFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set (}
class LibStdCxxFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set (
            # Contains no copyright of its own, but quotes the GPL.
            'intro.xml',
        )

        self.skip_dirs |= set (
            # Contains automatically-generated sources.
            'html',

            # The testsuite data files shouldn't be changed.
            'data',

            # Contains imported images
            'images',
        )

        self.own_files |= set (
            # Contains markup around the copyright owner.
            'spine.xml',
        )

def get_line_filter (self, dir, filename):
    if filename == 'boost_concept_check.h':
        return re.compile ('// \(C\) Copyright Jeremy Siek')
    return GenericFilter.get_line_filter (self, dir, filename)

class GCCCopyright (Copyright):
    def __init__ (self, errors):
        Copyright.__init__ (self, errors)

        canon_fsf = 'Free Software Foundation, Inc.'
        self.add_package_author ('Free Software Foundation', canon_fsf)
        self.add_package_author ('Free Software Foundation.', canon_fsf)
        self.add_package_author ('Free Software Foundation Inc.', canon_fsf)
        self.add_package_author ('Free Software Foundation, Inc', canon_fsf)
        self.add_package_author ('Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author ('The Free Software Foundation', canon_fsf)
        self.add_package_author ('The Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author ('Software Foundation, Inc.', canon_fsf)
class GCCCmdLine (CmdLine):
    def __init__ (self):
        CmdLine.__init__ (self, GCCCopyright)

        self.add_dir ('.', TopLevelFilter())
        # boehm-gc is imported from upstream.
        self.add_dir ('config', ConfigFilter())
        # contrib isn't really part of GCC.
        self.add_dir ('fixincludes')
        self.add_dir ('gcc', GCCFilter())
        self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir ('gnatools')
        self.add_dir ('include')
        self.add_dir ('libada')
        self.add_dir ('libatomic')
        self.add_dir ('libbacktrace')
        self.add_dir ('libcpp', LibCppFilter())
        self.add_dir (os.path.join ('libcpp', 'testsuite'), TestsuiteFilter())
        self.add_dir ('libgfortran')
        self.add_dir ('libgcc', LibGCCFilter())
        self.add_dir ('libgfortran')
self.add_dir ('libgomp')
self.add_dir ('libiberty')
self.add_dir ('libitm')
self.add_dir ('libjava', LibJavaFilter())
self.add_dir (os.path.join ('libjava', 'testsuite'), TestsuiteFilter())
self.add_dir ('libmudflap', LibMudflapFilter())
self.add_dir (os.path.join ('libmudflap', 'testsuite'),
           TestsuiteFilter())
self.add_dir ('libobjc')
self.add_dir ('libquadmath')
# libsanitiser is imported from upstream.
self.add_dir ('libssp')
self.add_dir ('libstdc++-v3', LibStdCxxFilter())
self.add_dir ('lto-plugin')
# zlib is imported from upstream.

self.default_dirs = [
    'gcc',
    'libada',
    'libatomic',
    'libbacktrace',
    'libcpp',
    'libdeciuumber',
    'libgcc',
    'libgfortran',
    'libgomp',
    'libitm',
    'libmudflap',
    'libobjc',
    'libstdc++-v3',
]

GCCCmdLine().main()

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^L

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16/gnu/java/sound/AudioSecurityManager$Permission;Ljava/lang/Enum;PLAY1Lgnu/java/sound/AudioSecurityManager$Permission;RECORDALLENUM$VALUES2[Lgnu/java/sound/AudioSecurityManager$Permission;<clinit>()VCode

<init>(Ljava/lang/String;I)V

LineNumberTableLocalVariableTable
thisvalues4)[Lgnu/java/sound/AudioSecurityManager$Permission;
$&%java/lang/System'(arraycopy*(Ljava/lang/Object;ILjava/lang/Object;II)VvalueOfE(Ljava/lang/String;)Lgnu/java/sound/AudioSecurityManager$Permission;
).-5(Ljava/lang/Class;Ljava/lang/String;;)Ljava/lang/Enum;
SourceFileAudioSecurityManager.java
SignatureCLjava/lang/Enum<Lngnu/java/sound/AudioSecurityManager$Permission;>:InnerClasses4$gnu/java/sound/AudioSecurityManager
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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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* m4/ax_func_which_gethostbyname_r.m4

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Ty Coon, President of Vice
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That's all there is to it!

/* Definitions for BSD assembler syntax for Intel 386
   (actually AT&T syntax for insns and operands,
   adapted to BSD conventions for symbol names and debugging.)
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*/

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/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using underscores, we are using prefix `.`'s to identify labels that should be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS */
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) /* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE,SIZE) \ 
fprintf (FILE, "\t.space HOST_WIDE_INT_PRINT_UNSIGNED\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED) \ 
( fputs (".comm ", (FILE)),\ 
assemble_name ((FILE), (NAME)),\ 
fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED) \ 
( fputs (".lcomm ", (FILE)),\ 
assemble_name ((FILE), (NAME)),\ 
fprintf ((FILE), ",%u\n", (int)(ROUNDED)))
#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  
( fputs (".lcomm ", (FILE)),
 assemble_name ((FILE), (NAME)),
 fprintf ((FILE), ",%u,%u
", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line  
that says to advance the location counter  
to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG)\  
if ((LOG)!=0) fprintf ((FILE), "\t.align %d
", (LOG))

/* This is how to store into the string BUF  
the symbol_ref name of an internal numbered label where  
PREFIX is the class of label and NUM is the number within the class.  
This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)\  
sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX "_"

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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1java/security/Permissionjavalang/Objectjava/security/Guardjava/io/SerializableserialVersionUIDJ
ConstantValue?(WQ-nameLjava/lang/String;<init>(Ljava/lang/String;)VCode
()V	LineNumberTableLocalVariableTablethisLjava/security/Permission;
checkGuard(Ljava/lang/Object;)V
! java/lang/System"#getSecurityManager()Ljava/lang/SecurityManager;
%!java/lang/SecurityManager()checkPermission(Ljava/security/Permission;)VobjLjava/lang/Object;smLjava/lang/
SecurityManager;implies(Ljava/security/Permission;)Zequals(Ljava/lang/Object;)ZhashCode()IgetName()Ljava/lang/
String;
getActionsnewPermissionCollection&()Ljava/security/PermissionCollection;toString;gnu/java/lang/CPStringBuilder
r
;}:${@append"(C)Lgnu/java/lang/CPStringBuilder;
class java::security::acl::Permission : public ::java::lang::Object
{

public:
  virtual jboolean equals(::java::lang::Object *) = 0;
  virtual ::java::lang::String * toString() = 0;
  static ::java::lang::Class class$;
} __attribute__ ((java_interface));

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

HISTORY -

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

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

Some other contributors:

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

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

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 * @version 0.0
 * @author Aaron M. Renn (arenn@urbanophile.com)
 */
public interface Permission {

  /**
   * This method tests whether or not a specified <code>Permission</code> (passed as an <code>Object</code>) is the same as this permission.
   * @param perm The permission to check for equality
   * @return <code>true</code> if the specified permission is the same as this one, <code>false</code> otherwise
   */
  boolean equals (Object perm);

}
* This method returns this `<code>Permission</code>` as a `<code>String</code>`.
*
* @return A `<code>String</code>` representing this permission.
 */

String toString();

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```
\ts \(" \" \r\n\ts \(" \" \r\n\ts \(" \" \r\n\ts \(" \" \r\n\ts \(" \" \r\n\ts \(" \" \r\n\ts \(" \" \r\n```

Predefined strings:

```
L\" "
R\" "
C` "
C' "
```

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// DO NOT EDIT THIS FILE - it is machine generated -*- c++ -*-

#ifndef __gnu_javax_sound_AudioSecurityManager$Permission__
#define __gnu_javax_sound_AudioSecurityManager$Permission__

#pragma interface

#include <java/lang/Enum.h>
#include <gcj/array.h>

extern "Java"
{
namespace gnu
{
namespace javax
{
namespace sound
{
class AudioSecurityManager$Permission;
}
}
}
}

class gnu::javax::sound::AudioSecurityManager$Permission : public ::java::lang::Enum
{

AudioSecurityManager$Permission(::java::lang::String *, jint);
public:
static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * values();
static ::gnu::javax::sound::AudioSecurityManager$Permission * valueOf(::java::lang::String *);
static ::gnu::javax::sound::AudioSecurityManager$Permission * PLAY;
static ::gnu::javax::sound::AudioSecurityManager$Permission * RECORD;
static ::gnu::javax::sound::AudioSecurityManager$Permission * ALL;
private:
static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * ENUM$VALUES;
public:
static ::java::lang::Class class$;
};
#ifndef __gnu_javax_sound_AudioSecurityManager$Permission__

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1.1260 python3-7-minimal 3.7.3-2

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

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

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Mersenne Twister

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

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

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

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Any feedback is very welcome.
http://www.math.keio.ac.jp/matumoto/emt.html
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Sockets
-------

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

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with python standard

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Jean-loup Gailly  Mark Adler
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1.1261 rename 0.20-7
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File::Rename version 0.20

File::Rename provides an implementation of Larry Wall's eg/rename command. All I have done is add some error checking and (more recently) add the File/Rename.pm module.

An earlier version of the script is out in the Internet and is included with some linuxes, and the original eg/rename is not included in the Perl distribution, so I have put this up on CPAN.

A revised version of the earlier script is now on the Internet, which includes more options. This script, distinguished by "Getopt::Long::Configure('bundling')", was not written by me; I think the author is Aristotle Pagaltzis. Version 0.10 of this distribution has similar options to the revised script.

For Windows, the script is called file-rename to avoid clashes with existing rename command.

INSTALLATION

To install this module type the following:

    perl Makefile.PL
    make
    make test
    make install

or if you have Module::Build
perl Build.PL
perl Build
perl Build test
perl Build install

DEPENDENCIES

This module requires these other modules and libraries:
File::Basename File::Path File::Spec Getopt::Long
(all included with Perl).

Testing requires File::Temp and Test::More which are available with perl 5.6.0. I have successfully installed those modules for perl 5.005_05 and tested this module.

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1078671992_1597401694.59/0/rename-0-20-orig-1-tar-gz/File-Rename-0.20/README
No license file was found, but licenses were detected in source scan.

---
abstract: 'Perl extension for renaming multiple files'
author:
  - 'Robin Barker <RMBarker@cpan.org>'
build_requires:
  File::Temp: 0
  Test::More: 0
configure_requires:
  Module::Build: 0.38
dynamic_config: 1
generated_by: 'Module::Build version 0.4005, CPAN::Meta::Converter version 2.112621'
license: perl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: File-Rename
provides:
  File::Rename:
File::Rename - Perl extension for renaming multiple files

SYNOPSIS

use File::Rename qw(rename); # hide CORE::rename
rename @ARGV, sub { s/\.pl\z/.pm/ }, 1;

use File::Rename;
rename @ARGV, '$_ = lc';

DESCRIPTION

rename FILES using CODE,
if FILES is empty read list of files from stdin

rename FILES using CODE

FILE::Rename::Options:
file: lib/File/Rename.pm
version: 0

File::Spec: 0.82
Getopt::Long: 2.24
Test::Pod: 0
Test::Pod::Coverage: 0

requires:
Getopt::Long: 0
perl: 5

license: http://dev.perl.org/licenses/
version: 0.20

No license file was found, but licenses were detected in source scan.
rename a list of file read from HANDLE, using CODE

=back

=head2 OPTIONS

=over 8

=item FILES

List of files to be renamed, for <tt>C<rename></tt> must be an array

=item CODE

Subroutine to change file names, for <tt>C<rename></tt> can be a string, otherwise a code reference

=item VERBOSE

Flag for printing names of files successfully renamed, optional for <tt>C<rename></tt>

=item HANDLE

Filehandle to read file names to be renames

=item FILENAME (Optional)

Name of file that HANDLE reads from

=back

=head2 HASH

Either CODE or VERBOSE can be a HASH of options.

If CODE is a HASH, VERBOSE is ignored and CODE is supplied by the <tt>B<_code></tt> key.

Other options are

=over 16

=item B<verbose>
As VERBOSE above, provided by B<-v>.

=item B<no_action>

Print names of files to be renamed, but do not rename (i.e. take no action), provided by B<-n>.

=item B<over_write>

Allow files to be over-written by the renaming, provided by B<-f>.

=item B<show_help>

Print help, provided by B<-h>.

=item B<show_manual>

Print manual page, provided by B<-m>.

=item B<show_version>

Print version number, provided by B<-V>.

=back

=head2 EXPORT

None by default.

=head1 ENVIRONMENT

No environment variables are used.

=head1 SEE ALSO

mv(1), perl(1), rename(1)

=head1 AUTHOR

Robin Barker <RMBarker@cpan.org>

=head1 Acknowledgements

Based on code from Larry Wall.

Options B<-e>, B<-f>, B<-n> suggested by more recent code written by Aristotle Pagaltzis.
DIAGNOSTICS

Errors from the code argument are not trapped.

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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 3a0982da308228d796df35f98d787c5c4f2bb5b6.

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: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>
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This documentation describes how to contribute to the official Debian packages
of MariaDB. The packaging in Debian repositories is not identical to the packaging
in mariadb.org repositories, but whatever is in Debian repositories will eventually
be upstreamed.
## Development environment and tools

Use a recent version of Debian or Ubuntu as the environment for Debian packaging testing and development. Preferred environment is Debian Sid (unstable).

Install the tool used to manage and build the source

```bash
sudo apt-get install git-buildpackage
```

## Getting the source

The official Debian package source is hosted on the Debian Gitlab server under the MariaDB/MySQL packaging team at https://salsa.debian.org/mariadb-team/. You are welcome to fork it and make merge requests.

To get the latest official Debian packaging source of mariadb-10.3, clone the source repository with all relevant branches (master, upstream, pristine-tar) to your local environment using _git-buildpackage_:

```bash
gbp clone --pristine-tar https://salsa.debian.org/mariadb-team/mariadb-10.3.git
```

If you have your own fork and SSH keys set up on Salsa, you can run:

```bash
gbp clone --pristine-tar git@salsa.debian.org:<username>/mariadb-10.3.git
```

The clone needs to be run only once. On later runs you can refresh your clone with relevant branches using

```bash
gbp pull --pristine-tar --force
```

## Building the packages

Build binaries, run testsuite and build Debian packages with

```bash
gbp buildpackage
```

On the first run `git-buildpackage` will complain if some of the build dependencies defined in `debian/control` are missing. Simply install those packages and run the build again.

A quick command to install all dependencies:

```bash
sudo mk-build-deps -r -i debian/control -t "apt-get -y -o Debug::pkgProblemResolver=yes --no-install-recommends"
```

If the build fails, the easiest way to clean up before a new run is

```bash
git clean -fdx && git reset --hard
```

### Build options
If you want to skip the mysql-test-run step (which takes a lot of time) set the following environment variable:
```
export DEB_BUILD_OPTIONS="nocheck"
```

If you want to run the build in parallel on 2 CPUs and have verbose output:
```
export DEB_BUILD_OPTIONS="parallel=2 verbose"
```

The options above can also be combined freely to get desired behavior.

### Creating a feature or bugfix branch

The repository has the following branch layout:
- `upstream` - contains the upstream source releases without modifications
- `pristine-tar` - contains extra delta needed to re-create the original tarballs with the exactly same SHA-1 hash as the original tarballs by upstream
- `master` - packaging for Debian Sid (unstable)
- `jessie` - release branch for Debian 8 (jessie)
- `stretch` - release branch for Debian 9 (stretch)
- `ubuntu-16.04` - release branch for Ubuntu 16.04 (xenial)
- `ubuntu-18.04` - release branch for Ubuntu 18.04 (bionic)

All new features and also bugfixes are done only in the master branch. The release branches for Debian and Ubuntu are only used for security updates.

To prepare the Salsa pull request, create a bugfix branch from master with:
```
git checkout -b fix-example-name
```

After this you can develop with all the usual git commit and push commands until you have in your fork at Salsa the desired change and you are ready to open the merge request.

### Notes about how to make changes in the proper way

First consider submitting your patch upstream. Upstream MariaDB makes frequent maintenance releases and any fix done upstream will therefore be included in Debian relatively quickly. You can send email to the developers mailing list or open a pull request at https://github.com/MariaDB/server.

Follow these instructions if your fix is about packaging in Debian specifically. Start by using gitk or similar tool to browse the previous changes. Try to follow similar pattern in your new changes.

Keep in mind that all changes must done only for files residing in the debian/ subdirectory. If you need to create changes outside the debian/ directory, then you need to create a patch file using the same pattern as the patches
found in debian/patches and activated by a line in debian/patches/series

Do not bundle in your commit any changes to debian/changelog. The correct changelog entries will be created later by the maintainer using git-dch in an automated fashion.

For an example of a patch adding commit see https://github.com/ottok/mariadb-10.0/commit/8d2a7c909

# Using Docker

First make a working directory for the build artefacts. Inside that directory clone the repository. Then start a Docker session using whatever Debian/Ubuntu image you want with the command:

docker run -it -v ${PWD}:/build -w /build debian:sid bash

This will start a session, where you are as the root user in the path /build inside the Docker container. Here you can cd into the source directory, install dependencies and start the build. Note that when you exit the session, everything will be lost apart from the files you had inside the mounted volume in /build.

# Using sbuild

If you prefer sbuild, you can build with something like:

gbp buildpackage --git-builder=sbuild -A -v -d unstable

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THE BASIC LIBRARY FUNCTIONS
----------------------------

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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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You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1335 USA

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

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

Gnomovision version 69, Copyright (C) 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.

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

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of this license document, but changing it is not allowed.

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

Preamble

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

This license, the Lesser General Public License, applies to some
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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.

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it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do
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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.

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
"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 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:

   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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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>

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

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

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

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

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Also, MySQL carries the "FOSS License Exception" specified in README

Quoting from README:
MySQL FOSS License Exception

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The text of the Above URL is quoted below, as of Aug 17, 2011.

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> Updated July 1, 2010
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== MariaDB ==

The Debian package of MySQL was first debianized on 1997-04-12 by Christian Schwarz <schwarz@debian.org> and is maintained since 1999-04-20 by Christian Hammers <ch@debian.org>.

The MariaDB packages were initially made by http://ourdelta.org/, and are now managed by the MariaDB development team, maria-developers@lists.launchpad.net

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

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- Glob: storage/maria/ma_commit.c storage/maria/trnman.h storage/maria/trnman_public.h storage/maria/unittest/trnman-t.c include/waiting_threads.h unittest/mysys/waiting_threads-t.c
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- Glob: client/async_example.c include/my_context.h mysys/my_context.c storage/connect/inihandl.c storage/tokudb/ft-index/third_party/xz-4.999.9beta/lib/getopt.c storage/tokudb/ft-index/third_party/xz-4.999.9beta/lib/getopt.in.h

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  storage/xtradb/include/pars0grm.h storage/xtradb/pars/pars0grm.cc
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- Glob: storage/innobase/fts/fts0pars.cc sql/sql_yacc.cc sql/sql_yacc.h storage/innobase/include/fts0pars.h \\
  storage/xtradb/fts/fts0pars.cc storage/xtradb/include/fts0pars.h
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  storage/oqgraph/oqgraph_judy.* storage/oqgraph/oqgraph_shim.* storage/oqgraph/oqgraph_thunk.*
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MaxVersion: 5.6
MMagic: text/plain
Contains: |
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 *
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 *
 * The code has been modified by Mikael Ronstroem to handle
 * calculating a hash value of a key that is always a multiple
 * of 4 bytes long. Word 0 of the calculated 4-word hash value
 * is returned as the hash value.
 */
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 *
 * Equivalent code is available from RSA Data Security, Inc.
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 * except that you don't need to include two pages of legalese
 * with every copy.
 *
 * To compute the message digest of a chunk of bytes, declare an
 * MD5Context structure, pass it to MD5Init, call MD5Update as
 * needed on buffers full of bytes, and then call MD5Final, which
 * will fill a supplied 16-byte array with the digest.
 */

/* This code was modified in 1997 by Jim Kingdon of Cyclic Software to
not require an integer type which is exactly 32 bits. This work
draws on the changes for the same purpose by Tatu Ylonen
<ylo@cs.hut.fi> as part of SSH, but since I didn't actually use
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"Source code" for a work means the preferred form of the work for
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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
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be optional: if the application does not supply it, the square
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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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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.)

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

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The "source code" for a work means the preferred form of the work
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for their heroic yet successful efforts to get LizardTech to handle
the patent situation in a way that addresses the concerns of the free
software community regarding the distribution and use of djvulibre.

The script tools/any2djvu.sh was downloaded from
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1.1289 distlib 0.2.6

1.1289.1 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 (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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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
- Erik Bray
- C. Titus Brown
- Francisco Martin Brugu
- Nicolas Cadou
- Godefroid Chapelle
- Julien Courteau
- Christophe Combelles
- Jason R. Coombs
- Pierre-Yves David
- Ned Deily
- Konrad Delong
- Josip Djolonga
- John Edmonds
- Andr Espaze
- Boris Feld
- Andrew Francis
- Hallvard B Furuseth
- Patrice Gauthier
- Yannick Gingras
- Filip Gruszczynski
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- Thomas Holmes
- Preston Holmes
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- Julien Jehannet
- Jeremy Kloth
- Thomas Kluyver
- Amos Latteier
- Mathieu Leduc-Hamel
- Pierre Paul Lefebvre
- Tshepang Lekhonkhobe
- Alain Leufroy
- Janusz Lewandowski
- Martin von Lwis
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1.1290 graceful-fs 4.1.9

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1.1291 libcom-err 1.42.13 1ubuntu1

1.1291.1 Available under license:

ext2ed - The extended-2 filesystem editor, version e2fsprogs

This version of ext2ed has been modified and updated by Theodore Ts'o for inclusion with the e2fsprogs package. It now builds with modern ncurses and I've fixed various small bugs, particular in the redrawing and resizing functions.

It is currently not built by default -- the top-level e2fsprogs Makefile doesn't recurse into this directory. This is because ext2ed has a number of VERY SERIOUS shortcomings:

1) It doesn't work on filesystems bigger than 2GB

2) It assumes that all's the world an Intel, and assumes that everything is in Intel (little-endian) byte order.

Fixing either of these problems would be non-trivial, and so I at this point DO NOT RECOMMEND that distributions try to include this program,
even as modified and updated in e2fsprogs. This especially goes for Debian, where the Debian maintainer for e2fsprogs has a history of making authorized changes to e2fsprogs to include programs that aren't supported, and then starts bugging me with bug reports. YES I KNOW.

THIS PROGRAM HAS HORRIBLE SHORTCOMINGS. IT IS INCLUDED HERE ONLY BECAUSE IT'S A CONVENIENT WAY FOR (FOR E2FSPROGS DEVELOPERS ON INTEL MACHINES) TO GENERATE TEST CASES BY SELECTIVELY CORRUPTING FILESYSTEMS. I WILL NOT SUPPORT THIS PROGRAM FOR USE BY GENERAL USERS SO PLEASE DO NOT INCLUDE IT IN A DISTRIBUTION.

I have currently disabled the use of GNU Readline in this program, because readline and ncurses really don't play well together at all. Readline assumes that it can write arbitrary text to the screen (especially when it tries to print out a completion list), which just doesn't work with ncurses. Fixing this so they would work together would require wholesale changes to readline.

Theodore Ts'o
tytso@MIT.EDU
May 12, 2001

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

ext2ed - The extended-2 filesystem editor, version 0.2

This is version 0.2 of ext2ed - The extended-2 filesystem editor.

Modifications on Apr 5 2001
This is minor bug fixes to ext2ed, as of April 2001.
It supports modern ext2 version that has file type in directory structure and fixes the misunderstanding between ncurses and readline.

I first applied patches from Redhat except the one for readline that rewrote a readline behavior.

Globals diffs between version 0.1 and 0.2 is stored in file :
diff-ext2ed.1.2

Christian Bac <Christian.Bac@nt-evry.fr>

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

Documentation

ext2ed's documentation consists of three documents:
1. The user's guide.
2. Technical overview of the ext2 filesystem.
3. The EXT2ED design and implementation document.

Those documents are available in the doc directory, in linuxdoc-sgml and postscript formats.

The documentation is also available online at:

http://tochnapc2.technion.ac.il

under the ext2ed section.

Installation
------------

ext2ed requires the kernel sources and the readline and ncurses packages. Please edit the makefile if you are using an "old" version of ncurses (See the details below) or if gcc can't find the various header files and libraries.

To install, simply issue a 'make' command to compile and a 'make install' command to install. I have also included an already compiled linux a.out binary.

ext2ed and ncurses
------------------

ext2ed uses the ncurses library for terminal output. It is very important that ncurses will be properly installed on your system:

1. Old versions of ncurses (around 1.8.5) need the OLD_NCURSES compile time option in EXT2ED.

At least from 1.9.2c, this flag should not be used. I would recommend upgrading the ncurses library to the newer versions.

2. ncurses uses its own terminfo database rather then the termcap file. It is important that the terminfo database will be found by ncurses. If this is not the case, you will see on startup some lines which refer to /etc/termcap. This will mean that there is a problem with the terminfo database.

3. Newer versions of ncurses (and the 1.3 series of the kernel) describe the linux console in the entry 'linux' and not 'console', as it was before. If you run ext2ed in the linux console, you should either set your TERM environment variable to 'linux' or link l/linux to c/console in the terminfo database.
4. The percompiled binary was linked with ncurses 1.9.4 and will search for the terminfo database on /usr/local/lib/terminfo. If you are using it, and your 1.9.4 compatible terminfo database is not on the directory above, use the TERMINFO environment variable to specify an alternate location.

Running ext2ed

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For those of you who don't like reading lengthy articles, here are a few basic guidelines:

1. Don't use ext2ed to change a mounted filesystem!

Using ext2ed in read-only mode on a mounted filesystem can be allowed by using the configuration file option 'AllowMountedRead on'. However, note that the displayed data will be unreliable.

2. ext2ed currently can't handle filesystems bigger than 2 GB. I am sorry for the inconvenience. This will hopefully be fixed in future releases.

3. Before running ext2ed, edit the configuration file /var/lib/ext2ed/ext2ed.conf to suit your needs. The various configuration options are documented there.

4. Use the 'setdevice' command to open an ext2 filesystem. e.g. 'setdevice /dev/hda1'.

5. If the filesystem is an ext2 filesystem and ext2ed fails to autodetect this, use the 'ForceExt2 on' configuration file option.

6. The filesystem will always be opened in read-only mode. Feel free to experiment, but take care with the 'enablewrite' command.

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

Feel free to send me feedback with anything regarding to ext2ed.

Enjoy,

Gadi Oxman <tgud@tochnapc2.technion.ac.il>
Haifa, August 23 1995

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Theodore Ts'o
23-June-2007

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Theodore Ts'o
1.1292 brace-expansion 1.1.6

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src/libcharon/encoding/payloads/certreq_payload.c
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src/libcharon/encoding/payloads/ike_payload.c
src/libcharon/encoding/payloads/nonce_payload.c
src/libcharon/encoding/payloads/traffic_selector_substructure.c
src/libcharon/encoding/payloads/transform_attribute.c
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      src/libcharon/encoding/payloads/ike_header.c
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src/libimcv/plugins/imv_attestation/imv_attestation_build.c
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    src/libimcv/pts/pts.h
    src/libimcv/pts/pts_database.c
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    src/libimcv/pts/pts_dh_group.h
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    src/libimcv/pts/pts_file_meta.c
    src/libimcv/pts/pts_file_meta.h
    src/libimcv/pts/pts_file_type.h
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  src/libipsec/ipsec_processor.h
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src/libstrongswan/plugins/test_vectors/test_vectors/camellia_cbc.c
src/libstrongswan/plugins/test_vectors/test_vectors/cast.c
src/libstrongswan/plugins/test_vectors/test_vectors/des.c
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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.
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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 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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(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
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
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modification of the work for the customer's own use and reverse
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Library is used in it and that the Library and its use are covered by
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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.

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

That's all there is to it!

1.1305 libcharon-standard-plugins 5.6.2-1ubuntu2.fips.2.5.1
1.1305.1 Available under license:
Format: http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: strongswan
Upstream-Contact: http://strongswan.org/
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src/dumm/bridge.h
src/dumm/iface.h
src/dumm/irdumm.c
src/dumm/main.c
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src/libcharon/config/backend_manager.c
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Files: src/libcharon/encoding/payloads/auth_payload.c
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src/libcharon/encoding/payloads/configuration_attribute.c
src/libcharon/encoding/payloads/cp_payload.c
src/libcharon/encoding/payloads/ke_payload.c
src/libcharon/encoding/payloads/nonce_payload.c
src/libcharon/encoding/payloads/traffic_selector_substructure.c
src/libcharon/encoding/payloads/transform_attribute.c
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src/libimcv/pts/pts_error.c
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src/libimcv/pts/pts_file_meta.c
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src/libimcv/pts/pts_file_type.h
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src/libstrongswan/plugins/ntru/ntru_poly.c
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src/libstrongswan/plugins/pkcs11/pkcs11_private_key.c
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src/libstrongswan/plugins/test_vectors/test_vectors/null.c
src/libstrongswan/plugins/test_vectors/test_vectors/rc5.c
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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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<td>2001</td>
<td>PSF</td>
<td>yes</td>
</tr>
<tr>
<td>2.1.1</td>
<td>2.1+2.0.1</td>
<td>2001</td>
<td>PSF</td>
<td>yes</td>
</tr>
<tr>
<td>2.1.2</td>
<td>2.1.1</td>
<td>2002</td>
<td>PSF</td>
<td>yes</td>
</tr>
<tr>
<td>2.1.3</td>
<td>2.1.2</td>
<td>2002</td>
<td>PSF</td>
<td>yes</td>
</tr>
<tr>
<td>2.2 and above</td>
<td>2.1.1</td>
<td>2001-now</td>
<td>PSF</td>
<td>yes</td>
</tr>
</tbody>
</table>

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use warnings;

use Test::More tests => 5;

my $class = 'Software::License::Perl_5';
require_ok($class);

my $license = $class->new({ holder => 'X. Ample' });

is($license->holder, 'X. Ample', '(c) holder');
is($license->year, (localtime)[5]+1900, '(c) year');
like($license->name, qr/perl 5/i, "license name");
like($license->fulltext, qr/general public/i, 'license text');

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This README file was generated by Dist::Zilla::Plugin::Readme v5.014.
#!perl
use Test::More tests => 2;
note 'Checking Changes';
my $changes_file = 'Changes';
my $newver = '0.103010';
my $trial_token = '-TRIAL';
SKIP: {
ok(-e $changes_file, "$changes_file file exists")
or skip 'Changes is missing', 1;
ok(_get_changes($newver), "$changes_file has content for $newver");
}
done_testing;
# _get_changes copied and adapted from Dist::Zilla::Plugin::Git::Commit
# by Jerome Quelin
sub _get_changes
{
my $newver = shift;
# parse changelog to find commit message
open(my $fh, '<', $changes_file) or die "cannot open $changes_file: $!";
my $changelog = join('', <$fh>);
close $fh;
my @content =
grep { /^$newver(?:$trial_token)?(?:\s+|$)/ ... /^\S/ } # from newver to un-indented
split /\n/, $changelog;
shift @content; # drop the version line
# drop unindented last line and trailing blank lines
pop @content while ( @content && $content[-1] =~ /^(?:\S|\s*$)/ );
# return number of non-blank lines
return scalar @content;
}
name = Software-License
author = Ricardo Signes <rjbs@cpan.org>
license = Perl_5

Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 14948


#!/perl
use strict;
use warnings;
use Test::More tests => 2;

use Software::License::BSD;
use Software::License::Mozilla_1_0;

# TEST
is (scalar(Software::License::BSD->url()),
   'http://opensource.org/licenses/BSD-3-Clause',
   "BSD->url() is OK."
);

# TEST
is (scalar(Software::License::Mozilla_1_0->url()),
   'http://www.mozilla.org/MPL/MPL-1.0.txt',
   "Mozilla_1_0->url() is OK."
);

# This file was automatically generated by Dist::Zilla::Plugin::MakeMaker v5.014.
use strict;
use warnings;
use 5.006;
use ExtUtils::MakeMaker 6.30;

my %WriteMakefileArgs = (
   "ABSTRACT" => "packages that provide templated software licenses",
   "AUTHOR" => "Ricardo Signes <rjbs@cpan.org>",
   "BUILD_REQUIRES" => {},
   "CONFIGURE_REQUIRES" => {
      "ExtUtils::MakeMaker" => "6.30"
   },
   "DISTNAME" => "Software-License",
   "EXE_FILES" => [],
   "LICENSE" => "perl",
   "NAME" => "Software::License",
   "PREREQ_PM" => {
      "Carp" => 0,
      "Data::Section" => 0,
      "File::Spec" => 0,
      "File::Path" => 0,
      "Test::More" => 2,
   },
   "PERL" => "5.006",
   "VERSION" => "0.01"
);
my %FallbackPrereqs = (
    "Carp" => 0,
    "Data::Section" => 0,
    "File::Spec" => 0,
    "IO::Dir" => 0,
    "Module::Load" => 0,
    "Sub::Install" => 0,
    "Test::More" => "0.96",
    "Try::Tiny" => 0
);

unless ( eval { ExtUtils::MakeMaker->VERSION(6.63_03) } ) {
    delete $WriteMakefileArgs{TEST_REQUIRES};
    delete $WriteMakefileArgs{BUILD_REQUIRES};
    $WriteMakefileArgs{PREREQ_PM} = \%FallbackPrereqs;
}

delete $WriteMakefileArgs{CONFIGURE_REQUIRES}
unless eval { ExtUtils::MakeMaker->VERSION(6.52) };

WriteMakefile(%WriteMakefileArgs);
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4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:
a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

b) accompany the distribution with the machine-readable source of the Package with your modifications.

c) accompany any non-standard executables with their corresponding Standard Version executables, giving the non-standard executables non-standard names, and clearly documenting the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own.

6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whomever generated them, and may be sold commercially, and may be aggregated with this Package.

7. C or perl subroutines supplied by you and linked into this Package shall not be considered part of this Package.

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9. THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The End
#!perl
# This file was automatically generated by Dist::Zilla::Plugin::PodSyntaxTests.
use Test::More;
use Test::Pod 1.41;

all_pod_files_ok();
# This file was automatically generated by Dist::Zilla::Plugin::Manifest v5.014.
Changes
LICENSE
MANIFEST
META.json
META.yml
Makefile.PL
README
dist.ini
lib/Software/License.pm
lib/Software/License/AGPL_3.pm
lib/Software/License/Apache_1_1.pm
lib/Software/License/Apache_2_0.pm
lib/Software/License/Artistic_1_0.pm
lib/Software/License/Artistic_2_0.pm
lib/Software/License/BBSD.pm
lib/Software/License/CC0_1_0.pm
lib/Software/License/Custom.pm
lib/Software/License/FreeBSD.pm
lib/Software/License/GFDL_1_2.pm
lib/Software/License/GFDL_1_3.pm
lib/Software/License/GPL_1.pm
lib/Software/License/GPL_2.pm
lib/Software/License/GPL_3.pm
lib/Software/License/LGPL_2_1.pm
lib/Software/License/LGPL_3_0.pm
lib/Software/License/MIT.pm
lib/Software/License/Mozilla_1_0.pm
lib/Software/License/Mozilla_1_1.pm
lib/Software/License/Mozilla_2_0.pm
lib/Software/License/None.pm
lib/Software/License/OpenSSL.pm
lib/Software/License/Perl_5.pm
lib/Software/License/PostgreSQL.pm
lib/Software/License/QPL_1_0.pm
lib/Software/License/SSLeay.pm
lib/Software/License/Sun.pm
lib/Software/License/Zlib.pm
lib/Software/LicenseUtils.pm
t/000-report-versions-tiny.t
t/basic.t
t/bsd-url.t
t/custom-license
t/custom.t
t/guess_meta_license.t
t/meta-names.t
t/round-trip.t
t/short_name.t
t/utils.t
xt/release/changess_has_content.t
xt/release/pod-syntax.t
use strict;
use warnings;
use Test::More 0.88;
# This is a relatively nice way to avoid Test::NoWarnings breaking our
# expectations by adding extra tests, without using no_plan. It also helps
# avoid any other test module that feels introducing random tests, or even
# test plans, is a nice idea.
our $success = 0;
END { $success && done_testing; }

# List our own version used to generate this
my $v = "Generated by Dist::Zilla::Plugin::ReportVersions::Tiny v1.10\n";

eval {                     # no excuses!
    # report our Perl details
    my $want = '5.006';
    $v .= "perl: $] (wanted $want) on $^O from $^X\n";
};
defined($@) and diag("$@");

# Now, our module version dependencies:
sub pmver {  
    my ($module, $wanted) = @_;  
    $wanted = " (want $wanted)";
    my $pmver;
    eval "require $module;";
    if ($@) {  
        if ($@ =~ m/Can't locate .* in @INC/) {  
            $pmver = 'module not found.';
        } else {  
            diag("$module": $@);  
            $pmver = 'died during require.';
        }
    } else {  
        my $version;
        eval { $version = $module->VERSION; };
        if ($@) {  
            diag("$module": $@);
            $pmver = 'died during VERSION check.';
        } elsif (defined $version) {  
            $pmver = "$version";
        } else {  
            $pmver = '<undef>';  
        }
    }
    # So, we should be good, right?
    return sprintf('%-45s => %-10s%-15s%s', $module, $pmver, $wanted, "\n");

Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 14960
eval { $v .= pmver('Carp','any version') };  
eval { $v .= pmver('Data::Section','any version') };  
eval { $v .= pmver('ExtUtils::MakeMaker','6.30') };  
eval { $v .= pmver('File::Spec','any version') };  
eval { $v .= pmver('IO::Dir','any version') };  
eval { $v .= pmver('Module::Load','any version') };  
eval { $v .= pmver('Sub::Install','any version') };  
eval { $v .= pmver('Test::More','0.96') };  
eval { $v .= pmver('Text::Template','any version') };  
eval { $v .= pmver('Try::Tiny','any version') };  
eval { $v .= pmver('parent','any version') };  
eval { $v .= pmver('strict','any version') };  
eval { $v .= pmver('warnings','any version') };  

# All done.  
$v .= '<<EOT';

Thanks for using my code. I hope it works for you.  
If not, please try and include this output in the bug report.  
That will help me reproduce the issue and solve your problem.

EOT

diag($v);  
o(1, "we really didn't test anything, just reporting data");  
$success = 1;

# Work around another nasty module on CPAN. :/
no warnings 'once';
$Template::Test::NO_FLUSH = 1;
exit 0;
{
    "abstract" : "packages that provide templated software licenses",  
    "author" : [  
        "Ricardo Signes <rjbs@cpan.org>"
    ],
    "dynamic_config" : 0,
    "generated_by" : "Dist::Zilla version 5.014, CPAN::Meta::Converter version 2.140640",
    "license" : [  
        "perl_5"
    ],
    "meta-spec" : {
        "url" : "http://search.cpan.org/perldoc?CPAN::Meta::Spec",
        "version" : "2"
    },
"name": "Software-License",
"prereqs": {
  "configure": {
    "requires": {
      "ExtUtils::MakeMaker": "6.30"
    }
  },
  "develop": {
    "requires": {
      "Test::Pod": "1.41",
      "version": "0.9901"
    }
  },
  "runtime": {
    "requires": {
      "Carp": "0",
      "Data::Section": "0",
      "File::Spec": "0",
      "IO::Dir": "0",
      "Module::Load": "0",
      "Sub::Install": "0",
      "Text::Template": "0",
      "parent": "0",
      "perl": "5.006",
      "strict": "0",
      "warnings": "0"
    }
  },
  "test": {
    "requires": {
      "Test::More": "0.96",
      "Try::Tiny": "0"
    }
  }
},
"release_status": "stable",
"resources": {
  "bugtracker": {
    "web": "https://github.com/rjbs/Software-License/issues"
  },
  "homepage": "https://github.com/rjbs/Software-License",
  "repository": {
    "type": "git",
    "url": "https://github.com/rjbs/Software-License.git",
    "web": "https://github.com/rjbs/Software-License"
  }
},
"version": "0.103010"
"x_Dist_Zilla" : {
    "perl" : {
        "version" : "5.019010"
    },
    "plugins" : [
        {
            "class" : "Dist::Zilla::Plugin::Git::GatherDir",
            "name" : "@RJBS/Git::GatherDir",
            "version" : "2.020"
        },
        {
            "class" : "Dist::Zilla::Plugin::CheckPrereqsIndexed",
            "name" : "@RJBS/CheckPrereqsIndexed",
            "version" : "0.011"
        },
        {
            "class" : "Dist::Zilla::Plugin::CheckExtraTests",
            "name" : "@RJBS/CheckExtraTests",
            "version" : "0.021"
        },
        {
            "class" : "Dist::Zilla::Plugin::PromptIfStale",
            "config" : {
                "Dist::Zilla::Plugin::PromptIfStale" : {
                    "check_all_plugins" : 0,
                    "check_all_prereqs" : 0,
                    "modules" : [
                        "Dist::Zilla::PluginBundle::RJBS"
                    ],
                    "phase" : "build",
                    "skip" : []
                }
            },
            "name" : "@RJBS/RJBS-Outdated",
            "version" : "0.021"
        },
        {
            "class" : "Dist::Zilla::Plugin::PromptIfStale",
            "config" : {
                "Dist::Zilla::Plugin::PromptIfStale" : {
                    "check_all_plugins" : "1",
                    "check_all_prereqs" : 0,
                    "modules" : [],
                    "phase" : "release",
                    "skip" : []
                }
            },
            "name" : "@RJBS/CPAN-Outdated",
            "version" : "0.021"
        }
    ]
}
"version": "0.021",
],
{
  "class": "Dist::Zilla::Plugin::PruneCruft",
  "name": "@RJBS/@Filter/PruneCruft",
  "version": "5.014"
},
{
  "class": "Dist::Zilla::Plugin::ManifestSkip",
  "name": "@RJBS/@Filter/ManifestSkip",
  "version": "5.014"
},
{
  "class": "Dist::Zilla::Plugin::MetaYAML",
  "name": "@RJBS/@Filter/MetaYAML",
  "version": "5.014"
},
{
  "class": "Dist::Zilla::Plugin::License",
  "name": "@RJBS/@Filter/License",
  "version": "5.014"
},
{
  "class": "Dist::Zilla::Plugin::Readme",
  "name": "@RJBS/@Filter/Readme",
  "version": "5.014"
},
{
  "class": "Dist::Zilla::Plugin::ExecDir",
  "name": "@RJBS/@Filter/ExecDir",
  "version": "5.014"
},
{
  "class": "Dist::Zilla::Plugin::ShareDir",
  "name": "@RJBS/@Filter/ShareDir",
  "version": "5.014"
},
{
  "class": "Dist::Zilla::Plugin::Manifest",
  "name": "@RJBS/@Filter/Manifest",
  "version": "5.014"
},
{
  "class": "Dist::Zilla::Plugin::TestRelease",
  "name": "@RJBS/@Filter/TestRelease",
  "version": "5.014"
},


"class": "Dist::Zilla::Plugin::ConfirmRelease",
"name": "@RJBS/@Filter/ConfirmRelease",
"version": "5.014"
},
{
"class": "Dist::Zilla::Plugin::UploadToCPAN",
"name": "@RJBS/@Filter/UploadToCPAN",
"version": "5.014"
},
{
"class": "Dist::Zilla::Plugin::MakeMaker",
"config": {
"Dist::Zilla::Role::TestRunner": {
   "default_jobs": 9
  }
},
"name": "@RJBS/MakeMaker",
"version": "5.014"
},
{
"class": "Dist::Zilla::Plugin::AutoPrereqs",
"name": "@RJBS/AutoPrereqs",
"version": "5.014"
},
{
"class": "Dist::Zilla::Plugin::Git::NextVersion",
"name": "@RJBS/Git::NextVersion",
"version": "2.020"
},
{
"class": "Dist::Zilla::Plugin::PkgVersion",
"name": "@RJBS/PkgVersion",
"version": "5.014"
},
{
"class": "Dist::Zilla::Plugin::MetaConfig",
"name": "@RJBS/MetaConfig",
"version": "5.014"
},
{
"class": "Dist::Zilla::Plugin::MetaJSON",
"name": "@RJBS/MetaJSON",
"version": "5.014"
},
{
"class": "Dist::Zilla::Plugin::NextRelease",
"name": "@RJBS/NextRelease",
"version": "5.014"
}
{
    "class": "Dist::Zilla::Plugin::Git::Commit",
    "name": "@RJBS/@Git/Commit",
    "version": "2.020"
},
{
    "class": "Dist::Zilla::Plugin::Git::Tag",
    "name": "@RJBS/@Git/Tag",
    "version": "2.020"
},
{
    "class": "Dist::Zilla::Plugin::Git::Push",
    "name": "@RJBS/@Git/Push",
    "version": "2.020"
},
{
    "class": "Dist::Zilla::Plugin::FinderCode",
    "name": ":InstallModules",
    "version": "5.014"
},
{
    "class": "Dist::Zilla::Plugin::FinderCode",
    "name": ":IncModules",
    "version": "5.014"
},
{
    "class": "Dist::Zilla::Plugin::FinderCode",
    "name": ":TestFiles",
    "version": "5.014"
},
{
    "class": "Dist::Zilla::Plugin::FinderCode",
    "name": ":ExecFiles",
    "version": "5.014"
},
{
    "class": "Dist::Zilla::Plugin::FinderCode",
    "name": ":ShareFiles",
    "version": "5.014"
},
{
    "class": "Dist::Zilla::Plugin::FinderCode",
    "name": ":MainModule",
    "version": "5.014"
}
The Foo-Bar License

The Foo-Bar License

http://www.example.com/foo-bar.txt

foo_bar_meta

foo_bar_meta2

Copyright (C) {{self->year}} by {{self->holder}}.

This is free software, licensed under {{self->name}}.

The Foo-Bar License

Well... this is only some sample text. I'm true... only sample text!!!

Yes, spanning more lines and more paragraphs.

---

abstract: 'packages that provide templated software licenses'
author:
- 'Ricardo Signes <rjbs@cpan.org>'
build_requires:
  Test::More: '0.96'
  Try::Tiny: '0'
configure_requires:
  ExtUtils::MakeMaker: '6.30'
dynamic_config: 0
generated_by: 'Dist::Zilla version 5.014, CPAN::Meta::Converter version 2.140640'
license: perl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: '1.4'
nname: Software-License
requires:
  Carp: '0'
  Data::Section: '0'
  File::Spec: '0'
  IO::Dir: '0'
  Module::Load: '0'
  Sub::Install: '0'
  Text::Template: '0'
parent: '0'
perl: '5.006'
strict: '0'
warnings: '0'
resources:
  bugtracker: https://github.com/rjbs/Software-License/issues
  homepage: https://github.com/rjbs/Software-License
  repository: https://github.com/rjbs/Software-License.git
version: '0.103010'
x_Dist_Zilla:
  perl:
    version: '5.019010'
plugins:
  - class: Dist::Zilla::Plugin::Git::GatherDir
    name: '@RJBS/Git::GatherDir'
    version: '2.020'
  - class: Dist::Zilla::Plugin::CheckPrereqsIndexed
    name: '@RJBS/CheckPrereqsIndexed'
    version: '0.011'
  - class: Dist::Zilla::Plugin::CheckExtraTests
    name: '@RJBS/CheckExtraTests'
    version: '0.021'
  - class: Dist::Zilla::Plugin::PromptIfStale
    config:
      Dist::Zilla::Plugin::PromptIfStale:
        check_all_plugins: 0
        check_all_prereqs: 0
      modules:
        - Dist::Zilla::PluginBundle::RJBS
      phase: build
      skip: []
version: '5.014'
-
class: Dist::Zilla::Plugin::ConfirmRelease
name: '@RJBS/@Filter/ConfirmRelease'
version: '5.014'
-
class: Dist::Zilla::Plugin::UploadToCPAN
name: '@RJBS/@Filter/UploadToCPAN'
version: '5.014'
-
class: Dist::Zilla::Plugin::MakeMaker
config:
  Dist::Zilla::Role::TestRunner:
    default_jobs: 9
name: '@RJBS/MakeMaker'
version: '5.014'
-
class: Dist::Zilla::Plugin::AutoPrereqs
name: '@RJBS/AutoPrereqs'
version: '5.014'
-
class: Dist::Zilla::Plugin::Git::NextVersion
name: '@RJBS/Git::NextVersion'
version: '2.020'
-
class: Dist::Zilla::Plugin::PkgVersion
name: '@RJBS/PkgVersion'
version: '5.014'
-
class: Dist::Zilla::Plugin::MetaConfig
name: '@RJBS/MetaConfig'
version: '5.014'
-
class: Dist::Zilla::Plugin::MetaJSON
name: '@RJBS/MetaJSON'
version: '5.014'
-
class: Dist::Zilla::Plugin::NextRelease
name: '@RJBS/NextRelease'
version: '5.014'
-
class: Dist::Zilla::Plugin::Test::ChangesHasContent
name: '@RJBS/Test::ChangesHasContent'
version: '0.006'
-
class: Dist::Zilla::Plugin::PodSyntaxTests
name: '@RJBS/PodSyntaxTests'
version: '5.014'
class: Dist::Zilla::Plugin::ReportVersions::Tiny
name: '@RJBS/ReportVersions::Tiny'
version: '1.10'

class: Dist::Zilla::Plugin::Prereqs
config:
  Dist::Zilla::Plugin::Prereqs:
    phase: test
    type: requires
  name: '@RJBS/TestMoreWithSubtests'
  version: '5.014'

class: Dist::Zilla::Plugin::PodWeaver
config:
  Dist::Zilla::Plugin::PodWeaver:
    config_plugins:
      - '@RJBS'
    finder:
      - ':InstallModules'
      - ':ExecFiles'
    plugins:
      -
        class: Pod::Weaver::Plugin::EnsurePod5
        name: '@CorePrep/EnsurePod5'
        version: '4.006'
      -
        class: Pod::Weaver::Plugin::H1Nester
        name: '@CorePrep/H1Nester'
        version: '4.006'
      -
        class: Pod::Weaver::Plugin::SingleEncoding
        name: '@RJBS/SingleEncoding'
        version: '4.006'
      -
        class: Pod::Weaver::Section::Name
        name: '@RJBS/Name'
        version: '4.006'
      -
        class: Pod::Weaver::Section::Version
        name: '@RJBS/Version'
        version: '4.006'
      -
        class: Pod::Weaver::Section::Region
        name: '@RJBS/Prelude'
        version: '4.006'
      -
        class: Pod::Weaver::Section::Generic
class: Dist::Zilla::Plugin::FinderCode
name: ':NoFiles'
version: '5.014'
zilla:
class: Dist::Zilla::Dist::Builder
config:
is_trial: '0'
version: '5.014'
#!perl

use strict;
use warnings;

use Test::More tests => 26;
use Software::LicenseUtils;
use Try::Tiny;

sub _hack_guess_license_from_meta {
    my $license_str = shift;
    my @guess;
    try {
        my $hack = 'license : ' . $license_str;
        @guess = Software::LicenseUtils->guess_license_from_meta($hack);
    };
    return @guess;
}

my @cpan_meta_spec_licence_name = qw(a
gpl_3
apache_1_1
apache_2_0
artistic_1
artistic_2
bsd
freebsd
gfdl_1_2
gfdl_1_3
GPL_1
GPL_2
GPL_3
LGPL_2_1
LGPL_3_0
mit
mozilla_1_0
mozilla_1_1
openssl
perl_5
qpl_1_0
ssleay
sun
zlib
);

foreach my $license_name (@cpan_meta_spec_licence_name) {
my @guess = _hack_guess_license_from_meta($license_name);
ok(@guess, "$license_name -> @guess");
}

is_deeply(
    [ Software::LicenseUtils->guess_license_from_meta_key('artistic_2', 2) ],
    [ 'Software::License::Artistic_2_0' ],
);

is_deeply(
    [ Software::LicenseUtils->guess_license_from_meta_key('gpl_3', 2) ],
    [ 'Software::License::GPL_3' ],
);

is_deeply(
    [ Software::LicenseUtils->guess_license_from_meta_key('gpl_3', 1) ],
    [ ],
);

done_testing;
#!perl
use strict;
use warnings;

use Test::More tests => 6;

my $class = 'Software::LicenseUtils';
require_ok($class);

my $license = $class->new_from_short_name(
    short_name => 'GPL-1',
    holder => 'X. Ample'
);

is($license->holder, 'X. Ample', '(c) holder');
is($license->year, (localtime)[5]+1900, '(c) year');
isa_ok($license,'Software::License::GPL_1','license class');
like($license->name, qr/version 1/i, "license name");
like($license->fulltext, qr/general public/i, "license text");
Revision history for Software-License

0.103010  2014-03-29 22:13:19-04:00 America/New_York
   - fix guess_license_from_pod's return on GPL licenses
     (thanks, Syohei YOSHIDA!)

0.103009  2014-02-20 22:19:45-05:00 America/New_York
   - Updated FSF mailing address in license text for GFDL versions 1.2,
     GPL versions 1 & 2, and LGPL 2.1

0.103008  2013-11-16 22:37:14 America/New_York
   - faster! thanks, charsbar!
   - add new_from_short_name to LicenseUtils for spdx.org-style
     short names; thanks, Dominique Dumont!
   - avoid double trailing dots in expanded licenses; thanks, Dave Rolsky!
   - fix some errors in (3-clause) BSD license text
   - the 2-clause BSD ("FreeBSD") license no longer incorrectly puts
     "FreeBSD" as the owner in the license full text

0.103007  2013-10-26 19:57:05 America/New_York
   fix regex to allow guessing from meta things like perl_5 (thanks, Kevin Dawson!)

   replace 'use base' with 'use parent'

0.103006  2013-10-20 14:17:53 America/New_York
   try harder to identify licenses from all installed License classes;
   this is an @INC-scanning change, so be vigilant; thanks, David Golden!

0.103005  2012-12-08 16:15:30 America/New_York
   add MPL 2.0 (thanks, Bernhard Amann)

0.103004  2011-11-02 21:44:26 America/New_York
   update FSFs address

0.103003  2011-10-31 23:14:47 America/New_York
   use more direct links to GFDL 1.2 and 1.3

0.103002  2011-06-01 22:34:06 America/New_York
   add GFDL 1.3

0.103001  2011-04-28 07:20:39 America/New_York
   re-import text of GPL 1 and 2 to get new FSF address (RT #67795)

0.103000  2011-03-31 22:31:03 America/New_York
   improve method dependency chains (thanks, Flavio Poletti)
add Custom license to stick the whole license in a file
-- still probably a bit experimental -- thanks, Flavio Poletti

0.102341 2010-12-11 10:22:56 America/New_York
add note to Artistic 2 that it's GPL compatible

0.102340 2010-08-22 23:25:01 America/New_York
add PostgreSQL

0.102250 2010-08-13 09:54:29 America/New_York
alter the output of None to look a bit less repetitive (ABRAXXA)

0.101620 2010-06-11 19:14:03 America/New_York
LGPL_3_0 now includes GPL_3 in its fulltext (RT #47135)

0.101600 2010-06-09 07:50:11 America/New_York
"None" should be "restrictive" on 1.4, not "restricted"

0.101410 2010-05-21 07:41:57 America/New_York
Artistic licenses' meta2_name should not have a trailing _0

0.101370 2010-05-17 19:07:27 America/New_York
add the meta2_name method for META.json files in schema v2

0.016 2010-05-01
added the None and CC0_1_0 licenses for the far ends of the spectrum
(thanks to Brian Phillips for None)

0.015 2010-03-26
up the Test::More prereq

0.014 2010-03-23
add meta_name to almost all remaining licenses, and add a test

0.013 2010-03-18
add meta_name to Artistic 2 (thanks, Bernardo Rechea)

0.012 2009-05-22
added guess_license_from_meta which is both JSON and YAML compatible
(BRICAS)

0.011 2009-05-19
clarify references to Perl in Perl_5 license
rename things that were YAML-specific to just be "meta"

0.010 2009-04-14
add url methods where they were missing (Shlomi Fish)
add repo loc to metadata

fix behavior when guessing multiple items from meta.yml
(RT #36805, thanks bricas!)

fix detection of the various GNU licences

refactor inline template logic out to Data::Section

add meta_yml_name method

documentation fixes

[CHANGES THAT WILL BREAK YOUR CODE]
_from_pm is now _from_pod
"guess" methods return a list

[ENHANCEMENTS]
guess_license_from_meta_yml (thanks, Brian Cassidy!)

added Software::LicenseUtils (by request)
added ->url method to licenses
fix POD for Mozilla 1.1
add LGPL 3

minor packaging fixes

pre-release for public evaluation

GNU AFFERO GENERAL PUBLIC LICENSE
Version 3, 19 November 2007

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use strict;
use warnings;

use Test::More 0.88;

my @files = <lib/Software/License/*.pm>;

for my $module (@files) {
    # It's retired. Dunno if it's okay to be open_source. Punt!
    next if $module =~ /Sun.pm$/;

    my $pkg = $module;
    $pkg =~ s{^lib/}{};
    $pkg =~ s{.pm$}{};
    $pkg =~ s{/}{::}g;

    eval "require $pkg; 1";

    ok(defined $pkg->meta_name, "$pkg provide meta_name");
}

done_testing;

use Test::More;

use Software::License::Custom;

my $slc = Software::License::Custom->new(
    holder => 'A. U. Thor',
    year => 1972,
    filename => 't/custom-license'
);
isa_ok($slc, 'Software::License');

is($slc->name, 'The Foo-Bar License', 'name');
is($slc->url, 'http://www.example.com/foo-bar.txt', 'url');
is($slc->meta_name, 'foo_bar_meta', 'meta_name');
is($slc->meta2_name, 'foo_bar_meta2', 'meta2_name');
is($slc->notice, <<'END_OF_NOTICE', 'notice');
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    Well... this is only some sample text. I'm true... only sample text!!!

    Yes, spanning more lines and more paragraphs.
END_OF_LICENSE
is($slc->fulltext, <<'END_OF_FULLTEXT', 'fulltext');
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    Well... this is only some sample text. I'm true... only sample text!!!

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END_OF_FULLTEXT

done_testing;

1.1308 liblz4-1 1.8.3-1

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1.1309 ply 3.4

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Metadata-Version: 1.0
Name: ply
Version: 3.4
Summary: Python Lex & Yacc
Home-page: http://www.dabeaz.com/ply/
Author: David Beazley
Author-email: dave@dabeaz.com
License: BSD
Description:

PLY is yet another implementation of lex and yacc for Python. Some notable features include the fact that its implemented entirely in Python and it uses LALR(1) parsing which is efficient and well suited for larger grammars.

PLY provides most of the standard lex/yacc features including support for empty productions, precedence rules, error recovery, and support for ambiguous grammars.

PLY is extremely easy to use and provides very extensive error checking. It is compatible with both Python 2 and Python 3.

Platform: UNKNOWN
Classifier: Programming Language :: Python :: 3
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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:

```python
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:

```python
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 2.2 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.
A Google group for PLY can be 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 2.2 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.

# calc.py
#
# A simple calculator with variables.
#
tokens = (  
    'NAME','NUMBER',  
    'PLUS','MINUS','TIMES','DIVIDE','EQUALS',  
    'LPAREN','RPAREN',  
)

# Tokens

  t_PLUS    = r'\+'
  t_MINUS   = r'-'
  t_TIMES   = r'\*'  
  t_DIVIDE  = r'/'

# Tokens

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

# Ignored characters

# Ignored characters

# Precedence rules for the arithmetic operators
precedence = [
    ('left','PLUS','MINUS'),
    ('left','TIMES','DIVIDE'),
    ('right','UMINUS'),
]

# dictionary of names (for storing variables)

# Precedence rules for the arithmetic operators
precedence = (p Statement: NAME EQUALS expression
    names[p[1]] = p[3]
    p Statement: expression
    print(p[1])
    p_expression_binop(p):
        "expression : expression PLUS expression
        | expression MINUS expression
        | expression TIMES expression
        | expression DIVIDE expression"

import ply.lex as lex
lex.lexer = lex()
```python

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 '{}".format(p[1]))
        p[0] = 0

def p_error(p):
    print("Syntax error at '{}'".format(p.value))

import ply.yacc as yacc
yacc.yacc()

while 1:
    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. To contact me about bugs and/or new features, please send email to dave@dabeaz.com.
In addition there is a Google group for discussing PLY related issues at

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-- Dave

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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.

Ackeret, Matt
Adler, Mark
Allbery, Russ
Anderson, Jamie
Andrew, Nick
Andric, Dimitry
Barron, Danny
Bates, Tom
Behan, Zdenk
Bellis, Ray
Benali, Elias
Beverly, Jamie
Boardman, Spider
Bostley, P.J.
Bowes, Keith
Boyce, Keith Garry
Brantley, Michael
Braun, Rob
Bezina, Pavel
Brooks, Piete
Brown, Jerry
Burr, Michael E
Burton, Ross
Bussjaeger, Andreas
Calvin, Gary
Campbell, Aaron
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ek, Vtzslav
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Markham, Paul
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Miller, Todd C.
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Morris, Charles
Mueller, Andreas
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Nieusma, Jeff
Nikitser, Peter A.
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Rowe, William A., Jr.
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SATO, Yuichi
Sanchez, Wilfredo
Saucier, Jean-Francois
Schoenfeld, Patrick
Schuring, Arno
Schwarze, Ingo
Scott, Dougal
Sieger, Nick
Simon, Thor Lancelot
The following people have worked to translate sudo into other languages:

Blittermann, Mario
Bogusz, Jakub
Casagrande, Milo
Castro, Felipe
Chornoivan, Yuri
Diguez, Francisco
Ferreira, Rafael
Garca-Fontes, Walter
Gezer, Volkan
Hamasaki, Takeshi
Hamming, Peter
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Clarification letter:

The following was received February 23, 2000
From: "Linn, John" <jlinn@rsasecurity.com>

February 19, 2000

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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283  15066

0.4.2/pyasn1/codec/der/decoder.py
* /opt/ws_local/PERMITS_SQL/1063014886_1592948799.99/0/pyasn1-0-4-2-orig-1-tar-gz/pyasn1-0.4.2/pyasn1/type/namedval.py
* /opt/ws_local/PERMITS_SQL/1063014886_1592948799.99/0/pyasn1-0-4-2-orig-1-tar-gz/pyasn1-0.4.2/tests/codec/ber/__main__.py
* /opt/ws_local/PERMITS_SQL/1063014886_1592948799.99/0/pyasn1-0-4-2-orig-1-tar-gz/pyasn1-0.4.2/pyasn1/type/opentype.py
* /opt/ws_local/PERMITS_SQL/1063014886_1592948799.99/0/pyasn1-0-4-2-orig-1-tar-gz/pyasn1-0.4.2/pyasn1/type/constraint.py
* /opt/ws_local/PERMITS_SQL/1063014886_1592948799.99/0/pyasn1-0-4-2-orig-1-tar-gz/pyasn1-0.4.2/tests/type/test_namedtype.py
* /opt/ws_local/PERMITS_SQL/1063014886_1592948799.99/0/pyasn1-0-4-2-orig-1-tar-gz/pyasn1-0.4.2/pyasn1/type/tag.py
* /opt/ws_local/PERMITS_SQL/1063014886_1592948799.99/0/pyasn1-0-4-2-orig-1-tar-gz/pyasn1-0.4.2/pyasn1/type/namedtype.py
* /opt/ws_local/PERMITS_SQL/1063014886_1592948799.99/0/pyasn1-0-4-2-orig-1-tar-gz/pyasn1-0.4.2/setup.py
* /opt/ws_local/PERMITS_SQL/1063014886_1592948799.99/0/pyasn1-0-4-2-orig-1-tar-gz/pyasn1-0.4.2/tests/codec/ber/test_decoder.py
* /opt/ws_local/PERMITS_SQL/1063014886_1592948799.99/0/pyasn1-0-4-2-orig-1-tar-gz/pyasn1-0.4.2/tests/base.py
* /opt/ws_local/PERMITS_SQL/1063014886_1592948799.99/0/pyasn1-0-4-2-orig-1-tar-gz/pyasn1-0.4.2/tests/type/__main__.py
* /opt/ws_local/PERMITS_SQL/1063014886_1592948799.99/0/pyasn1-0-4-2-orig-1-tar-gz/pyasn1-0.4.2/pyasn1/type/tagmap.py
* /opt/ws_local/PERMITS_SQL/1063014886_1592948799.99/0/pyasn1-0-4-2-orig-1-tar-gz/pyasn1-0.4.2/pyasn1/error.py
* /opt/ws_local/PERMITS_SQL/1063014886_1592948799.99/0/pyasn1-0-4-2-orig-1-tar-gz/pyasn1-0.4.2/pyasn1/c codec/ber/eoo.py
* /opt/ws_local/PERMITS_SQL/1063014886_1592948799.99/0/pyasn1-0-4-2-orig-1-tar-gz/pyasn1-0.4.2/tests/codec/native/test_decoder.py
* /opt/ws_local/PERMITS_SQL/1063014886_1592948799.99/0/pyasn1-0-4-2-orig-1-tar-gz/pyasn1-0.4.2/pyasn1/debug.py
* /opt/ws_local/PERMITS_SQL/1063014886_1592948799.99/0/pyasn1-0-4-2-orig-1-tar-gz/pyasn1-0.4.2/tests/type/test_tag.py
* /opt/ws_local/PERMITS_SQL/1063014886_1592948799.99/0/pyasn1-0-4-2-orig-1-tar-gz/pyasn1-0.4.2/tests/codec/native/__main__.py
* /opt/ws_local/PERMITS_SQL/1063014886_1592948799.99/0/pyasn1-0-4-2-orig-1-tar-gz/pyasn1-0.4.2/pyasn1/compat/dateandtime.py
* /opt/ws_local/PERMITS_SQL/1063014886_1592948799.99/0/pyasn1-0-4-2-orig-1-tar-gz/pyasn1-0.4.2/pyasn1/type/useful.py
* /opt/ws_local/PERMITS_SQL/1063014886_1592948799.99/0/pyasn1-0-4-2-orig-1-tar-gz/pyasn1-0.4.2/pyasn1/code cer/encoder.py
* /opt/ws_local/PERMITS_SQL/1063014886_1592948799.99/0/pyasn1-0-4-2-orig-1-tar-gz/pyasn1-0.4.2/tests/compat/test_octets.py
* /opt/ws_local/PERMITS_SQL/1063014886_1592948799.99/0/pyasn1-0-4-2-orig-1-tar-gz/pyasn1-0.4.2/tests/compat/test_integer.py
* /opt/ws_local/PERMITS_SQL/1063014886_1592948799.99/0/pyasn1-0-4-2-orig-1-tar-gz/pyasn1-0.4.2/pyasn1/codec/cer/decoder.py
* /opt/ws_local/PERMITS_SQL/1063014886_1592948799.99/0/pyasn1-0-4-2-orig-1-tar-gz/pyasn1-0.4.2/pyasn1/codec/cer/encoder.py
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* /opt/ws_local/PERMITS_SQL/1063014886_1592948799.99/0/pyasn1-0.4.2-orig-1-tar-gz/pyasn1-0.4.2/PKG-INFO
* /opt/ws_local/PERMITS_SQL/1063014886_1592948799.99/0/pyasn1-0.4.2-orig-1-tar-gz/pyasn1-0.4.2/Pyasn1.egg-info/PKG-INFO

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ASN.1 library for Python

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 on that topic.

In the following years, generations of software engineers tackled the serialisation problem many times. We can see that in Google's `Protobuf <https://developers.google.com/protobuf>` 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::
   :maxdepth: 2

   /example-use-case

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

.. toctree::
   :maxdepth: 2

   /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::
   :maxdepth: 1

/changelog

License
-------

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

.. toctree::
   :maxdepth: 2

/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.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1063014886_1592948799.99/0/pyasn1-0-4-2-orig-1-tar-gz/pyasn1-0.4.2/docs/source/contents.rst

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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) by Olivier Dubuisson is one of those high quality books freely available on the Internet.

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(0).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’):

```python
>>> record = Record()
>>> record[‘id’] = 123
>>> record[‘room’] = 321
>>> str(record)
Record:
id=123
room=321

``` 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

``` 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
```
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
>>> from pyasn1.codec.native.encoder import encode
>>> encode(record)
{'id': 123, 'room': 321, 'house': 0}
```

Or vice-versa -- you can initialize an ASN.1 structure from a tree of Python objects:

```python
>>> from pyasn1.codec.native.decoder import decode
>>> record = decode({'id': 123, 'room': 321, 'house': 0}, asn1Spec=Record())
>>> str(record)
Record:
 id=123
 room=321
```

With ASN.1 design, serialisation codecs are decoupled from data objects, so you could turn every single ASN.1 object into many different serialised forms. As of this moment, `pyasn1` supports BER, DER, CER and Python built-ins codecs. The extremely compact PER encoding is expected to be introduced in the upcoming pyasn1 release.

More information on `pyasn1` APIs can be found in the [documentation](http://snmplabs.com/pyasn1/), compiled ASN.1 modules for different protocols and file formats could be found in the pyasn1-modules [repo](https://github.com/etingof/pyasn1-modules).

How to get `pyasn1`
------------------

The `pyasn1` package is distributed under terms and conditions of 2-clause BSD [license](http://snmplabs.com/pyasn1/license.html). Source code is freely available as a GitHub [repo](https://github.com/etingof/pyasn1).

You could `pip install pyasn1` or download it from [PyPI](https://pypi.python.org/pypi/pyasn1).

If something does not work as expected, [open an issue](https://github.com/etingof/pyasn1/issues) at GitHub or post your question [on Stack Overflow](http://stackoverflow.com/questions/ask)
or try browsing pyasn1
[mailing list archives](https://sourceforge.net/p/pyasn1/mailman/pyasn1-users/).

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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[1]-licensed code is not allowed to be linked with code licensed under the Original BSD license (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[2]. This particular problem was addressed when the Modified BSD license was created, which does not have the announcement clause that collides with GPL.

libcurl http://curl.haxx.se/docs/copyright.html

Uses an MIT (or Modified BSD)-style license that is as liberal as possible.

OpenSSL https://www.openssl.org/source/license.html

(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 http://www.gnults.org/

(May be used for SSL/TLS support) Uses the LGPL[3] 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.

WolfSSL https://www.wolfssl.com/

(May be used for SSL/TLS support) Uses the GPL[1] license or a proprietary license. If this is a problem for you, consider using another TLS library.

NSS https://developer.mozilla.org/en-US/docs/Mozilla/Projects/NSS

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grant you different permissions and impose different obligations. You should select the license that best meets your needs.

axTLS  http://axtls.sourceforge.net/

(May be used for SSL/TLS support) Uses a Modified BSD-style license.

mbedTLS https://tls.mbed.org/

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BoringSSL https://boringssl.googlesource.com/

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

libressl http://www.libressl.org/

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

c-ares  http://daniel.haxx.se/projects/c-ares/license.html

(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    http://www.zlib.net/zlib_license.html

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

MIT Kerberos http://web.mit.edu/kerberos/www/dist/

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

Heimdal http://www.h5l.org

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GNU GSS https://www.gnu.org/software/gss/

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curl to also link and use any Original BSD licensed libraries!

libidn http://josefsson.org/libidn/

(Used for IDNA support) Uses the GNU Lesser General Public License [3]. LGPL is a variation of GPL with slightly less aggressive "copyleft". This license requires more requirements to be met when distributing binaries, see the license for details. Also note that if you distribute a binary that includes this library, you must also include the full LGPL license text. Please properly point out what parts of the distributed package that the license addresses.

OpenLDAP http://www.openldap.org/software/release/license.html

(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 http://www.libssh2.org/

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

[1] = GPL - GNU General Public License: https://www.gnu.org/licenses/gpl.html
[2] = https://www.gnu.org/licenses/gpl-faq.html#GPLIncompatibleLibs details on how to write such an exception to the GPL

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Upstream-Name: curl
Source: http://curl.haxx.se

Files: *
Copyright: 1996-2015, Daniel Stenberg <daniel@haxx.se>
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Files: lib/vtls/axtls.*
Copyright: 2010, DirecTV
2010-2015, Daniel Stenberg <daniel@haxx.se>
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Files: lib/curl_rtmp.*
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Files: lib/vtls/schannel.*
Copyright: 2012-2014, Marc Hoersken <info@marc-hoersken.de>
2012, Mark Salisbury <mark.salisbury@hp.com>
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Files: lib/inet_pton.c
lib/inet_ntop.c
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Files: lib/md4.c
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Files: lib/openldap.*
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Files: lib/vtls/polarssl.*
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Files: lib/socks_gssapi.c
lib/socks_sspi.*
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tests/certs/scripts/genserv.sh
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Files: tests/server/fake_ntlm.c
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Files: docs/examples/fopen.c
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1.1330 google-auth 1.27.0

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* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-jar/joptsimple/AlternativeLongOptionSpec.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-jar/joptsimple/OptionParserState.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-jar/joptsimple/UnconfiguredOptionException.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-jar/joptsimple/AbstractOptionSpec.java
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* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-jar/joptsimple/UnavailableOptionException.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-jar/joptsimple/OptionDescriptor.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-jar/joptsimple/ValueConversionException.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-jar/joptsimple/OptionParser.java
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* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-jar/joptsimple/util/EnumConverter.java

1.1332 jinja2 2.8
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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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1.1337 stream-browserify 2.0.1

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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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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.

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1.1348 qs 6.2.0

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1.1349 safe-buffer 5.1.1

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1.1350 zlib1g 1:1.2.11.dfsg-1

1.1351 encode-uri-query 1.0.0

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1.1352 libcwidget3v5 0.5.17-7

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1.1358 netcat 1.10 41.1

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* /opt/cola/permits/1110631072_1606841294.0/0/validation-api-1-1-0-final-sources-3.jar/javax/validation/validation/ConstraintValidator.java
* /opt/cola/permits/1110631072_1606841294.0/0/validation-api-1-1-0-final-sources-3.jar/javax/validation/validation/ConstraintDeclarationException.java
* /opt/cola/permits/1110631072_1606841294.0/0/validation-api-1-1-0-final-sources-3.jar/javax/validation/constraints/Min.java

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* /opt/cola/permits/1110631072_1606841294.0/0/validation-api-1-1-0-final-sources-3.jar/javax/validation/metadata/MethodDescriptor.java

1.1362 zkclient 0.7
1.1363 amdefine 1.0.1

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1.1367 fs.realpath 1.0.0

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1.1368 mtrace 1.8.0_112

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This package was debianized by Sam Hartman <hartmans@permabit.com> on

It was downloaded from:

<http://web.mit.edu/kerberos/>

Upstream Maintainers:

MIT Kerberos Team <krbdev@mit.edu>

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lib/gssapi/generic/gssapi_err_generic.et
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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
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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Found in path(s):
* /opt/cola/permits/1132421808_1613177436.31/0/airline-0-6-sources-2-jar/io/airlift/command/ParseCommandMissingException.java
* /opt/cola/permits/1132421808_1613177436.31/0/airline-0-6-sources-2-jar/io/airlift/command/ParseException.java
* /opt/cola/permits/1132421808_1613177436.31/0/airline-0-6-sources-2-jar/io/airlift/command/ParseOptionConversionException.java
* /opt/cola/permits/1132421808_1613177436.31/0/airline-0-6-sources-2-jar/io/airlift/command/ParseOptionMissingException.java
* /opt/cola/permits/1132421808_1613177436.31/0/airline-0-6-sources-2-jar/io/airlift/command/Command.java
* /opt/cola/permits/1132421808_1613177436.31/0/airline-0-6-sources-2-jar/io/airlift/command/ParseCommandUnrecognizedException.java
* /opt/cola/permits/1132421808_1613177436.31/0/airline-0-6-sources-2-jar/io/airlift/command/ParseArgumentsUnexpectedException.java
* /opt/cola/permits/1132421808_1613177436.31/0/airline-0-6-sources-2-jar/io/airlift/command/Option.java
* /opt/cola/permits/1132421808_1613177436.31/0/airline-0-6-sources-2-jar/io/airlift/command/SingleCommand.java
* /opt/cola/permits/1132421808_1613177436.31/0/airline-0-6-sources-2-jar/io/airlift/command/Cli.java
* /opt/cola/permits/1132421808_1613177436.31/0/airline-0-6-sources-2-jar/io/airlift/command/Arguments.java
* /opt/cola/permits/1132421808_1613177436.31/0/airline-0-6-sources-2-jar/io/airlift/command/ParseArgumentsMissingException.java
* /opt/cola/permits/1132421808_1613177436.31/0/airline-0-6-sources-2-jar/io/airlift/command/ParseOptionMissingValueException.java

1.1386 liblzma-dev 5.2.4-1
1.1386.1 Available under license:

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

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<signature of Ty Coon>, 1 April 1989
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* /opt/cola/permits/1111264090_1606893107.87/0/spring-web-3-2-8-release-sources-1-jar/org/springframework/http/client/BufferingClientHttpRequestFactory.java
* /opt/cola/permits/1111264090_1606893107.87/0/spring-web-3-2-8-release-sources-1-jar/org/springframework/web/multipart/support/AbstractMultipartHttpServletRequest.java
* /opt/cola/permits/1111264090_1606893107.87/0/spring-web-3-2-8-release-sources-1-jar/org/springframework/web/multipart/support/ByteArrayMultipartFileEditor.java
jar/org/springframework/http/server/ServerHttpRequest.java
* /opt/cola/permits/1111264090_1606893107.87/0/spring-web-3-2-8-release-sources-1-jar/org/springframework/remoting/httpinvoker/HttpInvokerRequestExecutor.java
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* /opt/cola/permits/1111264090_1606893107.87/0/spring-web-3-2-8-release-sources-1-jar/org/springframework/http/client/support/InterceptingHttpRequestFactory.java
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* /opt/cola/permits/1111264090_1606893107.87/0/spring-web-3-2-8-release-sources-1-jar/org/springframework/remoting/httpinvoker/SimpleHttpInvokerRequestExecutor.java
* /opt/cola/permits/1111264090_1606893107.87/0/spring-web-3-2-8-release-sources-1-jar/org/springframework/http/HttpRequest.java
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* /opt/cola/permits/1111264090_1606893107.87/0/spring-web-3-2-8-release-sources-1-jar/org/springframework/remoting/httpinvoker/HttpInvokerRequestExecutor.java
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* /opt/cola/permits/1111264090_1606893107.87/0/spring-web-3-2-8-release-sources-1-jar/org/springframework/http/converter/feed/RssChannelHttpMessageConverter.java
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* /opt/cola/permits/1111264090_1606893107.87/0/spring-web-3-2-8-release-sources-1-jar/org/springframework/http/HttpInputMessage.java
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* /opt/cola/permits/1111264090_1606893107.87/0/spring-web-3-2-8-release-sources-1-jar/org/springframework/remoting/jaxws/JaxWsPortProxyFactoryBean.java
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* /opt/cola/permits/1111264090_1606893107.87/0/spring-web-3-2-8-release-sources-1-
1.1397 @babel/plugin-syntx-object-rest-spread 7.2.0

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1.1400 jackson-dataformat-yaml 2.10.2

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1.1401 sysvinit-utils 2.88dsf-59

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The of the start-stop-daemon

* A rewrite of the original Debian's start-stop-daemon Perl script
* in C (faster - it is executed many times during system startup).
* Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>,
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1.1402 asap 2.0.5

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1.1403 maglev-utils 1.5.1

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Metadata-Version: 2.0
Name: maglev-utils
Version: 1.5.1
Summary: Maglev Common Utilities (1.5.1)
# Installation

+ Requires : Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

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* /opt/cola/permits/1127087663_1612156383.29/0/maglev-utils-1-5-1-dist-info-
zip/inputdir/packages_extracted.tar/1/packages_extracted/21/packages_extracted/opt/maglev/lib/python3.5/site-
packages/maglev_utils-1.5.1.dist-info/METADATA

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1.1404 babel-plugin-syntax-jsx 6.18.0

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1.1406 webrick 1.6.1

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1.1407 babel-plugin-transform-es2015-sticky-regex 6.24.1

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1.1408 libglib2.0-dev-bin 2.58.3-2+deb10u1

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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
There are currently two explicit copyrights on portions of UnZip code (at least, of which Info-ZIP is aware): Jim Luther's Mac OS File Manager interface code; and Christopher Evans' MacBinaryIII coding code (for the MacOS port). These copyrights are discussed in more detail below.

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

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-----

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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 CONTRIBUTIONS in the source distribution for a much more complete list of contributors.
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It was downloaded from http://python.org/

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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 the various releases.

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3.2 3.1 2011 PSF yes
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Mersenne Twister
--------------

The `_random` module includes code based on a download from
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A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

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

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

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UUencode and UUdecode functions
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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
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- Arguments more compliant with python standard

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

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

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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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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

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Floating point exception control

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

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UUencode and UUdecode functions

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
  between ascii and binary. This results in a 1000-fold speedup. The C
  version is still 5 times faster, though.
- Arguments more compliant with Python standard

XML Remote Procedure Calls
---------------------------

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--------

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Original location:
https://github.com/majek/csiphash/

Solution inspired by code from:
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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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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
* 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 
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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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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

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-- vile: txtmode file-encoding=utf-8
Upstream source https://invisible-island.net/ncurses/ncurses-examples.html

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

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This package is used for testing builds of ncurses.

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  jar/zipkin/storage/mysql/DependencyLinkSpanIterator.java
* /opt/cola/permits/1176282565_1624666886.99/0/zipkin-storage-mysql-1-20-1-sources-
  jar/zipkin/storage/mysql/MySQLStorage.java
* /opt/cola/permits/1176282565_1624666886.99/0/zipkin-storage-mysql-1-20-1-sources-
  jar/zipkin/storage/mysql/internal/generated/Tables.java
* /opt/cola/permits/1176282565_1624666886.99/0/zipkin-storage-mysql-1-20-1-sources-
  jar/zipkin/storage/mysql/internal/generated/DefaultCatalog.java
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  jar/zipkin/storage/mysql/internal/generated/Zipkin.java
* /opt/cola/permits/1176282565_1624666886.99/0/zipkin-storage-mysql-1-20-1-sources-
  jar/zipkin/storage/mysql/HasIpv6.java
* /opt/cola/permits/1176282565_1624666886.99/0/zipkin-storage-mysql-1-20-1-sources-
  jar/zipkin/storage/mysql/internal/generated/tables/ZipkinDependencies.java
* /opt/cola/permits/1176282565_1624666886.99/0/zipkin-storage-mysql-1-20-1-sources-
  jar/zipkin/storage/mysql/HasPreAggregatedDependencies.java
* /opt/cola/permits/1176282565_1624666886.99/0/zipkin-storage-mysql-1-20-1-sources-
  jar/zipkin/storage/mysql/internal/generated/tables/ZipkinAnnotations.java
* /opt/cola/permits/1176282565_1624666886.99/0/zipkin-storage-mysql-1-20-1-sources-
  jar/zipkin/storage/mysql/MySQLSpanStore.java
* /opt/cola/permits/1176282565_1624666886.99/0/zipkin-storage-mysql-1-20-1-sources-
  jar/zipkin/storage/mysql/Schema.java
* /opt/cola/permits/1176282565_1624666886.99/0/zipkin-storage-mysql-1-20-1-sources-
  jar/zipkin/storage/mysql/HasTraceIdHigh.java
* /opt/cola/permits/1176282565_1624666886.99/0/zipkin-storage-mysql-1-20-1-sources-
  jar/zipkin/storage/mysql/MySQLSpanConsumer.java
* /opt/cola/permits/1176282565_1624666886.99/0/zipkin-storage-mysql-1-20-1-sources-
  jar/zipkin/storage/mysql/internal/generated/tables/ZipkinSpans.java
* /opt/cola/permits/1176282565_1624666886.99/0/zipkin-storage-mysql-1-20-1-sources-
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1.1415 libpam-modules 1.1.8-3.6

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1.1416 perl-base 5.24.1-3+deb9u5

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Files-Excluded-regen-configure: bin/*
Upstream-Name: perl
Source: http://www.perl.com/CPAN/src/5.0/
Comment:
This package was debianized by Brendan O'Dea <bod@debian.org> on Thu, 17 Aug 2000 16:10:54 +1000.

Upstream Authors:

Larry Wall et. al. (see /usr/share/doc/perl/AUTHORS).

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dist/I18N-Collate/*
dist/Safe/*
ext/Fcntl/*
ext/FileCache/*
ext/GDBM_File/*
ext/IPC-Open2/*
ext/IPC-Open3/*
ext/NDBM_File/*
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ext/Opcode/*
ext/PerlIO-encoding/*
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1.1419 lowercase-keys 1.0.1

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1.1420 base-files 9.4ubuntu4.13

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1.1421 domutils 2.2.0

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1.1423 libss 1.42.13 1ubuntu1.2
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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:
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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 is the Debian GNU/Linux prepackaged version of the static EXT2
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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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Theodore Ts'o
23-June-2007

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<signature of Ty Coon>, 1 April 1989
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------------------------------------------

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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 15787
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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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<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice

That's all there is to it!

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

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

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

image::$(BSD_LIB)

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

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

install-strip: install

install-shlibs-strip: install-shlibs

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

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

This is the Debian GNU/Linux prepackaged version of the 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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Gadi Oxman, August 1995

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

1.1427 iucode-tool 2.3.1-1

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1.1428 commons-codec 1.10

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1.1429 @babel/helper-hoist-variables 7.0.0

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1.1430 lang-mustache-client 7.0.1

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1.1431 debuglog 1.0.1

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1.1432 libcom-err 1.45.6-r0

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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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# 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)
(cdd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cdd ..; $(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 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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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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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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Theodore Ts'o
23-June-2007

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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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 */
* @(#)author    Sun Microsystems, Inc.
* @(#)version   1.8
* @(#)lastedit  03/07/15
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  bin/examples/Relation/SimpleStandardMBean.java
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  bin/examples/MonitorMBean/MonitorAgent.java
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1. Overview

This example shows how to use the Relation Service:

- to handle relation types, i.e. metadata describing the roles that a relation of that type has to support:
  . Creation, either of simple relation types through the Relation Service, or of relation types created by the user and added into the Relation Service
  . Access
  . Deletion

- to handle relations, i.e. links between MBeans
  . Creation, either of relations not handled as MBeans and kept internally in the Relation Service, or relation MBeans,
  . Access, through the Relation Service for any relation, or direct access for relation MBean
  . Removal

- to perform queries to retrieve relations referencing a given MBean, or MBeans associated to a given MBean.

It also demonstrates the way the Relation Service maintains the consistency when MBeans referenced in relations are unregistered from the MBean server.

2. File List

This example uses the following source files:

* RelationAgent.java:
  - Creates an MBean server
  - Registers a Relation Service MBean in the MBean server
- Registers some standard MBeans in the MBean server
- Creates, access and removes relation types
- Creates, access and removes relations
- Performs queries on relations

* SimpleRelation.java:
  - A simple relation MBean class, to be used to create relation MBeans, first registered into the MBean server as MBeans, then added into the Relation Service as relations

* SimpleRelationMBean.java:
  - The management interface of the SimpleRelationMBean class

* SimpleRelationType.java:
  - A simple relation type class, to be used to create a relation type to be added in the Relation Service. This is an alternative for having to create a relation type describing it each time, here an instance does it.

* SimpleStandard.java:
  - A standard MBean, to be used in relations

* SimpleStandardMBean.java:
  - The management interface of the SimpleStandard class

To build and run this example, make sure that your PATH and CLASSPATH environment variables are correctly set to use the Java 2 platform. In addition, your CLASSPATH must also contain the JMX Reference implementation (jmxri.jar) jar files, as well as the current directory (.).

These instructions assume the classpath is set in an environment variable, though it may also be given on the command line with the -classpath option.

Copy the example source files to your working directory and type the following commands:

    cd examples/Relation
    javac *.java

To run the example using the classes you have just built, type the following command:
You then interact with the agent through the standard input and output in the window where it was launched. The RelationAgent class displays information about each management step and waits for user input before continuing.

Found in path(s):
* /opt/cola/permits/1000218365_1611179575.02/0/jmx-1-2-1-ri-2-zi
jmx-1_2_1-bin/examples/Relation/README
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 * @(#)version 1.12
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jmx-1_2_1-bin/examples/StandardMBean/SimpleStandard.java
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# @(#)author  Sun Microsystems, Inc.
# @(#)version 1.17
# @(#)lastedit 03/08/22
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---------------------------------------------------------------------------
Java(TM) Management Extensions (JMX(TM)) 1.2.1 Release Notes
---------------------------------------------------------------------------

These Release Notes contain important product notes and list known restrictions in Java Management Extensions (JMX) 1.2.1. Details of workarounds to known bugs are given where possible. In cases where there
Contents

1) JMX 1.2.1 Release Information
   I. Description
   II. Operating Environment
   III. Product Restrictions

2) JMX 1.2 Release Information
   I. JMX Tracing
   II. Product Notes
   III. Product Restrictions

1) JMX 1.2.1 Release Information

I. Description

Version 1.2.1 of the JMX Reference Implementation is an update of version 1.2, which provides some important bug fixes. It also implements the Errata for the 1.2 Maintenance Release of the Specification, which were published in July 2003.

The changes between versions 1.2 and 1.2.1 of the JMX Reference Implementation, as defined by the Errata, are as follows:

- Class loader repository can now contain additional class loaders
- Illegal identifiers no longer produce exceptions
- Notification source rewriting has been clarified
- Inconsistency between the specification document, the API documentation, and the RI regarding currencyTimeLimit has been limited
- Severity values for ModelMBeanNotificationInfo have been clarified
- Optional Model MBean fields have been clarified
- API documentation for getDomains() method of MBeanServer interface corrected
- Excessive type constraints have been removed from the relation service documentation

For more information about these changes, see the document
"Errata for JMX Specification, version 1.2" (2003/07/02), which is downloadable from http://jcp.org/aboutJava/communityprocess/final/jsr003/index3.html

Note that the JMX API Javadoc bundled with this Reference Implementation reflects the Errata, and hence differs slightly from the Javadoc in the JMX 1.2 Specification.

II. Operating Environment
~~~~~~~~~~~~~~~~~~~~~~~~~~

The binary package was built using J2SE 1.4.2 (build 1.4.2-b28).

Testing was performed on the following platforms:

- Solaris 9 operating environment, SPARC processor, with J2SE 1.3.1 and J2SE 1.4.2.
- Redhat Linux 9, with J2SE 1.4.2.

III. Product Restrictions
~~~~~~~~~~~~~~~~~~~~~~~~~~

The following is a list of known restrictions in this release.

1) BugID 4909536

The MBean server's introspection code, which analyses Standard MBean interfaces to convert them into attributes and operations, will keep a reference to the last class introspected even after the introspection is completed. Therefore, the class and its class loader cannot be garbage collected.

2) JMX 1.2 Release Information
================================

The following information is directly extracted from the release notes that accompanied version 1.2 of the JMX Reference Implementation.

I. JMX Tracing
Traces in the JMX implementation are based on the J2SE logging capability (provided by classes in the java.util.logging package). The JMX implementation uses a set of Loggers for sending traces. All Loggers are contained in the javax.management namespace, which corresponds to the name of the root package hosting all public JMX interfaces.

The list below shows the Logger objects used in this implementation and their corresponding category of activity.

<table>
<thead>
<tr>
<th>Logger Name</th>
<th>Information Logged</th>
</tr>
</thead>
<tbody>
<tr>
<td>javax.management.mbeanserver</td>
<td>Information about the MBean Server</td>
</tr>
<tr>
<td>javax.management.mlet</td>
<td>Information from an MLet service</td>
</tr>
<tr>
<td>javax.management.monitor</td>
<td>Information from a monitor</td>
</tr>
<tr>
<td>javax.management.timer</td>
<td>Information from a timer</td>
</tr>
<tr>
<td>javax.management.notification</td>
<td>Information from the notification mechanism</td>
</tr>
<tr>
<td>javax.management.relation</td>
<td>Information from the Relation Service</td>
</tr>
<tr>
<td>javax.management.modelmbean</td>
<td>Information from the Model MBean components</td>
</tr>
<tr>
<td>javax.management.misc</td>
<td>Information sent from any other class</td>
</tr>
</tbody>
</table>

The following log levels are used in JMX:

<table>
<thead>
<tr>
<th>JMX log level</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level.FINEST</td>
<td>Used to print debugging traces (useful for diagnosing the JMX implementation)</td>
</tr>
<tr>
<td>Level.FINER</td>
<td>Used to print information traces</td>
</tr>
<tr>
<td>Level.SEVERE</td>
<td>Used to notify of error conditions</td>
</tr>
</tbody>
</table>

NOTE: The JMX 1.2 tracing facility is based on java.util.logging, which is only available in J2SE 1.4. The JMX 1.2 tracing facility can still be run with earlier versions of the JDK (1.3), but in this case the JMX traces will run in a deprecated mode, and will not be available by default.

Using JMX Trace with JDK 1.3
When running the JMX technology on JDK 1.3, you can still get the traces by using a Sun proprietary API:

```java
com.sun.jmx.trace.TraceTags defines 3 level of traces:
```

```java
com.sun.jmx.trace.TraceTags.LEVEL_ERROR
com.sun.jmx.trace.TraceTags.LEVEL_TRACE
com.sun.jmx.trace.TraceTags.LEVEL_DEBUG
```

```java
com.sun.jmx.trace.TraceImplementation defines a destination for JMX traces that can be controlled by two system properties:
```

```java
com.sun.jmx.trace.level=ERROR|TRACE|DEBUG (default is ERROR) lets you define the trace level.
```

```java
com.sun.jmx.trace.file=<filename> lets you define a file in which the traces should be written. If this property is not defined, the traces, when switched on, will be printed on System.err.
```

To switch on the traces, you need to:

* Set the com.sun.jmx.trace.level and/or com.sun.jmx.trace.file properties if you want to override the default settings. You can set these properties either by using the System.setProperty(), method or by specifying their value at the Java command line.

* call one of the two following static methods:

- com.sun.jmx.trace.TraceImplementation.init(); activates the traces using the com.sun.jmx.trace.level and com.sun.jmx.trace.file properties.

- com.sun.jmx.trace.TraceImplementation.init(int level); Switch on the traces using the com.sun.jmx.trace.file property, with the given 'level'. Level must be one of:

```java
com.sun.jmx.trace.TraceTags.LEVEL_ERROR
com.sun.jmx.trace.TraceTags.LEVEL_TRACE
com.sun.jmx.trace.TraceTags.LEVEL_DEBUG
```

II. Product Notes

The following are the major issues addressed in the JMX Specification
maintenance release, v1.2:

1) New MBeanServer Superinterface

The MBeanServer interface in JMX 1.1 was not suitable for exposure to remote clients because it contained methods only appropriate for the exporter of the instrumentation and because it did not declare an appropriate exception for communication failures.

A new parent interface, javax.management.MBeanServerConnection, has been added.

2) New removeNotificationListener Methods

MBeanServer.removeNotificationListener has been updated to provide the same four-parameter methods as are available to addNotificationListener. This allows the removal of individual triples (listener, filter, handback).

In addition, a new interface, javax.management.NotificationEmitter, extends NotificationBroadcaster, adding a method to allow NotificationBroadcaster to remove specific triples.

3) Changes to the ObjectName class

The following enhancements have been made to the ObjectName class:

- Quoting mechanism for values
  A value in a key property list can be surrounded by quotes to avoid problems with special characters. See the API documentation generated by the Javadoc(TM) tool for the ObjectName class.

- Newline characters
  Newline characters ('\n') are not permitted in any part of an ObjectName, unless they are represented in a quoted value with the sequence '\n'.

- Factory methods for creating object names
  Previously, object names could only be obtained by invoking one of the constructors. In JMX 1.2, four new getInstance() factory methods are provided to obtain object names. This allows an implementation to return the same ObjectName instance for the same arguments, and to return a private optimized subclass of ObjectName.
- **ObjectName.equals**
  The semantics of the ObjectName.equals() methods have been clarified when there is a property pattern present, as follows:
  * getKeyPropertyListString does not include any indication of whether the ObjectName is a property pattern
  * getCanonicalName includes a trailing ",*" if the ObjectName is a property pattern (or just "*" if there are no other properties)
  * equals compares the getCanonicalName values

- **ObjectName implements QueryExp**
  By implementing the QueryExp interface, queries can match ObjectNames to given ObjectName patterns by using the QueryExp.apply() method. This allows ObjectNames to be included in complex queries.

- **ObjectName.isDomainPattern()**
  A new method, isDomainPattern() is provided to determine whether the ObjectName is a pattern on the domain part.

- **Clarified rules regarding characters**
  The rules regarding which characters can be used in which circumstances have been clarified, as follows:
  * A domain can contain any character except colon (:) 
  * A key can contain any character except colon (:), asterisk (*), comma (,), equals (=), or query (?) 
  * An unquoted value can contain any character except colon (:), asterisk (*), comma (,), equals (=), or query (?) 
  * A quoted value can contain any character provided the quoting conventions are followed

5) **Class Loading and Naming**

The following enhancements have been made to class loading and naming:
- **MBeanInfo.getClassName clarified**
- **MBeanServer.isInstanceOf clarified**
- **RoleInfo no longer performs checks on the MBean class names it is given. This check is now done on creation of a relation instance, using the MBeanServer.isInstanceOf method**
- **Class Loader Repository (CLR) enhanced:**
  * New marker interface, javax.management.loading.PrivateClassLoader
  * Risk of deadlock removed from MLet delegation
  * Class loaders in the CLR are now consulted in a specific order
- **Every MBeanServer has its own CLR**
- New MBeanServer methods to replace the deserialize() methods, that are now deprecated:
  * getClassLoaderFor()
  * getClassLoader()
  * getClassLoaderRepository()

6) MBean Access Control

The JMX 1.2 specification allows administrators to control access to the MBeanServer and to individual MBean APIs. This new security is provided by mechanisms present in the Java 2 platform security architecture and the Java Authentication and Authorization Service (JAAS).

MBeanServer access control is provided by the class MBeanServerPermission, an extension of java.security.BasicPermission, that was introduced in JMX 1.1.

Access to MBeans is controlled by the new MBeanPermission class, which also extends java.security.Permission.

Another new class, MBeanTrustPermission, extending java.security.BasicPermission, verifies that only MBeans from trusted codebases register with an MBeanServer.

7) User-Supplied Factory for MBeanServer Instances

A new mechanism has been introduced to specify how MBeanServer objects are instantiated by the MBeanServerFactory.

8) MBeanInfo Enhancements

The following enhancements have been made to the MBean*Info classes:

- MBean*Info classes implement equals(object).
  Each of the MBean*Info classes overrides the Object.equals(object) method to compare for equality rather than identity. This is useful because JMX allows an MBean to change its MBeanInfo at any time. A remote client can test whether this has happened by comparing the result of MBeanServer.getMBeanInfo against a previous value.

- MBeanConstructorInfo does not have to be exhaustive.
  If you use createMBean to construct an MBean with a given
constructor, it is not an error for that constructor not to be in the new MBean's MBeanConstructorInfo array returned by getMBeanInfo().

- MBean*Info constructors check for valid Java identifiers:
  * In MBeanAttributeInfo, MBeanOperationInfo, and MBeanParameterInfo "name" must be a syntactically valid Java identifier and "type" must be a syntactically valid Java class name
  * In MBeanInfo, "className" must be a syntactically valid Java class name
  * In MBeanConstructorInfo and MBeanNotificationInfo, "name" must be a syntactically valid Java class name

If these conditions are not met, the constructors throw IllegalArgumentException.

9) Notification Enhancements

The class NotificationBroadcasterSupport has a new protected method, handleNotification(), which is called for each listener registered with the NotificationBroadcaster. It can be overridden in a subclass to customize notification delivery.

10) Timer Service Enhancements

The following enhancements have been made to the Timer services:

- Modified behavior of the Timer.addNotification method
  When the specified time for a notification has already passed, addNotification behaves as if the time specified is the current time, rather than throwing an exception. This reduces risks when scheduling notifications for the very near future.

- TimerNotification Class
  The constructor of the TimerNotification class is now public, allowing user code to construct notifications.

- Periodic Notification
  The default periodic notification behavior in JMX 1.2 is fixed-delay execution, but fixed-rate execution can now be specified explicitly.

11) Monitor Service
The Monitor class has been extended to allow the monitoring of the same attribute in several MBeans. The Monitor class and the MonitorMBean interface have the following new methods:
- getObservedObjects()
- addObservedObject(ObjectName)
- removeObservedObject(ObjectName)
- containsObservedObject(ObjectName)

The CounterMonitor class and the CounterMonitorMBean interface have the following new methods:
- setInitThreshold(Number)
- getInitThreshold()
- getThreshold(ObjectName)
- getDerivedGauge(ObjectName)
- getDerivedGaugeTimeStamp(ObjectName)

NOTE: The ObjectName parameter is now required in the getThreshold(), getDerivedGauge(), and getDerivedGaugeTimeStamp() methods as these methods without parameters are now deprecated.

The GaugeMonitor and StringMonitor classes also have new methods:
- getDerivedGauge(ObjectName)
- getDerivedGaugeTimeStamp(ObjectName)

12) Relation Service

The RoleInfo constructor of the javax.management.relation.RoleInfo class no longer performs any checks on the class name it is given. This makes sense given that a DynamicMBean can return any string as the class name in its MBeanInfo, not necessarily an existent Java class.

On creation of a relation instance, the relation service checks that each MBean linked is an instance of the class name in the corresponding RoleInfo, as determined by MBeanServer.isInstanceOf.

13) Open MBeans

Open MBeans become mandatory in JMX 1.2.

14) MLets

The following enhancements have been made to MLets:
- The behavior of MLet delegation to the Class Loader Repository is now specified explicitly. It differs from the former behavior in that only loaders preceding the MLet in the CLR are delegated to. This change was introduced to avoid a deadlock possibility.

- The MLet class now implements the Externalizable interface. The methods `readExternal` and `writeExternal` already existed in previous releases, so this is logical. Implementations are not required to support these methods, and the reference implementation does not support them.

- The method `MLet.check` is exposed to allow subclasses of MLet to implement caching and versioning.

15) Serial Compatibility with JMX 1.0

JMX 1.1 changed the serial form of several classes in JMX 1.0. It introduced a property `jmx.serial.form` to allow code to continue to use the old form. Independent implementations, however, are not required to support this feature.

16) Calling getters and setters Using `invoke`

In JMX 1.2, it is forbidden to call getters and setters via `invoke`. Previously, an implementation was free to choose whether or not to allow this.

However, if the property `jmx.invoke.getters` does not have an empty value, the code forbidding calling getters and setters through `invoke` is disabled.

17) Retrieving domains in MBeanServer

A new MBeanServer method, `getDomains()`, has been introduced.

18) Standard MBeans

The following enhancements have been made to standard MBeans:

- Clarified rules for deriving `NameMBean` from `Name`. In JMX 1.2, if the implementation class of a standard MBean is `some.package.Name` then the management interface must be `some.package.NameMBean`. 
- Hybrid of Standard and Dynamic MBeans.
A new class, javax.management.StandardMBean, has been added
to remove the need for a fixed relationship between the
implementation class of the standard MBean and its
management interface. The StandardMBean class implements
the DynamicMBean interface.

19) InvocationHandler for MBean Proxies

An implementation of the java.lang.reflect.InvocationHandler
interface has been added in JMX 1.2. The new
javax.management.MBeanServerInvocationHandler class can be used to
construct a proxy for an MBean, given its management interface, for
convenience and type-safeness on invoke, getAttribute and
setAttribute methods.

20) Model MBeans

The following enhancements have been made to model MBeans:
- Descriptor interface now extends Cloneable
- RequiredModelMBean implements MBeanRegistration
- ModelMBean.load called from preRegister not constructor
- Inconsistencies between the specification document and the
  API documentation generated by the Javadoc tool have been
corrected

III. Product Restrictions
~~~~~~~~~~~~~~~~~~~~~~~~

The following is a list of known restrictions in this release.

1) BugID 4752340

The Model MBean documentation reveals that when the descriptor for
an attribute specifies a getMethod X, the method to be invoked is
not necessarily called X. Instead, it is the method whose
ModelMBeanOperationInfo specifies a name of X in its descriptor.

To avoid confusion, make sure you use the same name for the method
and for the descriptor.

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* @(#)author    Sun Microsystems, Inc.
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* @(#)lastedit  03/07/15
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Base Agent Example

==================
1. Overview

This example shows how to implement a minimal agent application that can be accessed through a Web browser.

2. File List

This example is based on the following source file:

* BaseAgent.java:
  - Creates an MBean server
  - Creates and registers an HTML adaptor server in the MBean server

3. Building and Running the Example

To build and run this example, make sure that your PATH and CLASSPATH environment variables are correctly set to use the Java 2 platform. In addition, your CLASSPATH must also contain the JMX reference implementation (jmxri.jar) and toolkit (jmxtools.jar) jar files, as well as the current directory (.)

These instructions assume the classpath is set in an environment variable, though it may also be given on the command line with the -classpath option.

To compile the example, type the following commands:

    cd examples/BaseAgent/
    javac *.java

To run the example using the classes you have just built, type the following command:

    java BaseAgent &

This JMX agent is now running on your machine. To manage the agent through a Web browser, load the following URL: http://localhost:8082/

You may also access this agent from any remote machine on the same network by connecting to this URL: http://<agentHostName>:8082/
Please refer to the tutorial provided in this software bundle for further instructions about interacting with the JMX agent through the HTML protocol adaptor.

Found in path(s):
* /opt/cola/permits/1000218365_1611179575.02/0/jmx-1-2-1-ri-2-zip/jmx-1_2_1-bin/examples/BaseAgent/README
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 * @(#)file      BaseAgent.java
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 * @(#)file      SimpleMBean.java
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Found in path(s):
Dynamic MBean Example
========================

1. Overview
-------------------------------------------------------

This example shows how to implement a dynamic MBean and manage it through a simple JMX agent application:

- Develop a dynamic MBean that implements the DynamicMBean interface and correctly exposes its management interface at runtime.

- Develop a simple JMX agent for exercising the MBean:
  . Initialize the MBean server
  . Add the dynamic MBean to the MBean server
  . Find the MBeans management interface
  . Get and set attributes, invoke operations on the MBean
  . Handle the response when trying to invoke methods not exposed for management

2. File List
-------------------------------------------------------

This example is based on the following source files:
* SimpleDynamic.java:
  - A dynamic MBean

* DynamicAgent.java:
  - Creates an MBean server
  - Registers a dynamic MBean in the MBean server
  - Gets information on the management interface of the MBean
  - Invokes dynamic MBean methods exposed for management with success and tries to invoke methods not exposed for management without success

3. Building and Running the Example

To build and run this example, make sure that your PATH and CLASSPATH environment variables are correctly set to use the Java 2 platform. In addition, your CLASSPATH must also contain the JMX reference implementation jar file (jmxri.jar), as well as the current directory (.).

These instructions assume the classpath is set in an environment variable, though it may also be given on the command line with the -classpath option.

To compile the example, type the following commands:

```
  cd examples/DynamicMBean/
  javac *.java
```

To run the example using the classes you have just built, type the following command:

```
  java DynamicAgent
```

You then interact with the agent through the standard input and output in the window where it was launched. The DynamicAgent class displays information about each management step and waits for user input before continuing.

Found in path(s):
* /opt/cola/permits/1000218365_1611179575.02/0/jmx-1-2-1-ri-2-zip/jmx-1_2_1-bin/examples/DynamicMBean/README
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/*
* @(#)file      README
Open MBean Example

1. Overview

This example shows how to implement an open MBean and manage it through a simple JMX agent application:

- Develop a sample open MBean that uses some of the open data types and correctly exposes its management interface at runtime through the OpenMBean*Info classes.

- Develop a simple JMX agent for exercising the open MBean:
  . Initialize the MBean server
  . Create and add the sample open MBean to the MBean server
  . Get and display the open MBean management information
  . Invoke some operations on the MBean

2. File List

This example is based on the following source files:

* SampleOpenMBean.java:
  - An open MBean

* OpenAgent.java:
  - Simple JMX agent for exercising the open MBean
3. Building and Running the Example

To build and run this example, make sure that your PATH and CLASSPATH environment variables are correctly set to use the Java 2 platform. In addition, your CLASSPATH must also contain the JMX reference implementation jar file (jmxri.jar), as well as the JMX tools contributions jar file (jmxtools.jar) for the HTML adaptor class, and the current directory (.)

These instructions assume the classpath is set in an environment variable, though it may also be given on the command line with the -classpath option.

To compile the example, type the following commands:

cd examples/OpenMBean/
javac *.java

To run the example using the classes you have just built, type the following command:

java OpenAgent

You then interact with the agent through the standard input and output in the window where it was launched. The OpenAgent class displays information about each management step and waits for user input before continuing.

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---------------------------------------------
Java(TM) Management Extensions (JMX(TM)) v1.2.1 sources README
---------------------------------------------

This README file describes how to build the JMX 1.2.1 sources.

The JMX 1.2.1 source delivery comes with a build.xml file written for Ant 1.5.
Please download and install Apache Ant 1.5 from: http://ant.apache.org

Once you have set your PATH, ANT_HOME and JAVA_HOME variables as described
in the Ant 1.5 installation procedure, you can build the JMX 1.2.1 sources:
* cd to the directory containing the build.xml file
* type: ant all

--

Found in path(s):
* /opt/cola/permits/1000218365_1611179575.02/0/jmx-1-2-1-ri-2-zip/jmx-1_2_1-bin/doc/README_SRC.txt
No license file was found, but licenses were detected in source scan.

/*
 * @(#)file SampleOpenMBean.java
 * @(#)author Sun Microsystems, Inc.
 * @(#)version 1.6
 * @(#)lastedit 03/07/15
 *
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 *
 */

Found in path(s):
* /opt/cola/permits/1000218365_1611179575.02/0/jmx-1-2-1-ri-2-zip/jmx-1_2_1-
bin/examples/OpenMBean/SampleOpenMBean.java
No license file was found, but licenses were detected in source scan.

/*
 * @(#)file StandardAgent.java
 * @(#)author Sun Microsystems, Inc.
 * @(#)version 1.20
 * @(#)lastedit 03/07/15
 *
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 *
 */

Found in path(s):
* /opt/cola/permits/1000218365_1611179575.02/0/jmx-1-2-1-ri-2-zip/jmx-1_2_1-

Monitor MBean Example

1. Overview

This example shows how to implement a simple agent application that uses the monitoring service defined in the JMX specification.

The agent in this example registers a monitor MBean which observes the number of MBeans registered in the MBean server.

In order to receive information from the monitor, the example also shows how to implement a notification listener with the JMX notification model.

2. File List

This example is based on the following source files:

* MonitorAgent.java:
  - Creates an MBean server
  - Registers a monitor MBean in the MBean server which sends out a notification when the number of registered MBeans exceeds a pre-
defined threshold
- Registers many MBeans of class Simple
- Registers a standard MBean (StandardObservedObject) and then a
dynamic MBean (DynamicObservedObject) each having an attribute
representing the number of MBeans registered in the MBean server
- Declares a listener for the notifications emitted by the monitor
MBean
- Unregisters all of the MBeans

* AgentListener.java:
- Receives the notifications emitted by the monitor MBean

* Simple.java:
- A standard MBean

* SimpleMBean.java:
- The management interface of the MBean Simple

* StandardObservedObject.java:
- A standard MBean having an attribute representing the number of
MBeans registered in the MBean server

* StandardObservedObjectMBean.java:
- The management interface of the MBean StandardObservedObject

* DynamicObservedObject.java:
- A dynamic MBean having an attribute representing the number of
MBeans registered in the MBeanServer

3. Building and Running the Example

To build and run this example, make sure that your PATH and CLASSPATH
environment variables are correctly set to use the Java 2 platform. In
addition, your CLASSPATH must also contain the JMX reference implement-
ation jar file (jmxri.jar), as well as the current directory (.).

These instructions assume the classpath is set in an environment
variable, though it may also be given on the command line with the
-classpath option.

To compile the example, type the following commands:

    cd examples/MonitorMBean/
    javac *.java
To run the example using the classes you have just built, type the following command:

```
java MonitorAgent
```

You then interact with the agent through the standard input and output in the window where it was launched. The MonitorAgent class displays information about each management step and waits for user input before continuing.

Found in path(s):
* /opt/cola/permits/1000218365_1611179575.02/0/jmx-1-2-1-ri-2-zip/jmx-1_2_1-bin/examples/MonitorMBean/README

No license file was found, but licenses were detected in source scan.

/*
 * @(#)file      SimpleRelation.java
 * @(#)author    Sun Microsystems, Inc.
 * @(#)version   1.9
 * @(#)lastedit  03/07/15
 *
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Found in path(s):
* /opt/cola/permits/1000218365_1611179575.02/0/jmx-1-2-1-ri-2-zip/jmx-1_2_1-bin/examples/Relation/SimpleRelation.java

No license file was found, but licenses were detected in source scan.

/*
 * @(#)file      RelationAgent.java
 * @(#)author    Sun Microsystems, Inc.
 * @(#)version   1.17
 * @(#)lastedit  03/07/15
 *
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 */
Found in path(s):
* /opt/cola/permits/1000218365_1611179575.02/0/jmx-1-2-1-ri-2-zip/jmx-1_2_1-bin/examples/Relation/RelationAgent.java
No license file was found, but licenses were detected in source scan.

/*
 * @(#)file    SimpleRelationType.java
 * @(#)author   Sun Microsystems, Inc.
 * @(#)version  1.11
 * @(#)lastedit 03/07/15
 *
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 */

Found in path(s):
* /opt/cola/permits/1000218365_1611179575.02/0/jmx-1-2-1-ri-2-zip/jmx-1_2_1-bin/examples/Relation/SimpleRelationType.java
No license file was found, but licenses were detected in source scan.

/*
 * @(#)file    SimpleDynamic.java
 * @(#)author   Sun Microsystems, Inc.
 * @(#)version  1.13
 * @(#)lastedit 03/07/15
 *
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Found in path(s):
* /opt/cola/permits/1000218365_1611179575.02/0/jmx-1-2-1-ri-2-zip/jmx-1_2_1-bin/examples/DynamicMBean/SimpleDynamic.java
No license file was found, but licenses were detected in source scan.

/*
* @(#)file    AgentListener.java
* @(#)author  Sun Microsystems, Inc.
* @(#)version 4.9
* @(#)lastedit 03/07/15
* 
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Found in path(s):
* /opt/cola/permits/1000218365_1611179575.02/0/jmx-1-2-1-ri-2-zip/jmx-1_2_1-
  bin/examples/MonitorMBean/AgentListener.java
No license file was found, but licenses were detected in source scan.

/*
* @(#)file    StandardObservedObjectMBean.java
* @(#)author  Sun Microsystems, Inc.
* @(#)version 4.8
* @(#)lastedit 03/07/15
* 
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Found in path(s):
* /opt/cola/permits/1000218365_1611179575.02/0/jmx-1-2-1-ri-2-zip/jmx-1_2_1-
  bin/examples/MonitorMBean/StandardObservedObjectMBean.java
No license file was found, but licenses were detected in source scan.

/*
* @(#)file    StandardObservedObject.java
* @(#)author  Sun Microsystems, Inc.
* @(#)version 4.9
* @(#)lastedit 03/07/15
* 
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Found in path(s):
* /opt/cola/permits/1000218365_1611179575.02/0/jmx-1-2-1-ri-2-zip/jmx-1_2_1-
  bin/examples/MonitorMBean/StandardObservedObject.java
No license file was found, but licenses were detected in source scan.

/*
 * @(#)file DynamicAgent.java
 * @(#)author Sun Microsystems, Inc.
 * @(#)version 1.23
 * @(#)lastedit 03/07/15
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Found in path(s):
* /opt/cola/permits/1000218365_1611179575.02/0/jmx-1-2-1-ri-2-zip/jmx-1_2_1-
  bin/examples/DynamicMBean/DynamicAgent.java
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 */
Found in path(s):
* /opt/cola/permits/1000218365_1611179575.02/0/jmx-1-2-1-ri-2-zip/jmx-1_2_1-bin/examples/ModelMBean/TestBeanAttributeChangeListener.java
* /opt/cola/permits/1000218365_1611179575.02/0/jmx-1-2-1-ri-2-zip/jmx-1_2_1-bin/examples/ModelMBean/TestBean.java
* /opt/cola/permits/1000218365_1611179575.02/0/jmx-1-2-1-ri-2-zip/jmx-1_2_1-bin/examples/ModelMBean/TestBeanFriend.java
* /opt/cola/permits/1000218365_1611179575.02/0/jmx-1-2-1-ri-2-zip/jmx-1_2_1-bin/examples/ModelMBean/ModelAgent.java
No license file was found, but licenses were detected in source scan.

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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 15937
No license file was found, but licenses were detected in source scan.

/*
   * @(#)file      README
   * @(#)author    Sun Microsystems, Inc.
   * @(#)version   1.8
   * @(#)date      03/07/15
   *
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Standard MBean Example

1. Overview

This example shows how to write a standard MBean and manage it through a simple JMX agent application:

- Develop a standard MBean that complies with the design patterns of the JMX instrumentation level
- Develop a simple JMX agent for exercising the MBean:
  . Initialize the MBean server
  . Create and register the MBean in the MBean server
  . Get and set attributes, invoke operations on the MBean
  . Try to invoke MBean methods not exposed for management

2. File List

This example uses the following source files:

* SimpleStandard.java:
  - A standard MBean

* SimpleStandardMBean.java:
  - The management interface of the SimpleStandard class

* StandardAgent.java:
  - Creates an MBean server
  - Registers a standard MBean in the MBean server
  - Gets information on the management interface of the MBean
  - Invokes MBean methods exposed for management with success and tries to invoke methods not exposed for management without success
3. Building and Running the Example

To build and run this example, make sure that your PATH and CLASSPATH environment variables are correctly set to use the Java 2 platform. In addition, your CLASSPATH must also contain the JMX reference implementation jar file (jmxri.jar), as well as the current directory (.).

These instructions assume the classpath is set in an environment variable, though it may also be given on the command line with the -classpath option.

To compile the example, type the following commands:

```
   cd examples/StandardMBean/
   javac *.java
```

To run the example using the classes you have just built, type the following command:

```
   java StandardAgent
```

You then interact with the agent through the standard input and output in the window where it was launched. The StandardAgent class displays information about each management step and waits for user input before continuing.

 Found in path(s):
* /opt/cola/permits/1000218365_1611179575.02/0/jmx-1-2-1-ri-2-zip/jmx-1_2_1-bin/examples/StandardMBean/README

No license file was found, but licenses were detected in source scan.

/*
 * @(#)file      DynamicObservedObject.java
 * @(#)author    Sun Microsystems, Inc.
 * @(#)version   1.13
 * @(#)lastedit      03/07/15
 * *
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/*
 * @(#)file      SimpleStandardMBean.java
 * @(#)author    Sun Microsystems, Inc.
 * @(#)version   1.11
 * @(#)lastedit  03/07/15
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Found in path(s):
* /opt/cola/permits/1000218365_1611179575.02/0/jmx-1-2-1-ri-2-zip/jmx-1_2_1-
  bin/examples/StandardMBean/StandardMBean.java
No license file was found, but licenses were detected in source scan.

/*
 * @(#)file      README
 * @(#)author    Sun Microsystems, Inc.
 * @(#)version   1.3
 * @(#)date      03/07/15
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 */

Model MBean Example
====================

--------------------------------------------------------------------------------
1. Overview
--------------------------------------------------------------------------------
This example shows how to implement a simple agent application that uses the Model MBean defined in the JMX specification.

The agent in this example shows the use of a Model MBean to manage an application bean, named "TestBean". It also demonstrates how to have attributes in the same ModelMBean supported by methods on different objects.

2. File List

This example is based on the following source files:

* ModelAgent.java:
  - Creates an MBean server.
  - Registers a Model MBean in the MBean server.
  - Configures the Model MBean in order to manage two simple application beans called "TestBean" and "TestBeanFriend".
  - It registers an object of class "TestBeanAttributeChangeListener" as listener to all notifications emitted when the attribute "State" of the "TestBean" changes.
  - It performs management operations on application beans using the Model MBean.

* TestBeanAttributeChangeListener.java:
  - Implements the javax.management.NotificationListener interface.
  - It receives the attribute change notifications emitted by the Model MBean when the attribute "State" of the "TestBean" changes.

* TestBean.java:
  - Simple definition of a Bean which is managed by a ModelMBean.

* TestBeanFriend.java:
  - Simple definition of a Bean which is managed by a ModelMBean.
  - It implements the same methods as "TestBean". It is used by the ModelAgent test program to illustrate and demonstrate how to have attributes in the same ModelMBean supported by methods on different objects.

3. Building and Running the Example

To build and run this example, make sure that your PATH and CLASSPATH
environment variables are correctly set to use the Java 2 SDK. In addition, your CLASSPATH must also contain the JMX reference implementation jar file (jmxri.jar), as well as the current directory (.).

These instructions assume the classpath is set in an environment variable, though it may also be given on the command line with the -classpath option.

Copy the example source files to your working directory and type the following commands:

```bash
cd <WORKING_DIR>
javac *.java
```

To run the example using the classes you have just built, type the following command:

```bash
java ModelAgent
```

You then interact with the agent through the standard input and output in the window where it was launched. The ModelAgent class displays information about each management step and waits for user input before continuing.

Found in path(s):
* /opt/cola/permits/1000218365_1611179575.02/0/jmx-1-2-1-ri-2-zip/jmx-1_2_1-bin/examples/ModelMBean/README

No license file was found, but licenses were detected in source scan.

```java
/*
 * @(#)file      SimpleRelationMBean.java
 * @(#)author    Sun Microsystems, Inc.
 * @(#)version   1.9
 * @(#)lastedit  03/07/15
 *
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 */
```

Found in path(s):
* /opt/cola/permits/1000218365_1611179575.02/0/jmx-1-2-1-ri-2-zip/jmx-1_2_1-
bin/examples/Relation/SimpleRelationMBean.java
No license file was found, but licenses were detected in source scan.

/*
 * @(#)file      SimpleStandard.java
 * @(#)author    Sun Microsystems, Inc.
 * @(#)version   1.8
 * @(#)lastedit  03/07/15
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Found in path(s):
* /opt/cola/permits/1000218365_1611179575.02/0/jmx-1-2-1-ri-2-zip/jmx-1_2_1-bin/examples/Relation/SimpleStandard.java
No license file was found, but licenses were detected in source scan.

/*
 * @(#)file      OpenAgent.java
 * @(#)author    Sun Microsystems, Inc.
 * @(#)version   1.6
 * @(#)lastedit  03/07/15
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Found in path(s):
* /opt/cola/permits/1000218365_1611179575.02/0/jmx-1-2-1-ri-2-zip/jmx-1_2_1-bin/examples/OpenMBean/OpenAgent.java

1.1441 patch 2.7.5-1+deb8u3
1.1441.1 Available under license:
This is Debian's prepackaged version of patch, Larry Wall's program that allows you to apply diffs to a file automagically.

The current maintainer for this package is Laszlo Boszormenyi (GCS) <gcs@debian.org>.

Previous maintainers were Bill Mitchell <mitchell@mdd.comm.mot.com>, Darren Stalder <torin@daft.com>, Adrian Bunk <bunk@fs.tum.de>, Michael Fedrowitz <michaelf@debian.org> and Christoph Berg <myon@debian.org>.


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1.1442 liberror-perl 0.17027-2
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2  7680 16383    8704 4.3M      8f8378c0-02
5  7936 12799    4864 2.4M
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1.1479 big-time 2.0.1

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1.1480 libperl 5.28.1-6

1.1480.1 Available under license:

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

---
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
metaspec:
url: http://module-build.sourceforge.net/META-spec-v1.4.html
version: 1.4
name: Module-Build
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version: 3
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Files-Excluded-regen-configure: bin/*
Upstream-Name: perl
Source: http://www.perl.com/CPAN/src/5.0/
Comment:
This package was debianized by Brendan O'Dea <bod@debian.org> on Thu, 17 Aug 2000 16:10:54 +1000.

Upstream Authors:

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cpan/Locale-Maketext-Simple/t/po_with_i_default/en.po
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ext/PerlIO-encoding/*
ext/PerlIO-scalar/*
ext/PerlIO-via/*
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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 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
open source used in DNAC frost platform Maglev 1.7.0 1.7.283 16202

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) = $output =~ /copyright 1987.*\b\{4,\}/i
  or die "Copyright statement not found in perl -v output '$output'';

$year;
}

1.1481 hosted-git-info 2.5.0

1.1481.1 Available under license :

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1.1482 rsyslog 8.4.2-1+deb8u2

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If you have questions, don't hesitate to ask the author(s) for more information.
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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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Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2df055067c18f2cf9 bsd.img

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

-------------------
Create 1st primary partition
ada64ace122978d00d11d1e5ee45d26 bsd.img

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

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

-------------------
Create 2st primary partition
1bebf87248e05d6e4e626749da65d023 bsd.img
Set 2nd partition type
2d8e8d5fda8a045db233418dd73f0 bsd.img

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

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

-------------------
Create default BSD
2e1cee529cb59e9341afe0443f196a1 bsd.img

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

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

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

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

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):

-------------------
b5c121c2091b2ff26b880551feac7112 bsd.img

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

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

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

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

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

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

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

Command (m for help):
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1.1492 j2cli 0.3.1-0

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1.1493 python-software-properties 0.96.20.10

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Version 2.1, February 1999

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* /opt/cola/permits/1176281509_1624666589.21/0/netty-common-4-0-37-final-sources-
jar/io/netty/util/concurrent/ScheduledFuture.java
* /opt/cola/permits/1176281509_1624666589.21/0/netty-common-4-0-37-final-sources-
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* /opt/cola/permits/1176281509_1624666589.21/0/netty-common-4-0-37-final-sources-
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* /opt/cola/permits/1176281509_1624666589.21/0/netty-common-4-0-37-final-sources-
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jar/io/netty/util/concurrent/GenericFutureListener.java
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* /opt/cola/permits/1176281509_1624666589.21/0/netty-common-4-0-37-final-sources-jar/io/netty/util/Mapping.java
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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
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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
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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@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and
Brian D. Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and
Dave Detlefs (detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks (agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports.
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to
a Motorola 88K processor running CX/UX (Harris NightHawk).
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to
nonIBM development environments (a nontrivial task).
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.
David Chase, then at Olivetti Research, suggested several improvements.
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the
code to save and print call stacks for leak detection on a SPARC.
Jesse Hull and John Ellis supplied the C++ interface code.
Zhong Shao performed much of the experimentation that led to the
current typed allocation facility. (His dynamic type inference code hasn't
made it into the released version of the collector, yet.)
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- `analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java`
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- `analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java`
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- `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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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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1.1547 sprintf 0.1.5

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/**
 sprintf() for JavaScript 0.7-beta1
 http://www.diveintojavascript.com/projects/javascript-sprintf

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Changelog:
2010.11.07 - 0.7-beta1-node
- converted it to a node.js compatible module

2010.09.06 - 0.7-beta1
- features: vsprintf, support for named placeholders
- enhancements: format cache, reduced global namespace pollution

2010.05.22 - 0.6:
- reverted to 0.4 and fixed the bug regarding the sign of the number 0

Note:
Thanks to Raphael Pigulla <raph (at) n3rd [dot] org> (http://www.n3rd.org/)
who warned me about a bug in 0.5, I discovered that the last update was
a regress. I appologize for that.

2010.05.09 - 0.5:
- bug fix: 0 is now preceeded with a + sign
- bug fix: the sign was not at the right position on padded results (Kamal Abdali)
- switched from GPL to BSD license

2007.10.21 - 0.4:
- unit test and patch (David Baird)

2007.09.17 - 0.3:
- bug fix: no longer throws exception on empty paramenters (Hans Pufal)

2007.09.11 - 0.2:
- feature: added argument swapping

2007.04.03 - 0.1:
- initial release
**/

Found in path(s):
* /opt/cola/permits/1112087417_1607035063.06/0/sprintf-0-1-5-tgz/package/lib/sprintf.js

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# sprintf() for node

## Disclaimer

This was originally just an adoption of a browser library to node.js.
Since that library is now itself a node.js module, you should use that one:
[alexei/sprintf.js](https://github.com/alexei/sprintf.js)

Or just install it via npm:
npm install sprintf-js

There is also a [built-in util.format](http://nodejs.org/api/util.html#util_util_format_format).

## Install

**This package is not maintained anymore. See Disclaimer above.**

npm install sprintf

## How to

Works exactly like http://www.diveintojavascript.com/projects/javascript-sprintf, except that it exports those two functions:

```javascript
sprintf = require('sprintf').sprintf;
vsprintf = require('sprintf').vsprintf;
```

Have fun!

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1.1548 vega-parser 3.9.0

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1.1549 redux-thunk 2.3.0

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1.1550 cpp 4.9.2-10+deb8u2

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bzip2/libbzip2 version 1.0.6 of 6 September 2010

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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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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
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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.

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@item Definitions.

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

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@enumerate a
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@end smallexample

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under certain conditions; type @samp{show c} for details.
@end example

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That's all there is to it!
DRuntime: Runtime Library for the D Programming Language

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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1.1551 jackson-dataformat-yaml 2.4.2
1.1551.1 Available under license:

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### 1.1553 netty-transport 4.0.37.Final

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*/
/**
 * Handles or intercepts a [@link ChannelInboundInvoker] or [@link ChannelOutboundInvoker] operation, and
* forwards it
* to the next handler in a [@link ChannelPipeline].
 *
 * <h3>Sub-types</h3>
 * <p>
 * [@link ChannelHandler] itself does not provide many methods. To handle a
* a [@link ChannelInboundInvoker] or [@link ChannelOutboundInvoker] operation
* you need to implement its sub-interfaces. There are many different sub-interfaces
* which handles inbound and outbound operations.
 *
 * But the most useful for developers may be:
 * <ul>
 * <li>[@link ChannelInboundHandlerAdapter] handles and intercepts inbound operations</li>
 * <li>[@link ChannelOutboundHandlerAdapter] handles and intercepts outbound operations</li>
 * </ul>
 *
 * You will also find more detailed explanation from the documentation of
* each sub-interface on how an event is interpreted when it goes upstream and
* downstream respectively.
 *
 * <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.
 *
 * <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; { *
* 
*     &lt;b&gt;private boolean loggedIn;&lt;/b&gt; *
* 
*     { @code @Override} *
*     public void channelRead0({ @link ChannelHandlerContext} ctx, Message message) { *
*         { @link Channel} ch = e.getChannel(); *
*         if (message instanceof LoginMessage) { *
*             authenticate((LoginMessage) message); *
*             &lt;b&gt;loggedIn = true;&lt;/b&gt; *
*         } else (message instanceof GetDataMessage) { *
*             if (&lt;b&gt;loggedIn&lt;/b&gt;) { *
*                 ch.write(fetchSecret((GetDataMessage) message)); *
*             } else { *
*                 fail(); *
*             } }
*     }
*     ...
* } *
* </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: *
* 
* // Create a new handler instance per channel. *
* // See { @link ChannelInitializer#initChannel(Chan ne)}.
* public class DataServerInitializer extends { @link ChannelInitializer} &lt;{ @link Channel}&gt; { *
*     { @code @Override} *
*     public void initChannel({ @link Channel} channel) { *
*         channel.pipeline().addLast(“handler”, &lt;b&gt;new DataServerHandler()&lt;/b&gt;); *
*     }
* }
* }
* </pre>
* *
* <h4>Using { @link AttributeKey}</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}:
* 
* public interface Message { *
*     // your methods here
public class DataServerHandler extends SimpleChannelInboundHandler<Message> {
    private final AttributeKey<Boolean> auth = AttributeKey.valueOf("auth");

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

Now that the state of the handler is attached to the ChannelHandlerContext, you can add the same handler instance to different pipelines:

public class DataServerInitializer extends ChannelInitializer<Channel> {
    private static final DataServerHandler SHARED = new DataServerHandler();

    @Override
    public void initChannel(Channel channel) {
        channel.pipeline().addLast("handler", SHARED);
    }
}

The @Sharable annotation

In the example above which used an AttributeKey, you might have noticed the @Sharable annotation. If a ChannelHandler is annotated with the @Sharable annotation, it means you can create an instance of the handler just once and add it to one or more 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
* 
* This annotation is provided for documentation purpose, just like
* 
* Additional resources worth reading
* 
* Please refer to the [ChannelHandler], and
* [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/cola/permits/1120583772_1615368925.12/0/netty-transport-4-0-37-final-sources-jar/io/netty/channel/AbstractChannelHandlerContext.java
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jar/io/netty/channel/socket/oio/DefaultOioServerSocketChannelConfig.java
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jar/io.netty.channel/SelectStrategy.java
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* /opt/cola/permits/1127088203_1611784012.48/0/ply-3-4-orig-1-tar-gz/ply-3.4/ply/yacc.py
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Metadata-Version: 1.0
Name: ply
Version: 3.4
Summary: Python Lex & Yacc
Home-page: http://www.dabeaz.com/ply/
Author: David Beazley
Author-email: dave@dabeaz.com
License: BSD
Description:
   PLY is yet another implementation of lex and yacc for Python. Some notable
   features include the fact that its implemented entirely in Python and it
   uses LALR(1) parsing which is efficient and well suited for larger grammars.

   PLY provides most of the standard lex/yacc features including support for empty
   productions, precedence rules, error recovery, and support for ambiguous grammars.

   PLY is extremely easy to use and provides very extensive error checking.
   It is compatible with both Python 2 and Python 3.

Platform: UNKNOWN
Classifier: Programming Language :: Python :: 3
Classifier: Programming Language :: Python :: 2

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PLY (Python Lex-Yacc)     Version 3.4

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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:

```python
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:

```python
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 2.2 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.

A Google group for PLY can be 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 2.2 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.

# calc.py

# A simple calculator with variables.

tokens = ( 'NAME','NUMBER', 'PLUS', 'MINUS', 'TIMES', 'DIVIDE', 'EQUALS',


# Tokens

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

# Ignored characters
    t_ignore = " \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)

# 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])
        p[0] = 0

def p_error(p):
    print("Syntax error at '%s'" % p.value)

import ply.yacc as yacc
yacc.yacc()

while 1:
    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. To contact me about bugs and/or new features, please send email to dave@dabeaz.com.

In addition there is a Google group for discussing PLY related issues at

http://groups.google.com/group/ply-hack

-- Dave

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1.1561 cookie-parser 1.4.5

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1.1562 sorted-union-stream 2.1.3

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1.1564 e2fsprogs 1.42.12-2+b1
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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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Theodore Ts'o
23-June-2007

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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:

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

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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 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 = libcbe
# 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)

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

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

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Gadi Oxman, August 1995

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### 1.1566 maglev-appctl 1.5.2

**1.1566.1 Available under license:**

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```
Metadata-Version: 2.0
Name: maglev-appctl
Version: 1.5.2
Summary: Maglev Python Application Controller (1.5.2)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: click (==6.6)
Requires-Dist: click-completion (==0.2.1)
Requires-Dist: hprof2flamegraph (==0.0.6)
Requires-Dist: psutil (==4.3.0)
Requires-Dist: pyJwtt (==1.4.0)
Requires-Dist: requests (==2.20.0)
Requires-Dist: toml (==0.9.2)
```

# Installation

+ Requires : Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

# How to test and develop in local mac

- Use pyvenv to create a virtual env in /opt/maglev
- u can either call the activate script to activate the virtualenv

Found in path(s):

* /opt/cola/permits/1127086585_1612150021.19/0/maglev-appctl-1-5-2-dist-info-zip/inputdir/packages_extracted/tar/1/packages_extracted/21/packages_extracted/opt/maglev/lib/python3.5/site-packages/maglev_appctl-1.5.2.dist-info/METADATA

### 1.1567 libcom-err 1.42.12-2+b1

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This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library 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 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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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

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

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/
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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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

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1.1568 python-dbus 1.2.4-1+b1
1.1568.1 Available under license:

Format: https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: dbus-python
Source: https://dbus.freedesktop.org/releases/dbus-python/

Files: *
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1.1569 json5 0.4.0
1.1569.1 Available under license:

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```json
{
    name: 'npm',
    publishConfig: {
```
'proprietary-attrs': false,
],
description: 'A package manager for node',
keywords: [
'package manager',
'modules',
'install',
'package.json',
],
version: '1.1.22',
preferGlobal: true,
config: {
  publishTest: false,
},
homepage: 'http://npmjs.org/',
author: 'Isaac Z. Schlueter <i@izs.me> (http://blog.izs.me)',
repository: {
  type: 'git',
  url: 'https://github.com/isaacs/npm',
},
bugs: {
  email: 'npm-@googlegroups.com',
  url: 'http://github.com/isaacs/npm/issues',
},
directories: {
  doc: './doc',
  man: './man',
  lib: './lib',
  bin: './bin',
},
main: './lib/npm.js',
bin: './bin/npm-cli.js',
dependencies: {
  semver: '^1.0.14',
  ini: '1',
  slide: '1',
  abbrev: '1',
  graceful-fs: '~1.1.1',
  minimatch: '~0.2',
  nopt: '1',
  'node-uuid': '~1.3',
  'proto-list': '1',
  rimraf: '2',
  request: '~2.9',
  which: '1',
  tar: '~0.1.12',
  fstream: '~0.1.17',
  'block-stream': '*
inherits: '1',
mkdirp: '0.3',
read: '0',
'lrucache': '1',
'node-gyp': '~0.4.1',
'fstream-npm': '0 >=0.0.5',
'uid-number': '0',
archy: '0',
chownr: '0',
]

bundleDependencies: [
  'slide',
  'ini',
  'semver',
  'abbrev',
  'graceful-fs',
  'minimatch',
  'nopt',
  'node-uuid',
  'rimraf',
  'request',
  'proto-list',
  'which',
  'tar',
  'fstream',
  'block-stream',
  'inherits',
  'mkdirp',
  'read',
  'lrucache',
  'node-gyp',
  'fstream-npm',
  'uid-number',
  'archy',
  'chownr',
],

devDependencies: {
  ronn: 'https://github.com/isaacs/ronnjs/tarball/master',
},

engines: {
  node: '0.6 || 0.7 || 0.8',
  npm: '1',
},

scripts: {
  test: 'node ./test/run.js',
  prepublish: 'npm prune; rm -rf node_modules/*[test,example,bench]*; make -j4 doc',
  dumpconf: 'env | grep npm | sort | uniq',
}
licenses: [

  {
    type: 'MIT +no-false-attribs',
  },
],

Found in path(s):
* /opt/cola/permits/1128918660_1612119998.140/json5-json5-v0-4-0-0-g3b8f449-tar-gz/json5-json5-3b8f449/test/parse-cases/misc/npm-package.json5
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Found in path(s):
* /opt/cola/permits/1128918660_1612119998.140/json5-json5-v0-4-0-0-g3b8f449-tar-gz/json5-json5-3b8f449/README.md
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// This file is written in JSON5 syntax, naturally, but npm needs a regular
// JSON file, so compile via `npm run build`. Be sure to keep both in sync!

{
  name: 'json5',
  version: '0.4.0',
  description: 'JSON for the ES5 era.',
  keywords: ['json', 'es5'],
  author: 'Aseem Kishore <aseem.kishore@gmail.com>',
  license: 'MIT',
  contributors: [
    'Max Nanasy <max.nanasy@gmail.com>',
    'Andrew Eisenberg <andrew@eisenberg.as>',
  ],
  main: 'lib/json5.js',
  bin: 'lib/cli.js',
  dependencies: {},
  devDependencies: {
    mocha: '~1.0.3',
  },
  scripts: {
    build: './lib/cli.js -c package.json5',
    test: 'mocha --ui exports --reporter spec',
  },
  homepage: 'http://json5.org/',
  repository: {
    type: 'git',
    url: 'https://github.com/aseemk/json5.git',
  }
}
1.1570 nano 2.9.3-2

1.1570.1 Available under license:

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1.1571 ncurses-base 6.1 1ubuntu1.18.04
1.1571.1 Available under license :
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-- $Id: COPYING,v 1.6 2018/01/01 12:00:00 tom Exp $
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1.1572 jackson-dataformat-smile 2.8.11

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1.1573 python 3.5.2-r2

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This package was put together by Klee Dienes <klee@debian.org> from sources from ftp.python.org:/pub/python, based on the Debianization by the previous maintainers Bernd S. Breitrup <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

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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1.1575 idna 2.7

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====

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

====

import io, sys
from setuptools import setup

def main():

    python_version = sys.version_info[:2]
    if python_version < (2, 6):
        raise SystemExit("Sorry, Python 2.6 or newer required")

    package_data = {}
    exec(open('idna/package_data.py').read(), package_data)

    arguments = {
        'name': 'idna',
        'packages': ['idna'],
        'version': package_data['__version__'],
        'description': 'Internationalized Domain Names in Applications (IDNA)',
        'long_description': io.open("README.rst", encoding="UTF-8").read(),
        'author': 'Kim Davies',
        'author_email': 'kim@cynosure.com.au',
        'license': 'BSD-like',
        'url': 'https://github.com/kjd/idna',
    }

    setup(**arguments)
'classifiers': [
    'Development Status :: 5 - Production/Stable',
    'Intended Audience :: Developers',
    'Intended Audience :: System Administrators',
    'License :: OSI Approved :: BSD License',
    'Operating System :: OS Independent',
    'Programming Language :: Python',
    'Programming Language :: Python :: 2.6',
    'Programming Language :: Python :: 2.7',
    'Programming Language :: Python :: 3',
    'Programming Language :: Python :: 3.3',
    'Programming Language :: Python :: 3.4',
    'Programming Language :: Python :: 3.5',
    'Programming Language :: Python :: 3.6',
    'Topic :: Internet :: Name Service (DNS)',
    'Topic :: Software Development :: Libraries :: Python Modules',
    'Topic :: Utilities',
    ],
'test_suite': 'tests',
}

setup(**arguments)

if __name__ == '__main__':
    main()

Found in path(s):
  */opt/cola/permits/1110765725_1606850597.72/0/kjd-idna-v2-7-0-g5d76cb6-1-tar-gz/kjd-idna-77c8bce/setup.py
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1.1576 zulu 8.46.0.20

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1.1577 base-passwd 3.5.39

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1.1583 elasticsearch-cli 6.7.1

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1.1584 jetty-io 9.4.17.v20190418

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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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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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1.1585 big.js 3.2.0

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a
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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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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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(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#
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============================================================================

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

One common dilemma is that GPL[1]-licensed code is not allowed to be linked with code licensed under the Original BSD license (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[2]. This particular problem was addressed when the Modified BSD license was created, which does not have the announcement clause that collides with GPL.

libcurl http://curl.haxx.se/docs/copyright.html

Uses an MIT (or Modified BSD)-style license that is as liberal as possible.

OpenSSL https://www.openssl.org/source/license.html

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GnuTLS http://www.gnutls.org/

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GnuTLS itself depends on and uses other libs (libgcrypt and libgpg-error) and they too are LGPL- or GPL-licensed.

WolfSSL  https://www.wolfssl.com/

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NSS  https://developer.mozilla.org/en-US/docs/Mozilla/Projects/NSS

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axTLS  http://axtls.sourceforge.net/

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BoringSSL https://boringssl.googlesource.com/

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

c-ares  http://daniel.haxx.se/projects/c-ares/license.html

(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  http://www.zlib.net/zlib_license.html

(Used for compressed Transfer-Encoding support) Uses an MIT-style license that shouldn't collide with any other library.
MIT Kerberos http://web.mit.edu/kerberos/www/dist/

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

Heimdal http://www.h5l.org

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GNU GSS https://www.gnu.org/software/gss/

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libidn http://josefsson.org/libidn/

(Used for IDNA support) Uses the GNU Lesser General Public License [3]. LGPL is a variation of GPL with slightly less aggressive "copyleft". This license requires more requirements to be met when distributing binaries, see the license for details. Also note that if you distribute a binary that includes this library, you must also include the full LGPL license text. Please properly point out what parts of the distributed package that the license addresses.

OpenLDAP http://www.openldap.org/software/release/license.html

(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 http://www.libssh2.org/

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

[1] = GPL - GNU General Public License: https://www.gnu.org/licenses/gpl.html
[2] = https://www.gnu.org/licenses/gpl-faq.html#GPLIncompatibleLibs details on how to write such an exception to the GPL

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1.1592 @babel/generator 7.3.0

1.1592.1 Available under license: MIT License

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1.1593 htop 2.1.0 3

1.1593.1 Available under license:

Format: https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: htop
Upstream-Contact: Hisham Muhammad <lode@gobolinux.org>
Source: http://hisham.hm/htop/releases/

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

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1.1594 detect-indent 5.0.0

1.1594.1 Available under license :

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1.1595 distlib 0.3.2

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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 the various releases.

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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.

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1.1599 streams 2.5.2

1.1600 cassandra_exporter 2.3.5

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1.1601 dig-rb 1.0.1

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From network_io/unix/inet_ntop.c, network_io/unix/inet_pton.c:

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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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@smallexample
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This program comes with ABSOLUTELY NO WARRANTY; for details type @samp{show w}.  
This is free software, and you are welcome to redistribute it under certain conditions; type @samp{show c} for details.
@end smallexample

The hypothetical commands @samp{show w} and @samp{show c} should show the appropriate parts of the General Public License.  Of course, your program's commands might be different; for a GUI interface, you would use an `about box`.

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@c man end

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

HISTORY -

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

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

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

The SPARC specific code was originally contributed by Mark Weiser.
The Encore Multimax modifications were supplied by
Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely
due to Vernon Lee, on machines made available to Rice by IBM.
Much of the HP specific code and a number of good suggestions for improving the
generic code are due to Walter Underwood.
Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.
Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk)
subsequently provided updates and information on variation between ULTRIX
systems. Parag Patel (parag@netcom.com) supplied the A/UX code.
Jesper Peterson(jep@miiname.miia.oz.au), Michel Schinz, and
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.
Thomas Funke (thf@zelator.in-berlin.de(?)) and
Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and
Dave Detlef(ddetlef@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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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 structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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

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

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

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

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@page
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That's all there is to it!

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1.1620 buffer-from 1.0.0

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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
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

The UnixCrypt.java code implements the one way cryptography used by
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1.1629 wget 1.20.1-1.1

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The following was received February 23, 2000
From: "Linn, John" <jlinn@rsasecurity.com>
February 19, 2000
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1.1640 cli-table3 0.5.1
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1.1641 maglev-sidecar 1.7.34
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Metadata-Version: 2.0
Name: maglev-sidecar
Version: 1.7.34
Summary: Maglev Sidecar Service (1.7.34)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: Jinja2 (==2.8)
Requires-Dist: PyYAML (==3.12)
Requires-Dist: importlib-metadata (==2.0.0)
Requires-Dist: maglev-appserver (>=1.8.0)
Requires-Dist: maglev-common (>=1.7.0)
Requires-Dist: maglev-internal-api (>=1.7.0)
Requires-Dist: maglev-workflow (>=1.7.0)
Requires-Dist: monotonic (>=1.1)
Requires-Dist: numpy (>=1.18.4)
Requires-Dist: pyJwt (>=1.5.1)
Requires-Dist: pykube (>=0.15.0)
Requires-Dist: rsa (>=4.5)
Requires-Dist: setuptools (>=41.2.0)
Requires-Dist: setuptools-scm (>=3.4.3)
Requires-Dist: toml (>=0.10.0)
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# Sidecar for managed service

+ Requires : Python 3.5 download the dmg and install, use pyenv to create a virtual environment

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zip/inputdir/packages_extracted/targz/1/packages_extracted/1/packages_extracted/1/packages_extracted/63/maglev_-
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1.1645 ubuntu-keyring 2018.09.18.1~18.04.0
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This package was originally put together by Michael Vogt
<michael.vogt@canonical.com>

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1.1646 libmount-dev 2.33.1-0.1

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The wireless-regdb packages was downloaded from <http://wireless.kernel.org/download/wireless-regdb/>

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1.1648 zlib1g 1:1.2.8.dfsg 2ubuntu4.3

1.1648.1 Available under license:

This is the pre-packaged Debian Linux version of the zlib compression library. It was packaged by Michael Alan Dorman <mdorman@debian.org> from sources originally retrieved from ftp.uu.net in the directory /pub/archiving/zip/zlib as the file zlib-1.0.4.tar.gz.

There is a homepage at http://www.gzip.org/zlib/

Acknowledgments:

The deflate format used by zlib was defined by Phil Katz. The deflate and zlib specifications were written by Peter Deutsch. Thanks to all the people who reported problems and suggested various improvements in zlib; they are too numerous to cite here.

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Jean-loup Gailly       Mark Adler
jlo@gzip.org           madler@alumni.caltech.edu
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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1.1650 libselinux 2.4 3build2

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1.1651 asm-debug-all 5.1

1.1652 jsr166e 1.1.0

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

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   its purpose remains meaningful.

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

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@end enumerate

@end enumerate

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    @example
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    This program comes with ABSOLUTELY NO WARRANTY; for details type @samp{show w}.
    This is free software, and you are welcome to redistribute it
    under certain conditions; type @samp{show c} for details.
    @end example

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Version 2.1, February 1999

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DRuntime: Runtime Library for the D Programming Language
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========

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**Esprima** ([esprima.org](http://esprima.org), BSD license) is a high performance,
Esprima is created and maintained by [Ariya Hidayat](http://twitter.com/ariyahidayat), with the help of [many contributors](https://github.com/ariya/esprima/contributors).

**Esprima-FB** is a fork of the [Harmony branch](https://github.com/ariya/esprima/tree/harmony) of Esprima that implements [JSX specification](https://github.com/facebook/jsx) on top of ECMAScript syntax.

### Features

- Full support for ECMAScript 5.1 ([ECMA-262](http://www.ecma-international.org/publications/standards/Ecma-262.htm))
- Experimental support for ES6/Harmony (module, class, destructuring, ...)
- Full support for [JSX syntax extensions](https://github.com/facebook/jsx).
- Sensible [syntax tree format](https://github.com/facebook/jsx/blob/master/AST.md) compatible with Mozilla [Parser AST](https://developer.mozilla.org/en/SpiderMonkey/Parser_API)
- Optional tracking of syntax node location (index-based and line-column)
- Heavily tested (> 650 [unit tests](http://esprima.org/test/) with [full code coverage](http://esprima.org/test/coverage.html))
- Ongoing support for ES6/Harmony (module, class, destructuring, ...)

### Versioning rules

In order to follow semver rules and keep reference to original Esprima versions at the same time, we left 3 digits of each version part to refer to upstream harmony branch. We then take the most significant digit.

**Example:** 4001.3001.0000-dev-harmony-fb aligns with 1.1.0-dev-harmony (aka 001.001.000-dev-harmony) in upstream, with our own changes on top.

Esprima-FB serves as a **building block** for JSX language tools and transpiler implementations (such as [React](https://github.com/facebook/react) or [JSXDOM](https://github.com/vjeux/jsxdom)).

Esprima-FB runs on many popular web browsers, as well as other ECMAScript platforms such as [Rhino](http://www.mozilla.org/rhino) and [Node.js](https://npmjs.org/package/esprima).

For more information on original Esprima, check the web site [esprima.org](http://esprima.org).

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tgz/package/bin/esparse.js

1.1659 multiarch-support 2.23 0ubuntu11.2
1.1659.1 Available under license :
Description: Don't warn for _BSD_SOURCE || _SVID_SOURCE, drop post-vivid
Author: Adam Conrad <adconrad@ubuntu.com>

--- glibc-2.21.orig/include/features.h
+++ glibc-2.21/include/features.h
@@ -145,7 +145,10 @@
 transitioned to use the new macro. */
 #if (defined _BSD_SOURCE || defined _SVID_SOURCE) \
   && !defined _DEFAULT_SOURCE
+/* Don't #warn about _BSD_SOURCE || _SVID_SOURCE, as it breaks -Werror
+   and we don't have time to check/fix everything before vivid release
# warning "_BSD_SOURCE and _SVID_SOURCE are deprecated, use _DEFAULT_SOURCE"
+*/
+# undef _DEFAULT_SOURCE
+# define _DEFAULT_SOURCE
#endif
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1.1660 slf4j-log4j 1.7.6

1.1661 read-package-json 2.1.1
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Python License
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python’s principal author, although it includes many contributions from others.

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

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

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Mersenne Twister
-------------

The `random' module includes code based on a download from
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A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
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Any feedback is very welcome.
http://www.math.keio.ac.jp/matumoto/emt.html
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Sockets
-------

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

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with python standard

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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
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1.1669 iperf 2.0.13-r2

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1.1670 amdefine 1.0.0

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1.1671 collapse-whitespace 1.0.3

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1.1672 commander 2.13.0

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Initialize empty image
f1c9645dcb14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2df055067c18f2cf9 bsd.img

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

Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

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

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

Create 2st primary partition
1bebfb87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8dfe51a88a045db233418dd73fbe bsd.img

---layout-------
Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>
Device  Boot Start   End Sectors Size Id Type
<removed>1  2048  4095  2048  1M 83 Linux
<removed>2  4096  20479  16384  8M a5 FreeBSD
-------------------
Create default BSD
2e1cee529cb59e9341afe0443f196a1 bsd.img

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

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

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

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

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

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

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

b5c121c2091b2ff26b880551feac7112 bsd.img

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

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

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

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

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

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

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

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

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

Command (m for help):
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1.1678 libkcrypto 1.12.1+dfsg-19+deb8u2
1.1678.1 Available under license :
This package was debianized by Sam Hartman <hartmans@permabit.com> on

It was downloaded from:
<http://web.mit.edu/kerberos/>

Upstream Maintainers:

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

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

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1.1679 liblcms2-dev 2.9-3

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### 1.1682 is-wsl 1.1.0

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import re
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    path.join(path.dirname(__file__), 'webencodings', '__init__.py'),  
    encoding='utf-8'  
).read().strip()).group(1)

LONG_DESCRIPTION = io.open(  
    path.join(path.dirname(__file__), 'README.rst'),  
    encoding='utf-8'  
).read()

setup(  
    name='webencodings',  
    version=VERSION,  
    url='https://github.com/SimonSapin/python-webencodings',  
    license='BSD',  
    author='Simon Sapin',  
    author_email='simon.sapin@exyr.org',  
    description='Character encoding aliases for legacy web content',  
    long_description=LONG_DESCRIPTION,  
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        'Development Status :: 4 - Beta',  
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    ],  
    packages=find_packages(),
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python-webencodings
===============

This is a Python implementation of the `WHATWG Encoding standard <http://encoding.spec.whatwg.org/>`_.

* Latest documentation: http://packages.python.org/webencodings/
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* /opt/cola/permits/1121503976_1610155523.01/0/webencodings-0.5-tar-gz/webencodings-0.5/webencodings/tests.py
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Metadata-Version: 1.1
Name: webencodings
Version: 0.5
Summary: Character encoding aliases for legacy web content
Home-page: https://github.com/SimonSapin/python-webencodings
Author: Simon Sapin
Author-email: simon.sapin@exyr.org
License: BSD
Description: python-webencodings

This is a Python implementation of the `WHATWG Encoding standard <http://encoding.spec.whatwg.org/>`_.

* Latest documentation: http://packages.python.org/webencodings/
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```python
import json
try:
    from urllib import urlopen
except ImportError:
    from urllib.request import urlopen
```

Regenerate the webencodings.labels module.

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def assert_lower(string):
    assert string == string.lower()
    return string

def generate(url):
    parts = ['''
    webencodings.labels
    ~~~~~~~~~~~~~~~~~~~~
    Map encoding labels to their name.
    :
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    # XXX Do not edit!
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    LABELS = {
        '
    labels = [
        (repr(assert_lower(label)).lstrip('u'),
         repr(encoding['name']).lstrip('u'))
        for category in json.loads(urlopen(url).read().decode('ascii'))
        for encoding in category['encodings']
        for label in encoding['labels']]

    max_len = max(len(label) for label, name in labels)
    parts.extend(
        '    %s:%s %s,
' % (label, ' ' * (max_len - len(label)), name)
        for label, name in labels)
    parts.append('}
    return ''.join(parts)

    if __name__ == '__main__':
        print(generate('http://encoding.spec.whatwg.org/encodings.json'))

    Found in path(s):
    * /opt/cola/permits/1121503976_1610155523.01/0/webencodings-0.5-tar-gz/webencodings-0.5/webencodings/mklabels.py
**1.1689 pinkie-promise 2.0.1**

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1.1693 libblkid 2.27.1 6ubuntu3.6

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Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2df055067c18f2cf9 bsd.img

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

Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

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

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

Create 2st primary partition
1bebf87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8dff51a88a045db233418dd73fbd bsd.img

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

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

--------------------
Create default BSD
2e1cee529cb59c9341afe0443f196a1 bsd.img

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

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

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

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

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

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

b5c121c2091b2ff26b880551feac7112 bsd.img
Welcome to fdisk <removed>.
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

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

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

<table>
<thead>
<tr>
<th>Slice Start</th>
<th>End Sectors</th>
<th>Size Type</th>
<th>Fsize</th>
<th>Bsize</th>
<th>Cpg</th>
</tr>
</thead>
<tbody>
<tr>
<td>a</td>
<td>4096 6144</td>
<td>2049</td>
<td>1M 4.2BSD</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>c</td>
<td>4096 20479</td>
<td>16384</td>
<td>8M unused</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>d</td>
<td>0 16064</td>
<td>16065</td>
<td>7.9M unused</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):

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

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

Command (m for help):

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

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1.1694 mount 2.33.1-0.1

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1.1701 zulu 8.19.0.1

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<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
<title>MIT Kerberos License information &mdash; 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" src="_static/jquery.js"></script>
<script type="text/javascript" src="_static/underscore.js"></script>
```

```python
var DOCUMENTATION_OPTIONS = {
URL_ROOT: '/',
VERSION: '1.13.2',
COLLAPSE_INDEX: false,
FILE_SUFFIX: '.html',
HAS_SOURCE: true
};
```

```javascript
<script type="text/javascript" src="_static/jquery.js"></script>
<script type="text/javascript" src="_static/underscore.js"></script>
```
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in

```
lib/gssapi/generic/gssapi_err_generic.c
lib/gssapi/mechglue/g_accept_sec_context.c
```

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<span class="o"></span><span class="n">mechglue</span><span class="o"></span><span class="n">g_acquire_cred</span><span class="o"></span><span class="n">g_canon_name</span><span class="o"></span><span class="n">g_compare_name</span><span class="o"></span><span class="n">g_context_time</span><span class="o"></span><span class="n">g_delete_sec_context</span><span class="o"></span><span class="n">g_dup_name</span><span class="o"></span><span class="n">g_exp_sec_context</span><span class="o"></span><span class="n">g_export_name</span><span class="o"></span><span class="n">g_glue</span><span class="o"></span><span class="n">g_imp_name</span><span class="o"></span><span class="n">g_imp_sec_context</span><span class="o"></span><span class="n">g_init_sec_context</span><span class="o"></span><span class="n">g_initialize</span><span class="o"></span><span class="n">g_inquire_context</span><span class="o"> </span><span class="n">g_acquire_cred</span><span class="o"></span><span class="n">g_canon_name</span><span class="o"></span><span class="n">g_compare_name</span><span class="o"></span><span class="n">g_context_time</span><span class="o"></span><span class="n">g_delete_sec_context</span><span class="o"></span><span class="n">g_dup_name</span><span class="o"></span><span class="n">g_exp_sec_context</span><span class="o"></span><span class="n">g_export_name</span><span class="o"></span><span class="n">g_glue</span><span class="o"></span><span class="n">g_imp_name</span><span class="o"></span><span class="n">g_imp_sec_context</span><span class="o"></span><span class="n">g_init_sec_context</span><span class="o"></span><span class="n">g_initialize</span><span class="o"></span><span class="n">g_inquire_context</span>
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and the initial implementation of incremental propagation, including
the following new or changed files:

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

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*/
Patch for GNU/kFreeBSD portability from Petr Salinger
<Petr.Salinger@t-systems.cz>.

Kerberos RT #3466
Debian bug #261712

=== krb5/src/appl/telnet/telnet/sys_bsd.c
==================================================================
--- krb5/src/appl/telnet/telnet/sys_bsd.c	(revision 2038)
+++ krb5/src/appl/telnet/telnet/sys_bsd.c	(local)
@@ -43,6 +43,8 @@
 #include <sys/types.h>
 #include <sys/time.h>
 #include <sys/socket.h>
+#include <sys/ioctl.h>
+
#define HAVE_SYS_SELECT_H
#include <sys/select.h>
#endif

=== krb5/src/appl/telnet/telnetd/defs.h
==================================================================
--- krb5/src/appl/telnet/telnetd/defs.h	(revision 2038)
+++ krb5/src/appl/telnet/telnetd/defs.h	(local)
@@ -38,6 +38,7 @@
 #include <sys/types.h>
 #include <sys/param.h>
+#include <sys/ioctl.h>

#ifdef BSD
#define BSD 43

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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
   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
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
    slave/kpropd_rpc.c
    slave/kproplog.c

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

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

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cmd/krb5/kproplog/kproplog.c
cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
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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
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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  
  
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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_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
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
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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 != ' ':
        warning
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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   :hidden:

   copyright.rst

.. include:: notice.rst

1.1709 nio4r 2.5.7
1.1709.1 Available under license:

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1.1710 pug-strip-comments 1.0.3
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1.1711 python-colorama 0.3.2-1
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1.1712 form-data 2.3.3

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1.1713 log4j-over-slf4j 1.7.22

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Found in path(s):
* /opt/cola/permits/1001013742_1611179140.07/0/log4j-over-slf4j-1.7.22-sources-jar/org/apache/log4j/spi/OptionHandler.java
* /opt/cola/permits/1001013742_1611179140.07/0/log4j-over-slf4j-1.7.22-sources-jar/org/apache/log4j/PatternLayout.java
* /opt/cola/permits/1001013742_1611179140.07/0/log4j-over-slf4j-1.7.22-sources-jar/org/apache/log4j/SimpleLayout.java
* /opt/cola/permits/1001013742_1611179140.07/0/log4j-over-slf4j-1.7.22-sources-jar/org/apache/log4j/Appender.java
* /opt/cola/permits/1001013742_1611179140.07/0/log4j-over-slf4j-1.7.22-sources-jar/org/apache/log4j/ConsoleAppender.java
* /opt/cola/permits/1001013742_1611179140.07/0/log4j-over-slf4j-1.7.22-sources-jar/org/apache/log4j/spi/LoggerRepository.java
* /opt/cola/permits/1001013742_1611179140.07/0/log4j-over-slf4j-1.7.22-sources-jar/org/apache/log4j/spi/ErrorHandler.java
* /opt/cola/permits/1001013742_1611179140.07/0/log4j-over-slf4j-1.7.22-sources-jar/org/apache/log4j/MDC.java
* /opt/cola/permits/1001013742_1611179140.07/0/log4j-over-slf4j-1.7.22-sources-jar/org/apache/log4j/PropertyConfigurator.java
* /opt/cola/permits/1001013742_1611179140.07/0/log4j-over-slf4j-1.7.22-sources-jar/org/apache/log4j/spi/LoggerFactory.java
* /opt/cola/permits/1001013742_1611179140.07/0/log4j-over-slf4j-1.7.22-sources-jar/org/apache/log4j/spi/Configurator.java
* /opt/cola/permits/1001013742_1611179140.07/0/log4j-over-slf4j-1.7.22-sources-jar/org/apache/log4j/spi/HierarchyEventListener.java
* /opt/cola/permits/1001013742_1611179140.07/0/log4j-over-slf4j-1.7.22-sources-jar/org/apache/log4j/spi/Filter.java
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Found in path(s):
* /opt/cola/permits/1001013742_1611179140.07/0/log4j-over-slf4j-1-7-22-sources-jar/org/apache/log4j/helpers/NullEnumeration.java

1.1714 tile-map kibana
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* /opt/ws_local/PERMITS_SQL/1022263413_1596469090.25/0/tile-map-zip/tile_map/public/editors/_tooltip_formatter.js
* /opt/ws_local/PERMITS_SQL/1022263413_1596469090.25/0/tile-map-zip/tile_map/public/__tests__/coordinate_maps_visualization.js
* /opt/ws_local/PERMITS_SQL/1022263413_1596469090.25/0/tile-map-zip/tile_map/public/markers/geohash_grid.js
* /opt/ws_local/PERMITS_SQL/1022263413_1596469090.25/0/tile-map-zip/tile_map/public/markers/scaled_circles.js
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* /opt/ws_local/PERMITS_SQL/1022263413_1596469090.25/0/tile-map-zip/tile_map/public/base_maps_visualization.js
* /opt/ws_local/PERMITS_SQL/1022263413_1596469090.25/0/tile-map-zip/tile_map/index.js

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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 18067
* /opt/ws_local/PERMITS_SQL/1022263413_1596469090.25/0/tile-map-zip/tile_map/public/coordinateMap_response_handler.js
* /opt/ws_local/PERMITS_SQL/1022263413_1596469090.25/0/tile-map-zip/tile_map/public/editors/wms_options.js
* /opt/ws_local/PERMITS_SQL/1022263413_1596469090.25/0/tile-map-zip/tile_map/public/markers/heatmap.js

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```html
<div>
  <div class="kuiSideBarSection">
    <div class="kuiSideBarSectionTitle">
      <div class="kuiSideBarSectionTitle__text"
        i18n-id="tileMap.wmsOptions.baseLayerSettingsTitle"
        i18n-default-message="Base Layer Settings"
      ></div>
    </div>
  </div>
  <div class="kuiSideBarFormRow" ng-show="!options.enabled">
    <label
      class="kuiSideBarFormRow__label"
      for="tmsLayers"
      i18n-id="tileMap.wmsOptions.layersLabel"
      i18n-default-message="Layers"
    >
      <select
        id="tmsLayers"
        class="kuiSelect kuiSideBarSelect"
        ng-model="options.selectedTmsLayer"
        ng-options="layer.id for layer in collections.tmsLayers track by layer.id"
      ></select>
    </label>
  </div>
  <div class="kuiSideBarFormRow">
    <label
      class="kuiSideBarFormRow__label"
      for="wmsCompliantMapServer"
      i18n-id="tileMap.wmsOptions.wmsMapServerLabel"
      i18n-default-message="WMS map server"
    >
      <input
        id="wmsCompliantMapServer"
      ></label>
  </div>
</div>
```
<div ng-show="options.enabled">
  <div class="form-group">
    <p>
      i18n-id="tileMap.wmsOptions.wmsDescription"
      i18n-default-message="WMS is an OGC standard for map image services. For more information, go to [WMS]."
      i18n-values="{
        html_wmsLink: '<a href="http://www.opengeospatial.org/standards/wms">WMS</a>'
      }"
    </p>
  </div>
  <label>
    <span i18n-id="tileMap.wmsOptions.wmsUrlLabel" i18n-default-message="WMS url*" />
    <icon-tip content="::'tileMap.wmsOptions.urlOfWMSWebServiceTip' | i18n: {
      defaultMessage: 'The URL of the WMS web service'
    }" position="right"
    />
  </label>
  <input type="text" class="form-control"
         name="wms.url"
         ng-model="options.url">
</div>

<div class="form-group">
  <label>
    <span i18n-id="tileMap.wmsOptions.wmsLayersLabel" i18n-default-message="WMS layers*" />
  </label>
</div>
<icon-tip
  content="::'tileMap.wmsOptions.listOfLayersToUseTip' | i18n: {
    defaultMessage: 'A comma separated list of layers to use'
  }
  position="right"
>
</icon-tip>
</label>
<input type="text" class="form-control"
  ng-require="options.enabled"
  name="wms.options.layers"
  ng-model="options.options.layers">
</div>

<div class="form-group">
  <label>
    <span
      i18n-id="tileMap.wmsOptions.wmsVersionLabel"
      i18n-default-message="WMS version*"
    >
  </label>
  <icon-tip
    content="::'tileMap.wmsOptions.versionOfWMSserverSupportsTip' | i18n: {
      defaultMessage: 'The version of WMS the server supports'
    }
    position="right"
  >
  </icon-tip>
  <input type="text" class="form-control"
    name="wms.options.version"
    ng-model="options.options.version">
</div>

<div class="form-group">
  <label>
    <span
      i18n-id="tileMap.wmsOptions.wmsFormatLabel"
      i18n-default-message="WMS format*"
    >
  </label>
  <icon-tip
    content="::'tileMap.wmsOptions.imageFormatToUseTip' | i18n: {
      defaultMessage: 'Usually image/png or image/jpeg. Use png if the server will return transparent layers.'
    }
    position="right"
  >
  </icon-tip>
  <input type="text" class="form-control"
    name="wms.options.format"
    ng-model="options.options.format">
</div>
<div class="form-group">
    <label>
        <span i18n-id="tileMap.wmsOptions.wmsAttributionLabel"
            i18n-default-message="WMS attribution">
        </span>
        <icon-tip
            content="::'tileMap.wmsOptions.attributionStringTip' | i18n: {
                defaultMessage: 'Attribution string for the lower right corner'
            }"
            position="right"
        ></icon-tip>
    </label>
    <input type="text" class="form-control"
        name="wms.options.attribution"
        ng-model="options.options.attribution">
</div>

<div class="form-group">
    <label>
        <span i18n-id="tileMap.wmsOptions.wmsStylesLabel"
            i18n-default-message="WMS styles"
        >
        </span>
        <icon-tip
            content="::'tileMap.wmsOptions.wmsServerSupportedStylesListTip' | i18n: {
                defaultMessage: 'A comma separated list of WMS server supported styles to use. Blank in most cases.'
            }"
            position="right"
        ></icon-tip>
    </label>
    <input type="text" class="form-control"
        name="wms.options.styles"
        ng-model="options.options.styles">
</div>

<p i18n-id="tileMap.wmsOptions.mapLoadFailDescription"
    i18n-default-message="* if this parameter is incorrect, maps will fail to load.">
    </p>

Found in path(s):
1.1715 six 1.8.0

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1.1716 libacl 2.2.52 3

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1.1717 ncursesbin 6.1 1ubuntu1.18.04

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1.1718 libslang 2.3.1a 3ubuntu1

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ext/FileCache/*
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ext/IPC-Open2/*
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this is outdated and dist/PathTools/Cwd.xs itself contains the correct information.

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**1.1735 ssl-client 1.31.1-r20**

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

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

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

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Mersenne Twister
--------------

The `_random' module includes code based on a download from
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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.keio.ac.jp/matumoto/emt.html
email: matumoto@math.keio.ac.jp

Sockets
-------

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

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with python standard

XML Remote Procedure Calls
---------------------------

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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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History of the software

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

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

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

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

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

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Sockets
-------

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

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
  between ascii and binary. This results in a 1000-fold speedup. The C
  version is still 5 times faster, though.
- Arguments more compliant with Python standard

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--------

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Original location:
https://github.com/majek/csiphash/

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

strtod and dtoa
-------------

The file :file:`Python/dtoa.c`, which supplies C functions dtoa and strtod for conversion of C doubles to and from strings, is derived from the file of the same name by David M. Gay, currently available
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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.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is
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The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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

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

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

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

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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
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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.
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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.

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1.1740 certifi 2021.5.30

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This package contains a modified version of ca-bundle.crt:

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

Certificate data from Mozilla as of: Thu Nov  3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:
It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php_curl, or with an Apache+mod_ssl webserver for SSL client authentication.
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@(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $

1.1741 libusb 2:0.1.12-25

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

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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.

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

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a) 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
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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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1.1745 libkadmsgrv-mit11 1.17-3

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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
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lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
and the initial implementation of incremental propagation, including the following new or changed files:

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

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Most GNU software, including some libraries, is covered by the
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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
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When a program is linked with a library, whether statically or using
a shared library, the combination of the two is legally speaking a
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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.

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

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

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"Source code" for a work means the preferred form of the work for 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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   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.

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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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that copy, so the ordinary GNU General Public License applies to all
subsequent copies and derivative works made from that copy.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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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.
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``Copyright'' also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

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@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.

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@enumerate a
@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
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@end enumerate

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@enumerate a
@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.

@end enumerate
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.

@item
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.

@end enumerate

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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@mtiame.mtia.oz.au), Michel Schinz, and
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.
Thomas Funke (thf@zelator.in-berlin.de(?)) and
Brian D. Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and
Dave Detiefs (detiefs@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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Version 3.1, 31 March 2009

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@end page

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@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
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<td>lib/interception/mach_override</td>
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1.1749 sshfs 2.5 1ubuntu1

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/opt/ws_local/PERMITS_SQL/1068448925_1594388878.03/0/spring-core-4-3-5-release-sources-jar/org/springframework/core/annotation/Order.java
*/

/opt/ws_local/PERMITS_SQL/1068448925_1594388878.03/0/spring-core-4-3-5-release-sources-jar/org/springframework/core/annotation/AlternativeJdkIdGenerator.java
*/

/opt/ws_local/PERMITS_SQL/1068448925_1594388878.03/0/spring-core-4-3-5-release-sources-jar/org/springframework/core/convert/support/SerializationDelegate.java
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History and License
*******************

History of the software
========================

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http://www.zope.com/). In 2001, the Python Software Foundation (PSF, see
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Mersenne Twister

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

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

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

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-------

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L. Peter Deutsch
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at
    http://www.ietf.org/rfc/rfc1321.txt
The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include any code or documentation that is identified in the RFC as being copyrighted.

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

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

Asynchronous socket services
-------------------------------

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* /opt/cola/permits/1110905341_1606871385.15/0/kjd-idna-v2-10-0-ge5c11db-1-tar-gz/kjd-idna-
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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',
            '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.*',
    }

    setup(**arguments)
if __name__ == '__main__':
    main()

Found in path(s):
* /opt/cola/permits/1110905341_1606871385.15/0/kjd-idna-v2-10-0-ge5c11db-1-tar-gz/kjd-idna-b8defb9/setup.py

1.1771 libffi 3.2.1 4

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It was downloaded from ftp://sourceware.org/pub/libffi/

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1.1772 python-idna 2.0 3

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Source: https://github.com/kjd/idna

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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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1.1790 libpython-stdlib 2.7.15~rc1-1
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This package was put together by Klee Dienes <klee@debian.org> from sources from ftp.python.org:/pub/python, based on the Debianization by the previous maintainers Bernd S. Brentrup <bsb@uni-muenster.de> and
Bruce Perens.

Current maintainer is Matthias Klose <doko@debian.org> until the final 2.3 version is released.

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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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1.1791 libpam-modules 1.1.8 3.2ubuntu2.1

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* /opt/ws_local/PERMITS_SQL/1072871146_1595214703.66/0/netty-transport-4-1-42-final-sources-1-
jar/io/netty/channel/WriteBufferWaterMark.java
* /opt/ws_local/PERMITS_SQL/1072871146_1595214703.66/0/netty-transport-4-1-42-final-sources-1-
jar/io/netty/channel/DefaultSelectStrategyFactory.java

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* /opt/ws_local/PERMITS_SQL/1072871146_1595214703.66/0/netty-transport-4-1-42-final-sources-1
  jar/io/netty/channel/socket/ChannelOutputShutdownException.java
* /opt/ws_local/PERMITS_SQL/1072871146_1595214703.66/0/netty-transport-4-1-42-final-sources-1
  jar/io/netty/channel/socket/ChannelOutputShutdownEvent.java
* /opt/ws_local/PERMITS_SQL/1072871146_1595214703.66/0/netty-transport-4-1-42-final-sources-1
  jar/io/netty/bootstrap/FailedChannel.java
* /opt/ws_local/PERMITS_SQL/1072871146_1595214703.66/0/netty-transport-4-1-42-final-sources-1
  jar/io/netty/channel/nio/SelectedSelectionKeySetSelector.java
* /opt/ws_local/PERMITS_SQL/1072871146_1595214703.66/0/netty-transport-4-1-42-final-sources-1
  jar/io/netty/channel/socket/oio/OioDatagramChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1072871146_1595214703.66/0/netty-transport-4-1-42-final-sources-1
  jar/io/netty/channel/DelegatingChannelPromiseNotifier.java
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  jar/io/netty/channel/socket/ChannelInputShutdownReadComplete.java
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  jar/io/netty/channel/internal/package-info.java
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  jar/io/netty/channel/internal/ChannelUtils.java
* /opt/ws_local/PERMITS_SQL/1072871146_1595214703.66/0/netty-transport-4-1-42-final-sources-1
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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>
* <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>
* <p>* 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]&lt;Message&gt; {
    *
    * private boolean loggedIn;
    *
    *
    * { @code @Override }
    * public void channelRead0([@link ChannelHandlerContext] ctx, Message message) {
    *

authenticate((LoginMessage) message);
<b>loggedIn = true;</b>
} else (message instanceof GetDataMessage) {
  if (<b>loggedIn</b>) {
    ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
  } else {
    fail();
  }
}
<b>loggedIn = false;</b>

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 {ChannelInitializer#initChannel(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 = AttributeKey.valueOf("auth");

  @Override
  public void channelRead(ChannelHandlerContext ctx, Message message) {
    Attribute<Boolean> attr = ctx.attr(auth);
    attr = attr == null ? false : Boolean.valueOf(attr.get());
    if (auth) {  // your code here }
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* if (message instanceof LoginMessage) {
*     authenticate((LoginMessage) o);
*     attr.set(true);
* } else (message instanceof GetDataMessage) {
*     if (Boolean.TRUE.equals(attr.get())) {
*         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}<@link Channel>&gt; { 
*     private static final DataServerHandler SHARED = new DataServerHandler();
*     {
*         [ @code @Override]
*         public void initChannel({@link Channel} channel) {
*             channel.pipeline().addLast("handler", SHARED);
*         }
*     }
* </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
* </p>
* Additional resources worth reading</h3>
* </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/1072871146_1595214703.66/0/netty-transport-4-1-42-final-sources-1-jar/io/netty/channel/ConnectTimeoutException.java
* /opt/ws_local/PERMITS_SQL/1072871146_1595214703.66/0/netty-transport-4-1-42-final-sources-1-jar/io/netty/channel/AbstractEventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1072871146_1595214703.66/0/netty-transport-4-1-42-final-sources-1-jar/io/netty/channel/group/DefaultChannelGroup.java
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* /opt/ws_local/PERMITS_SQL/1072871146_1595214703.66/0/netty-transport-4-1-42-final-sources-1-jar/io/netty/channel/socket/oio/OioServerSocketChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1072871146_1595214703.66/0/netty-transport-4-1-42-final-sources-1-jar/io/netty/channel/socket/oio/DefaultOioSocketChannelConfig.java
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* /opt/ws_local/PERMITS_SQL/1072871146_1595214703.66/0/netty-transport-4-1-42-final-sources-1-jar/io/netty/channel/group/ChannelMatcher.java
* /opt/ws_local/PERMITS_SQL/1072871146_1595214703.66/0/netty-transport-4-1-42-final-sources-1-jar/io/netty/channel/ChannelHandlerAdapter.java
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* /opt/ws_local/PERMITS_SQL/1072871146_1595214703.66/0/netty-transport-4-1-42-final-sources-1-jar/io/netty/channel/socket/oio/OioSocketChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1072871146_1595214703.66/0/netty-transport-4-1-42-final-sources-1-jar/io/netty/channel/AbstractChannelInboundHandler.java
* /opt/ws_local/PERMITS_SQL/1072871146_1595214703.66/0/netty-transport-4-1-42-final-sources-1-jar/io/netty/channel/ChannelProgressivePromise.java

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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

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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

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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1.1798 python-yaml 3.11 3build1

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1.1799 commons-beanutils 1.8.3

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1.1800 libusb 2:1.0.21-2

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1.1801 chownr 1.1.3

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1.1802 react-input-range 1.3.0

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1.1803 libxmlsec1-openssl 1.2.25 1build1

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xmlsec-mscrypto library

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1.1804 raw-body 2.4.1

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1.1805 libitm 8.4.0 1ubuntu1~18.04

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

HISTORY -

Early versions of this collector were developed as a part of research
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@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(agi@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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Version 2.1, February 1999

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@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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==============================================================================

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Developed by:

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1.1807 tzinfo 2.0.4
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1.1822 **fontconfig-config 2.13.1-2**

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1.1824 asm-util 5.0.3

1.1825 @babel/helper-replace-supers 7.1.0

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1.1826 minimalistic-crypto-utils 1.0.1
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crypto module.

```js
const utils = require('minimalistic-crypto-utils');

utils.toArray('abcd', 'hex');
utils.encode([ 1, 2, 3, 4 ], 'hex');
utils.toHex([ 1, 2, 3, 4 ]); //

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[0]: http://tools.ietf.org/html/rfc6979
[1]: https://github.com/indutny/bn.js
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[3]: https://github.com/bitchan/eccrypto
[4]: https://github.com/wanderer/secp256k1-node

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   analysis/common/src/java/org/apache/lucene/analysis/ru/FinnishLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/ru/FrenchLightStemmer.java
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Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
===========================================================================

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iconv (Charset Conversion Library) v2.0

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

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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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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 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.

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DRuntime: Runtime Library for the D Programming Language
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========

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1.1839 libmagic 1:5.35-4

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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 (brazille@diamond.bbn.com) originally supplied the ULTRIX code. Al Dossor (dossor@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 Petterson(jep@mtiame.mtia.oz.au), Michel Schinz, and
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.
Thomas Funke (thf@zelator.in-berlin.de(?)) and
Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and
Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks(agg@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
type allocation facility. (His dynamic type inference code hasn't
made it into the released version of the collector, yet.)
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Directory native/fdlibm

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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.
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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.

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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  * 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/>
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  * SSL fingerprint and alternative hostname verification
  * Bugfixes in testsuite

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* 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@ravelosystems.com>
  * Allowed to skip SSL hostname verification

* Cory Benfield <https://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 <https://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 <https://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 <abacababadacaba@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

* Thea Flowers <magicalgirl@google.com>
  * App Engine environment tests.
  * Documentation re-write.

* 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.skytta@iki.fi>
  * Logging efficiency improvements, spelling fixes, Travis config.

* Shige Takeda <smtakeda@gmail.com>
  * Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response

* Jesse Shapiro <jesse@jesseshapiro.net>
  * Various character-encoding fixes/tweaks
  * Disabling IPv6 DNS when IPv6 connections not supported

* David Foster <http://dafoster.net/>
  * Ensure order of request and response headers are preserved.

* Jeremy Cline <jeremy@jcline.org>
  * Added connection pool keys by scheme

* Aviv Palivoda <palaviv@gmail.com>
  * History list to Retry object.
  * HTTPResponse contains the last Retry object.

* Nate Prewitt <nate.prewitt@gmail.com>
  * Ensure timeouts are not booleans and greater than zero.
  * Fixed infinite loop in `stream` when amt=None.
  * Added length_remaining to determine remaining data to be read.
  * Added enforce_content_length to raise exception when incorrect content-length received.

* Seth Michael Larson <sethmichaellarson@protonmail.com>
  * Created selectors backport that supports PEP 475.

* Alexandre Dias <alex.dias@smarkets.com>
  * Don't retry on timeout if method not in whitelist

* Moinuddin Quadri <moin18@gmail.com>
  * Lazily load idna package

* Tom White <s6yg1ez3@mail2tor.com>
  * Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.

* Tim Burke <tim.burke@gmail.com>
  * Stop buffering entire deflate-encoded responses.

* Tuukka Mustonen <tuukka.mustonen@gmail.com>
  * Add counter for status_forceclist retries.

* Erik Rose <erik@mozilla.com>
* Bugfix to pyopenssl vending

* Wolfgang Richter <wolfgang.richter@gmail.com>
  * Bugfix related to loading full certificate chains with PyOpenSSL backend.

* Mike Miller <github@mikeage.net>
  * Logging improvements to include the HTTP(S) port when opening a new connection

* Ioannis Tziakos <mail@itziakos.gr>
  * Fix `utilselectors._fileobj_to_fd` to accept `long`.
  * Update appveyor tox setup to use the 64bit python.

* Akamai (through Jesse Shapiro) <jshapiro@akamai.com>
  * Ongoing maintenance

* Dominique Leuenberger <dimstar@opensuse.org>
  * Minor fixes in the test suite

* Will Bond <will@wbond.net>
  * Add Python 2.6 support to `contrib.securetransport`

* Aleksei Alekseev <alekseev.yeskela@gmail.com>
  * using auth info for socks proxy

* Chris Wilcox <git@crwilcox.com>
  * Improve contribution guide
  * Add `HTTPResponse.geturl` method to provide `urlib2.urlopen().geturl()` behavior

* Bruce Merry <https://www.brucemerry.org.za>
  * Fix leaking exceptions when system calls are interrupted with zero timeout

* Hugo van Kemenade <https://github.com/hugovk>
  * Drop support for EOL Python 2.6

* Tim Bell <https://github.com/timb07>
  * Bugfix for responses with Content-Type: message/* logging warnings

* Justin Bramley <https://github.com/jbramleycl>
  * Add ability to handle multiple Content-Encodings

* Katsuhiko YOSHIDA <https://github.com/kyoshidajp>
  * Remove Authorization header regardless of case when redirecting to cross-site

* [Your name or handle] <[email or website]>
  * [Brief summary of your changes]
### An HTTP(s) proxy `http.Agent` implementation for HTTPS

This module provides an `http.Agent` implementation that connects to a specified HTTP or HTTPS proxy server, and can be used with the built-in `https` module.

Specifically, this `Agent` implementation connects to an intermediary "proxy" server and issues the [CONNECT HTTP method][CONNECT], which tells the proxy to open a direct TCP connection to the destination server.

Since this agent implements the CONNECT HTTP method, it also works with other protocols that use this method when connecting over proxies (i.e. WebSockets).

See the "Examples" section below for more.

### Installation

Install with `npm`:

```
$ npm install https-proxy-agent
```

### Examples

#### `https` module example

```
var url = require('url');
var https = require('https');
var HttpsProxyAgent = require('https-proxy-agent');

// HTTP/HTTPS proxy to connect to
var proxy = process.env.http_proxy || 'http://168.63.76.32:3128';
console.log('using proxy server %j', proxy);
```
// HTTPS endpoint for the proxy to connect to
console.log('attempting to GET %j', endpoint);
var options = url.parse(endpoint);

// create an instance of the `HttpsProxyAgent` class with the proxy server information
var agent = new HttpsProxyAgent(proxy);
options.agent = agent;

https.get(options, function (res) {
    console.log("response" event!, res.headers);
    res.pipe(process.stdout);
});
```

``` js
var url = require('url');
var WebSocket = require('ws');
var HttpsProxyAgent = require('https-proxy-agent');

// HTTP/HTTPS proxy to connect to
var proxy = process.env.http_proxy || 'http://168.63.76.32:3128';
console.log('using proxy server %j', proxy);

// WebSocket endpoint for the proxy to connect to
var endpoint = process.argv[2] || 'ws://echo.websocket.org';
var parsed = url.parse(endpoint);
console.log('attempting to connect to WebSocket %j', endpoint);

// create an instance of the `HttpsProxyAgent` class with the proxy server information
var options = url.parse(proxy);
var agent = new HttpsProxyAgent(options);

// finally, initiate the WebSocket connection
var socket = new WebSocket(endpoint, { agent: agent });

socket.on('open', function () {
    console.log("open" event!);
    socket.send('hello world');
});

socket.on('message', function (data, flags) {
    console.log("message" event! %j %j, data, flags);
    socket.close();
});
```
### new HttpsProxyAgent(Object options)

The `HttpsProxyAgent` class implements an `http.Agent` subclass that connects to the specified "HTTP(s) proxy server" in order to proxy HTTPS and/or WebSocket requests. This is achieved by using the [HTTP `CONNECT` method][CONNECT].

The `options` argument may either be a string URI of the proxy server to use, or an "options" object with more specific properties:

* `host` - String - Proxy host to connect to (may use `hostname` as well). Required.
* `port` - Number - Proxy port to connect to. Required.
* `secureProxy` - Boolean - If `true`, then use TLS to connect to the proxy. Defaults to `false`.
* `headers` - Object - Additional HTTP headers to be sent on the HTTP CONNECT method.
* Any other options given are passed to the `net.connect()`/`tls.connect()` functions.

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[CONNECT]: http://en.wikipedia.org/wiki/HTTP_tunnel#HTTP.CONNECT_Tunneling
1.1847 j2objc-annotations 1.1

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3. [3] Bernd Altmeyer <altmeier@atlsoft.de> hopf Elektronik serial line and PCI-bus devices
5. [6] Michael Barone <michael.barone@lmco.com> GPSVME fixes
6. [7] Karl Berry <karl@owl.HQ.ileaf.com> syslog to file option
7. [8] Greg Brackley <greg.brackley@bigfoot.com> Major rework of WINNT port. Clean up recvbuf and iosignal code into separate modules.
8. [9] Marc Brett <Marc.Brett@westgeo.com> Magnavox GPS clock driver
9. [10] Pietre Brooks <Pietre.Brooks@el.cam.ac.uk> MSF clock driver, Trimble PARSE support
10. [11] Nelson B Bolyard <nelson@bolyard.me> update and complete broadcast and crypto features in snntp
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13. [14] Steve Clift <clift@ml.csiro.au> OMEGA clock driver
14. [15] Casey Crellin <casey@csc.co.za> vxWorks (Tornado) port and help with target configuration
15. [16] Sven Dietrich <sven_dietrich@trimble.com> Palisade reference clock driver, NT adj. residuals, integrated Greg's Winnt port.
17. [18] Torsten Duwe <duwe@immd4.informatik.uni-erlangen.de> Linux port
18. [19] Dennis Ferguson <dennis@mrbill.canet.ca> foundation code for NTP Version 2 as specified in RFC-1119
19. [20] John Hay <jhay@icomtek.csir.co.za> IPv6 support and testing
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23. [24] Mike Iglesias <iglesias@uci.edu> DEC Alpha port
25. [26] Jeff Johnson <sjb@chatham.usdesign.com> massive prototyping overhaul
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27. [29] Poul-Henning Kamp <phk@FreeBSD.ORG> Oncore driver (Original author)
Open Source Used In DNAC Frost Platform Maglev 1.7.0

28. [30] Frank Kardel <kardel(at)ntp(dot)org> PARSE <GENERIC>
(driver 14 reference clocks), STREAMS modules for PARSE, support
scripts, syslog cleanup, dynamic interface handling
29. [32] Johannes Maximilian Kuehn <kuehn@ntp.org> Rewrote sntp to
comply with NTPv4 specification, ntpq saveconfig
30. [33] William L. Jones <jones@hermes.chpc.utexas.edu> RS/6000 AIX
modifications, HPUX modifications
31. [34] Dave Katz <dkatz@cisco.com> RS/6000 AIX port
32. [35] Craig Leres <leres@ee.lbl.gov> 4.4BSD port, ppsclock, Magnavox
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33. [36] George Lindholm <lindholm@ucs.ubc.ca> SunOS 5.1 port
34. [37] Louis A. Mamakos <louie@ni.umd.edu> MD5-based authentication
35. [38] Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation
code for Version 3 as specified in RFC-1305
Maintenance
37. [40] David L. Mills <mills@udel.edu> Version 4 foundation,
precision kernel; clock drivers: 1, 3, 4, 6, 7, 11, 13, 18, 19,
22, 36
38. [41] Wolfgang Moeller <moeller@gwdg1.dnet.gwdg.de> VMS port
39. [42] Jeffrey Mogul <mogul@pa.dec.com> ntptrace utility
40. [43] Tom Moore <tmoore@fievel.daytonoh.ncr.com> i386 svr4 port
41. [44] Kamal A Mostafa <kamal@whence.com> SCO OpenServer port
42. [45] Derek Mulcahy <derek@toybox.demon.co.uk> and [46] Damon
Hart-Davis <d@hd.org> ARCRON MSF clock driver
43. [47] Rob Neal <neal@ntp.org> Bancomm refclock and config/parse code
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44. [48] Rainer Pruy <Rainer.Pruy@informatik.uni-erlangen.de>
monitoring/trap scripts, statistics file handling
45. [49] Dirce Richards <dirce@zk3.dec.com> Digital UNIX V4.0 port
46. [50] Wilfredo Sanchez <wsanchez@apple.com> added support for
NetInfo
47. [51] Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
48. [52] Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of
space on the stuff in the html/pic/subdirectory
49. [53] Ray Schnitzler <schnitz@unipress.com> Unixware1 port
50. [54] Michael Shields <shields@tembel.org> USNO clock driver
51. [55] Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock
driver
52. [56] Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure
makeover, various other bits (see the ChangeLog)
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54. [58] Ajit Thyagarajan <ajit@ee.udel.edu> IP multicast/anycast
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56. [60] Brian Utterback <brian.utterback@oracle.com> General codebase,
Solaris issues
57. [61] Loganaden Velvindron <loganaden@gmail.com> Sandboxing (libseccomp) support
58. [62] Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver
59. [63] Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and validated HTML documents according to the HTML DTD

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long-opts;
config-header = config.h;
environrc;
no-misuse-usage;
version-proc = ntpOptionPrintVersion;

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

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

/*
 * HMS: man pages already have this, and texi pages can use the
 * values in snntp/include/version.texi .
 */
// doc-sub = {
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//    sub-text = 's/#VERSION#/<<version>>/g';
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- Takao Abe <takao.abe@xurb.jp> Clock driver for JJY receivers
- Mark Andrews <mark.andrews@isc.org> Leitch atomic clock controller
- Bernd Altmeier <altmeier@atlsoft.de> hopf Elektronik serial line and PCI-bus devices
- Viraj Bais <vbais@mailman1.intel.com> and Clayton Kirkwood <kirkwood@striderfm.intel.com> port to Windows NT 3.5
- Michael Barone <michael.barone@lmco.com> GPSVME fixes
- Karl Berry <karl@owl.HQ.ileaf.com> syslog to file option
- Greg Brackley <greg.brackley@bigfoot.com> Major rework of WINNT port. Clean up recvbuf and iosignal code into separate modules.
- Marc Brett <Marc.Brett@westgeo.com> Magnavox GPS clock driver
- Piete Brooks <Piete.Brooks@cl.cam.ac.uk> MSF clock driver, Trimble PARSE support
- Nelson B Bolyard <nelson@bolyard.me> update and complete broadcast and crypto features in sntp
- Jean-Francois Boudreault <Jean-Francois.Boudreault@viagenie.qc.ca> IPv6 support
- Reg Clemens <reg@dwf.com> Oncore driver (Current maintainer)
- Steve Clift <clift@ml.csiro.au> OMEGA clock driver
- Casey Crellin <casey@csc.co.za> vxWorks (Tornado) port and help with target configuration
- Sven Dietrich <sven_dietrich@trimble.COM> Palisade reference clock driver, NT adj. residuals, integrated Greg’s Winnt port.
- John A. Dundas III <dundas@salt.jpl.nasa.gov> Apple A/UX port
- Torsten Duwe <torsten.duwe@immd4.informatik.uni-erlangen.de>
<li><a href="mailto:%20dennis@mrbill.canet.ca">Dennis Ferguson <dennis@mrbill.canet.ca></a> foundation code for NTP Version 2 as specified in RFC-1119</li>

<li><a href="mailto:%20jhay@icomtek.csir.co.za">John Hay <jhay@icomtek.csir.co.za></a> IPv6 support and testing</li>

<li><a href="mailto:%20davehart@davehart.com">Dave Hart <davehart@davehart.com></a> General maintenance, Windows port interpolation rewrite</li>

<li><a href="mailto:%20neoclock4x@linum.com">Claas Hilbrecht <neoclock4x@linum.com></a> NeoClock4X clock driver</li>

<li><a href="mailto:%20glenn@herald.usask.ca">Glenn Hollinger <glenn@herald.usask.ca></a> GOES clock driver</li>

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ARCRON MSF clock driver

Bancomss refclock and config/parse code maintenance

Rainer Pruy <Rainer.Pruy@informatik.uni-erlangen.de>

Digital UNIX V4.0 port

<dirce@zk3.dec.com>Dirce Richards <dirce@zk3.dec.com>

SunOS streams modules</dir>

Jack Sasportas <jack@innovativeinternet.com>

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

Unixware1 port

USNO clock driver</dir>

Datum PTS clock driver

GNU automake/autoconfigure makeover, various other bits (see the ChangeLog)

HP-UX port</dir>

IP multicast/anycast support</dir>

TRAK clock driver</dir>

General codebase, Solaris issues</dir>

Sandboxing (libseccomp) support</dir>

TrueTime clock driver

<Ulrich.Windl@rz.uni-regensburg.de>Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de>

corrected and validated HTML documents according to the HTML DTD</dir>

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1.1852 python2-minimal 2.7.16-1

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This package was put together by Klee Dienes <klee@debian.org> from sources from ftp.python.org:/pub/python, based on the Debianization by the previous maintainers Bernd S. Brentrup <bsb@uni-muenster.de> and Bruce Perens.

Current maintainer is Matthias Klose <doko@debian.org> until the final 2.3 version is released.

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

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

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

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

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

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.
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1.1854 pip 20.3.4

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

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

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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.

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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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This package contains a modified version of ca-bundle.crt:

cascade.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:
It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php_curl, or with an Apache+mod_ssl webserver for SSL client authentication. Just configure this file as the SSLCACertificateFile.#

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  jar/com/google/common/collection/MultimapBuilder.java
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/*
 * This method was rewritten in Java from an intermediate step of the Murmur hash function in
 * http://code.google.com/p/smhasher/source/browse/trunk/MurmurHash3.cpp, which contained the
 * following header:
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jar/com/google/common/collect/Hashing.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/ForwardingTable.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/xml/XmlEscapers.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/ImmutableClassToInstanceMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/ComparisonChain.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/ImmutableEnumSet.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/ImmutableTable.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/ArrayTable.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/util/concurrent/FirstService.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/ComputationException.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/cache/CacheBuilder.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/CacheBuilder.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/reflect/TypeResolver.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/html/HtmlEscapers.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/net/HostSpecifier.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/io/LineProcessor.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/ImmutableAsList.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/SingletonImmutableSet.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/AbstractListMultimap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/HashMultimap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/eventbus/AllowConcurrentEvents.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/ExplicitOrdering.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/ListMultimap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/BiMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/eventbus/EventSubscriber.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/eventbus/DeadEvent.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/LinkedHashMultiset.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/ImmutableList.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/base/Predicates.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/io/LittleEndianDataOutputStream.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/EnumBiMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/ForwardingSortedMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/util/concurrent/ListenableFuture.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/base/Throwables.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/ObjectArrays.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/eventbus/SynchronizedEventSubscriber.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/AbstractMapBasedMultiset.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/ForwardingConcurrentMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/MapConstraint.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/SortedSetMultimap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/io/LittleEndianDataInputStream.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/MutableClassToInstanceMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/ForwardingList.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/Multisets.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/base/FinalizableReferenceQueue.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/ForwardingIterator.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/Iterators.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/Iterables.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/Sets.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/AbstractSetMultimap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/Constraint.java
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jar/com/google/common/base/Functions.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/ByFunctionOrdering.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/ForwardingCollection.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/hash/AbstractCompositeHashFunction.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/cache/ForwardingLoadingCache.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/hash/AbstractNonStreamingHashFunction.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/util/concurrent/ExecutionError.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/base/PairwiseEquivalence.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/cache/RemovalNotification.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/reflect/TypeParameter.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/cache/ForwardingCache.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/math/package-info.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/math/LongMath.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/util/concurrent/ForwardingListeningExecutorService.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/WellBehavedMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/util/concurrent/WrappingExecutorService.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/cache/CacheBuilderSpec.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/math/DoubleUtils.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/cache/RemovalCause.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/base/Absent.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/cache/AbstractLoadingCache.java
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jar/com/google/common/reflect/Reflection.java

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jar/com/google/common/cache/Weigher.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/math/MathPreconditions.java

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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/RangeSet.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/Count.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/ImmutableSortedMultiset.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/primitives/UnsignedInteger.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/GeneralRange.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/primitives/UnsignedInts.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/primitives/ParseRequest.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/SortedIterables.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/AbstractRangeSet.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/ForwardingSortedMultiset.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/RegularImmutableSortedMultiset.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/ImmutableSortedMultisetFauxverideShim.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/primitives/UnsignedLong.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/escape/Escaper.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/UnmodifiableIterator.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/primitives/Chars.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/HashBasedTable.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/ImmutableSortedSet.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/ImmutableMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/PeekingIterator.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/util/concurrent/RunnableFutureTask.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/ImmutableMapKeySet.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/base/Utf8.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/annotations/Beta.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/util/concurrent/ListeningExecutorService.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collect/RowSortedTable.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collect/AbstractSequentialIterator.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collect/SortedMapDifference.java
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jar/com/google/common/collect/ForwardingSetMultimap.java
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jar/com/google/common/base/Equivalence.java
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jar/com/google/common/base/Ascii.java
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jar/com/google/common/util/concurrent/UncaughtExceptionHandler.java
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jar/com/google/common/util/concurrent/Atomics.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collect/MinMaxPriorityQueue.java
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jar/com/google/common/net/package-info.java
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jar/com/google/common/collect/UnmodifiableListIterator.java
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jar/com/google/common/hash/Murmur3_32HashFunction.java
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 * /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/SparseImmutableTable.java
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  jar/com/google/common/collect/CartesianList.java
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  jar/com/google/common/collect/ImmutableRangeMap.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/SortedLists.java

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1.1857 sunec 1.8.0_112

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

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

The following was received February 23, 2000
From: "Linn, John" <jlinn@rsasecurity.com>

February 19, 2000

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@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:
1.1874 cert-validator 1.5.5

1.1874.1 Available under license:
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Metadata-Version: 2.0
Name: cert-validator
Version: 1.5.5
Summary: Certificate Validation Service (1.5.5)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: asn1crypto
Requires-Dist: certvalidator
Requires-Dist: oscrypto
Requires-Dist: pyOpenSSL

# Installation
+ Works with: python 2 and 3 both
+ This is python certificate validator
+ Usage:
  from cert_validator import CertValidator

  cert_val_obj = CertValidator(<hostname>, <host_port>, revocation_mode,
                      logger_handle, proxies=<dict>)

  if cert_val_obj.connect():
    if cert_val_obj.validate():
      print("validation succesfull")
    else:
      print("validation failed !!!")
  else:
    print("cannot connect to host")

+ Default values: host_port : 443 Integer
  revocation_mode: "require" str # certificate must have crl or ocsp in it
  - available values: "soft-fail", "hard-fail", "require"
  logger_handle = <None> logger_object
  proxies = <None>, pass dictionary of proxies as
  { "https" : <https_proxy_url",
    "http" : <http_proxy_url"
  }

+ Exception handling: socket error for connection
1.1875 libcgi-fast-perl 1:2.13-1

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=head1 NAME

CGI::Fast - CGI Interface for Fast CGI

=head1 SYNOPSIS

use CGI::Fast
  socket_path => '9000',
  socket_perm => 0777,
  listen_queue => 50;

use CGI qw/ :standard /;

$COUNTER = 0;

# optional, will default to STDOUT, STDERR
CGI::Fast->file_handles(
  fcgi_output_file_handle => IO::Handle->new,
  fcgi_error_file_handle  => IO::Handle->new,
);

while ($q = CGI::Fast->new) {
  process_request($q);
}

=head1 DESCRIPTION

CGI::Fast is a subclass of the CGI object created by CGI.pm. It is specialized to work with the FCGI module, which greatly speeds up CGI scripts by turning them into persistently running server processes. Scripts that perform time-consuming initialization processes, such as
loading large modules or opening persistent database connections, will see large performance improvements.

=head1 OTHER PIECES OF THE PUZZLE

In order to use CGI::Fast you'll need the FCGI module. See http://www.cpan.org/ for details.

=head1 WRITING FASTCGI PERL SCRIPTS

FastCGI scripts are persistent: one or more copies of the script are started up when the server initializes, and stay around until the server exits or they die a natural death. After performing whatever one-time initialization it needs, the script enters a loop waiting for incoming connections, processing the request, and waiting some more.

A typical FastCGI script will look like this:

```perl
#!/perl
use CGI::Fast;
do_some_initialization();
while ($q = CGI::Fast->new) {
    process_request($q);
}
```

Each time there's a new request, CGI::Fast returns a CGI object to your loop. The rest of the time your script waits in the call to new(). When the server requests that your script be terminated, new() will return undef. You can of course exit earlier if you choose. A new version of the script will be respawned to take its place (this may be necessary in order to avoid Perl memory leaks in long-running scripts).

CGI.pm's default CGI object mode also works. Just modify the loop this way:

```perl
while (CGI::Fast->new) {
    process_request();
}
```

Calls to header(), start_form(), etc. will all operate on the current request.

=head1 INSTALLING FASTCGI SCRIPTS

See the FastCGI developer's kit documentation for full details. On
the Apache server, the following line must be added to srm.conf:

```
AddType application/x-httpd-fcgi .fcgi
```

FastCGI scripts must end in the extension .fcgi. For each script you install, you must add something like the following to srm.conf:

```
FastCgiServer /usr/etc/httpd/fcgi-bin/file_upload.fcgi -processes 2
```

This instructs Apache to launch two copies of file_upload.fcgi at startup time.

=head1 USING FASTCGI SCRIPTS AS CGI SCRIPTS

Any script that works correctly as a FastCGI script will also work correctly when installed as a vanilla CGI script. However it will not see any performance benefit.

=head1 EXTERNAL FASTCGI SERVER INVOCATION

FastCGI supports a TCP/IP transport mechanism which allows FastCGI scripts to run external to the webserver, perhaps on a remote machine. To configure the webserver to connect to an external FastCGI server, you would add the following to your srm.conf:

```
FastCgiExternalServer /usr/etc/httpd/fcgi-bin/file_upload.fcgi -host sputnik:8888
```

Two environment variables affect how the C<CGI::Fast> object is created, allowing C<CGI::Fast> to be used as an external FastCGI server. (See C<FCGI> documentation for C<FCGI::OpenSocket> for more information.)

You can set these as ENV variables or imports in the use CGI::Fast statement. If the ENV variables are set then these will be favoured so you can override the import statements on the command line, etc.

=over

=item FCGI_SOCKET_PATH / socket_path

The address (TCP/IP) or path (UNIX Domain) of the socket the external FastCGI script to which bind an listen for incoming connections from the web server.

=item FCGI_SOCKET_PERM / socket_perm

Permissions for UNIX Domain socket.

=item FCGI_LISTEN_QUEUE / listen_queue
Maximum length of the queue of pending connections, defaults to 100.

For example:

```perl
use CGI::Fast
    socket_path => "sputnik:8888",
    listen_queue => "50"
;
use CGI qw/ :standard /;
do_some_initialization();

while ($q = CGI::Fast->new) {
    process_request($q);
}
```

Or:

```perl
use CGI::Fast;
use CGI qw/ :standard /;
do_some_initialization();

$ENV{FCGI_SOCKET_PATH} = "sputnik:8888";
$ENV{FCGI_LISTEN_QUEUE} = 50;

while ($q = CGI::Fast->new) {
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}
```

Note the importance of having use CGI after use CGI::Fast as this will prevent any CGI import pragmas being overwritten by CGI::Fast. You can use CGI::Fast as a drop in replacement like so:

```perl
use CGI::Fast qw/ :standard /
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=head1 FILE HANDLES

FCGI defaults to using STDOUT and STDERR as its output filehandles - this may lead to unexpected redirect of output if you migrate scripts from CGI.pm to CGI::Fast. To get around this you can use the file_handles method, which you must do B<before> the first call to CGI::Fast->new. For example using IO::Handle:
CGI::Fast->file_handles({
    fcgi_output_file_handle => IO::Handle->new,
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});

while (CGI::Fast->new) {
    ..
}

Overriding STDIN using the C<fcgi_input_file_handle> key is also possible, however doing so is likely to break at least POST requests.

=head1 CAVEATS

I haven't tested this very much.

=head1 LICENSE

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=head1 BUGS

This section intentionally left blank.

=head1 SEE ALSO

L<CGI::Carp>, L<CGI>

=cut

Found in path(s):
* /opt/cola/permits/1119807971_1609792876.36/0/libcgi-fast-perl-2-13-orig-1-tar-gz/CGI-Fast-2.13/lib/CGI/Fast.pm
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# NAME

CGI::Fast - CGI Interface for Fast CGI
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use CGI::Fast
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In order to use CGI::Fast you'll need the FCGI module. See http://www.cpan.org/ for details.

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FastCGI scripts are persistent: one or more copies of the script are started up when the server initializes, and stay around until the server exits or they die a natural death. After performing whatever one-time initialization it needs, the script enters a
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Each time there's a new request, CGI::Fast returns a CGI object to your loop. The rest of the time your script waits in the call to new(). When the server requests that your script be terminated, new() will return undef. You can of course exit earlier if you choose. A new version of the script will be respawned to take its place (this may be necessary in order to avoid Perl memory leaks in long-running scripts).

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- FCGI\_SOCKET\_PATH / socket\_path

  The address (TCP/IP) or path (UNIX Domain) of the socket the external FastCGI script to which bind an listen for incoming connections from the web server.

- FCGI\_SOCKET\_PERM / socket\_perm

  Permissions for UNIX Domain socket.

- FCGI\_LISTEN\_QUEUE / listen\_queue

  Maximum length of the queue of pending connections, defaults to 100.

For example:

```
use CGI::Fast
    socket_path => "sputnik:8888",
    listen_queue => "50"
;
use CGI qw/ :standard /;

do_some_initialization();

while ($q = CGI::Fast->new) {
    process_request($q);
}
```
Or:

```perl
use CGI::Fast;
use CGI qw/:standard /;

do_some_initialization();

$ENV{FCGI_SOCKET_PATH} = "sputnik:8888";
$ENV{FCGI_LISTEN_QUEUE} = 50;

while ($q = CGI::Fast->new) {
    process_request($q);
}
```

Note the importance of having use CGI after use CGI::Fast as this will prevent any CGI import pragmas being overwritten by CGI::Fast. You can use CGI::Fast as a drop in replacement like so:

```perl
use CGI::Fast qw/:standard /
```

### # FILE HANDLES

FCGI defaults to using STDOUT and STDERR as its output filehandles - this may lead to unexpected redirect of output if you migrate scripts from CGI.pm to CGI::Fast. To get around this you can use the `file_handles` method, which you must do **before** the first call to CGI::Fast->new. For example using IO::Handle:

```perl
CGI::Fast->file_handles(
    fcgi_output_file_handle => IO::Handle->new,
    fcgi_error_file_handle  => IO::Handle->new,
);
```

```perl
while (CGI::Fast->new) {
    ..
}
```

Overriding STDIN using the `fcgi_input_file_handle` key is also possible, however doing so is likely to break at least POST requests.

### # CAVEATS

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Address bug reports and comments to:

https://github.com/leejo/cgi-fast

# SEE ALSO

[CGI::Carp](https://metacpan.org/pod/CGI::Carp), [CGI](https://metacpan.org/pod/CGI)

---

abstract: unknown
author:
- unknown
build_requires:
  File::Temp: '0'
  Test::More: '0'
configure_requires: {}
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 7.24, CPAN::Meta::Converter version 2.150010'
license: perl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: '1.4'
name: CGI-Fast
no_index:
directory:
  - t
  - inc
  - t
requires:
  CGI: '4'
  Carp: '0'
  FCGI: '0.67'
  if: '0'
  perl: '5.008001'
resources:
bugtracker: https://github.com/leejo/cgi-fast/issues
homepage: https://metacpan.org/module/CGI::Fast
license: http://dev.perl.org/licenses/
repository: https://github.com/leejo/cgi-fast
version: '2.13'
x_serialization_backend: 'CPAN::Meta::YAML version 0.018'

Found in path(s):
* /opt/cola/permits/1119807971_1609792876.36/0/libcgi-fast-perl-2-13-orig-1-tar-gz/CGI-Fast-2.13/META.yml

1.1876 libdns1100 1:9.11.3+dfsg 1ubuntu1.13
1.1876.1 Available under license:

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Upstream-Name: BIND
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Files-Excluded: contrib/idn
ccontrib/dnserf-2.1.0.0-1
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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 3a0982da308228d796df35f98d787c5cfe2bb5b6.

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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1.1877 libpython3-dev 3.5.1 3

1.1877.1 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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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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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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Comment:
This package was debianized by Brendan O'Dea <bod@debian.org> on Thu, 17 Aug 2000 16:10:54 +1000.

Upstream Authors:

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cpan/CPAN-Meta/lib/CPAN/Meta/History/Meta_1_2.pod
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dist/if/*
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    but, as discussed in
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abstract: 'Build and install Perl modules'
author:
  - 'Ken Williams <kwilliams@cpan.org>'
  - "Development questions, bug reports, and patches should be sent to the\n    Module-Build mailing list at <module-build@perl.org>.'"
build_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
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1.1882 plugin-classloader 6.7.1

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bzip2/libbzip2 version 1.0.6 of 6 September 2010

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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Ty Coon, President of Vice

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

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LLVM Team

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<table>
<thead>
<tr>
<th>Program</th>
<th>Directory</th>
</tr>
</thead>
<tbody>
<tr>
<td>mach_override</td>
<td>lib/interception/mach_override</td>
</tr>
</tbody>
</table>

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1.1896 response-time 2.3.2

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1.1897 libmodule-pluggable-perl 5.1-1

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=pod

=head1 NAME

Module::Pluggable - automatically give your module the ability to have plugins

=head1 SYNOPSIS

Simple use Module::Pluggable -

    package MyClass;
    use Module::Pluggable;

and then later ...

    use MyClass;
    my $mc = MyClass->new();
    # returns the names of all plugins installed under MyClass::Plugin::*
    my @plugins = $mc->plugins();

=head1 EXAMPLE
Why would you want to do this? Say you have something that wants to pass an object to a number of different plugins in turn. For example you may want to extract meta-data from every email you get sent and do something with it. Plugins make sense here because then you can keep adding new meta data parsers and all the logic and docs for each one will be self contained and new handlers are easy to add without changing the core code. For that, you might do something like ...

```perl
package Email::Examiner;

use strict;
use Email::Simple;
use Module::Pluggable require => 1;

sub handle_email {
    my $self  = shift;
    my $email = shift;

    foreach my $plugin ($self->plugins) {
        $plugin->examine($email);
    }

    return 1;
}
```

.. and all the plugins will get a chance in turn to look at it.

This can be trivially extended so that plugins could save the email somewhere and then no other plugin should try and do that. Simply have it so that the `examine` method returns `1` if it has saved the email somewhere. You might also want to be paranoid and check to see if the plugin has an `examine` method.

```perl
foreach my $plugin ($self->plugins) {
    next unless $plugin->can('examine');
    last if $plugin->examine($email);
}
```

And so on. The sky's the limit.

=head1 DESCRIPTION

Provides a simple but, hopefully, extensible way of having 'plugins' for
your module. Obviously this isn't going to be the be all and end all of solutions but it works for me.

Essentially all it does is export a method into your namespace that looks through a search path for .pm files and turn those into class names.

Optionally it instantiates those classes for you.

=head1 ADVANCED USAGE

Alternatively, if you don't want to use 'plugins' as the method ...

    package MyClass;
    use Module::Pluggable sub_name => 'foo';

and then later ...

    my @plugins = $mc->foo();

Or if you want to look in another namespace

    package MyClass;
    use Module::Pluggable search_path => ['Acme::MyClass::Plugin', 'MyClass::Extend'];

or directory

    use Module::Pluggable search_dirs => ['mylibs/Foo'];

Or if you want to instantiate each plugin rather than just return the name

    package MyClass;
    use Module::Pluggable instantiate => 'new';

and then

    # whatever is passed to 'plugins' will be passed
    # to 'new' for each plugin
    my @plugins = $mc->plugins(@options);

alternatively you can just require the module without instantiating it

    package MyClass;
    use Module::Pluggable require => 1;
since requiring automatically searches inner packages, which may not be desirable, you can turn this off

package MyClass;
use Module::Pluggable require => 1, inner => 0;

You can limit the plugins loaded using the except option, either as a string, array ref or regex

package MyClass;
use Module::Pluggable except => 'MyClass::Plugin::Foo';

or

package MyClass;
use Module::Pluggable except => ['MyClass::Plugin::Foo', 'MyClass::Plugin::Bar'];

or

package MyClass;
use Module::Pluggable except => qr/^MyClass::Plugin::(Foo|Bar)$/;

and similarly for only which will only load plugins which match.

Remember you can use the module more than once

package MyClass;
use Module::Pluggable search_path => 'MyClass::Filters' sub_name => 'filters';
use Module::Pluggable search_path => 'MyClass::Plugins' sub_name => 'plugins';

and then later ...

my @filters = $self->filters;
my @plugins = $self->plugins;

=head1 PLUGIN SEARCHING

Every time you call 'plugins' the whole search path is walked again. This allows for dynamically loading plugins even at run time. However this can get expensive and so if you don't expect to want to add new plugins at run time you could do

package Foo;
use strict;
use Module::Pluggable sub_name => '_plugins';
our @PLUGINS;
sub plugins { @PLUGINS ||= shift->{_plugins } }
1;

=head1 INNER PACKAGES

If you have, for example, a file `lib/Something/Plugin/Foo.pm` that contains package definitions for both `Something::Plugin::Foo` and `Something::Plugin::Bar` then as long as you either have either the `require` or `instantiate` option set then we'll also find `Something::Plugin::Bar`. Nifty!

=head1 OPTIONS

You can pass a hash of options when importing this module.

The options can be ...

=head2 sub_name

The name of the subroutine to create in your namespace.

By default this is 'plugins'

=head2 search_path

An array ref of namespaces to look in.

=head2 search_dirs

An array ref of directories to look in before @INC.

=head2 instantiate

Call this method on the class. In general this will probably be 'new' but it can be whatever you want. Whatever arguments are passed to 'plugins' will be passed to the method.

The default is 'undef' i.e just return the class name.

=head2 require

Just require the class, don't instantiate (overrides 'instantiate');

=head2 inner

If set to 0 will not search inner packages.
If set to 1 will override `require`. 
=head2 only

Takes a string, array ref or regex describing the names of the only plugins to return. Whilst this may seem perverse ... well, it is. But it also makes sense. Trust me.

=head2 except

Similar to C<only> it takes a description of plugins to exclude from returning. This is slightly less perverse.

=head2 package

This is for use by extension modules which build on C<Module::Pluggable>: passing a C<package> option allows you to place the plugin method in a different package other than your own.

=head2 file_regex

By default C<Module::Pluggable> only looks for I<.pm> files.

By supplying a new C<file_regex> then you can change this behaviour e.g

    file_regex => qr/\plugin$/

=head2 include_editor_junk

By default C<Module::Pluggable> ignores files that look like they were left behind by editors. Currently this means files ending in F<~> (~), the extensions F<.swp> or F<swo>, or files beginning with F<.#>.

Setting C<include_editor_junk> changes C<Module::Pluggable> so it does not ignore any files it finds.

=head2 follow_symlinks

Whether, when searching directories, to follow symlinks.

Defaults to 1 i.e do follow symlinks.

=head2 min_depth, max_depth

This will allow you to set what 'depth' of plugin will be allowed.

So, for example, C<MyClass::Plugin::Foo> will have a depth of 3 and C<MyClass::Plugin::Foo::Bar> will have a depth of 4 so to only get the former (i.e C<MyClass::Plugin::Foo>) do
package MyClass;
use Module::Pluggable max_depth => 3;

and to only get the latter (i.e C<MyClass::Plugin::Foo::Bar>)

package MyClass;
use Module::Pluggable min_depth => 4;

=head1 TRIGGERS

Various triggers can also be passed in to the options.

If any of these triggers return 0 then the plugin will not be returned.

=head2 before_require <plugin>

Gets passed the plugin name.

If 0 is returned then this plugin will not be required either.

=head2 on_require_error <plugin> <err>

Gets called when there's an error on requiring the plugin.

Gets passed the plugin name and the error.

The default on_require_error handler is to C<carp> the error and return 0.

=head2 on_instantiate_error <plugin> <err>

Gets called when there's an error on instantiating the plugin.

Gets passed the plugin name and the error.

The default on_instantiate_error handler is to C<carp> the error and return 0.

=head2 after_require <plugin>

Gets passed the plugin name.

If 0 is returned then this plugin will be required but not returned as a plugin.

=head1 METHODS

=head2 search_path
The method \texttt{C<search\_path>} is exported into your namespace as well. You can call that at any time to change or replace the \texttt{search\_path}.

\begin{verbatim}
$self->search\_path( add => "New::Path" ); # add
$self->search\_path( new => "New::Path" ); # replace
\end{verbatim}

=heading BEHAVIOUR UNDER TEST ENVIRONMENT

In order to make testing reliable we exclude anything not from \texttt{blib} if \texttt{blib.pm} is in \%INC.

However if the module being tested used another module that itself used \texttt{C<Module::Pluggable>} then the second module would fail. This was fixed by checking to see if the caller had (^/)/blib/ in their filename.

There's an argument that this is the wrong behaviour and that modules should explicitly trigger this behaviour but that particular code has been around for 7 years now and I'm reluctant to change the default behaviour.

You can now (as of version 4.1) force \texttt{Module::Pluggable} to look outside \texttt{blib} in a test environment by doing either

\begin{verbatim}
require Module::Pluggable;
$Module::Pluggable::FORCE\_SEARCH\_ALL\_PATHS = 1;
import Module::Pluggable;
\end{verbatim}

or

\begin{verbatim}
use Module::Pluggable force\_search\_all\_paths => 1;
\end{verbatim}

=heading @INC hooks and App::FatPacker

If a module's \texttt{@INC} has a hook and that hook is an object which has a \texttt{C<files()>} method then we will try and require those files too. See \texttt{C<t/26inc\_hook.t>} for an example.

This has allowed \texttt{L<App::FatPacker>} (as of version 0.10.0) to provide support for \texttt{Module::Pluggable}.

This should also, theoretically, allow someone to modify PAR to do the same thing.

=heading FUTURE PLANS

This does everything I need and I can't really think of any other features I want to add. Famous last words of course (not least because we're up to version 5.0 at the time of writing).

However suggestions (and patches) are always welcome.

=heading DEVELOPMENT
The master repo for this module is at

https://github.com/simonwistow/Module-Pluggable

=head1 AUTHOR

Simon Wistow <simon@thegestalt.org>

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=head1 BUGS

None known.

=head1 SEE ALSO

L<File::Spec>, L<File::Find>, L<File::Basename>, L<Class::Factory::Util>, L<Module::Pluggable::Ordered>

=cut

Found in path(s):
* /opt/cola/permits/1136857491_1613950639.47/0/libmodule-pluggable-perl-5-1-orig-1-tar-gz/Module-Pluggable-5.1/lib/Module/Pluggable.pm
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=head1 BUGS

None known.

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Found in path(s):
* /opt/cola/permits/1136857491_1613950639.47/0/libmodule-pluggable-perl-5-1-orig-1-tar-gz/Module-Pluggable-
Module::Pluggable::Object - automatically give your module the ability to have plugins

Simple use Module::Pluggable -

```perl
package MyClass;
use Module::Pluggable::Object;

my $finder = Module::Pluggable::Object->new(%opts);
print "My plugins are: ":join( "", $finder->plugins )."\n";
```

Provides a simple but, hopefully, extensible way of having 'plugins' for your module. Obviously this isn't going to be the be all and end all of solutions but it works for me.

Essentially all it does is export a method into your namespace that looks through a search path for .pm files and turn those into class names.

Optionally it instantiates those classes for you.

This object is wrapped by C<Module::Pluggable>. If you want to do something odd or add non-general special features you're probably best to wrap this and produce your own subclass.

See the C<Module::Pluggable> docs.

Simon Wistow <simon@thegestalt.org>

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BUGS
None known.

SEE ALSO
L<Module::Pluggable>

=cut

Found in path(s):
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---
abstract: 'automatically give your module the ability to have plugins'
author:
  - 'Simon Wistow <simon@thegestalt.org>'
build_requires:
  Test::More: 0.62
configure_requires:
  Module::Build: 0.38
dynamic_config: 1
generated_by: 'Module::Build version 0.4007, CPAN::Meta::Converter version 2.120351'
license: perl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Pluggable
provides:
  Devel::InnerPackage:
    file: lib/Devel/InnerPackage.pm
    version: 0.4
  Module::Pluggable:
    file: lib/Module/Pluggable.pm
    version: 5.1
  Module::Pluggable::Object:
    file: lib/Module/Pluggable/Object.pm
    version: 5.1
requires:
  File::Basename: 0
  File::Spec: 3.00
  if: 0
resources:
  license: http://dev.perl.org/licenses/
  repository: https://github.com/simonwistow/Module-Pluggable
version: 5.1

Found in path(s):
* /opt/cola/permits/1136857491_1613950639.47/0/libmodule-pluggable-perl-5-1-orig-1-tar-gz/Module-Pluggable-5.1/META.yml

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NAME
Module::Pluggable - automatically give your module the ability to have plugins

SYNOPSIS
Simple use Module::Pluggable -

    package MyClass;
    use Module::Pluggable;

    and then later ...

    use MyClass;
    my $mc = MyClass->new();
    # returns the names of all plugins installed under MyClass::Plugin::*
    my @plugins = $mc->plugins();

EXAMPLE
Why would you want to do this? Say you have something that wants to pass an object to a number of different plugins in turn. For example you may want to extract meta-data from every email you get sent and do something with it. Plugins make sense here because then you can keep adding new meta data parsers and all the logic and docs for each one will be self contained and new handlers are easy to add without changing the core code. For that, you might do something like ...

    package Email::Examiner;

    use strict;
    use Email::Simple;
    use Module::Pluggable require => 1;

    sub handle_email {
        my $self = shift;
        my $email = shift;

        foreach my $plugin ($self->plugins) {
            $plugin->examine($email);
        }

        return 1;
    }
.. and all the plugins will get a chance in turn to look at it.

This can be trivally extended so that plugins could save the email somewhere and then no other plugin should try and do that. Simply have it so that the "examine" method returns 1 if it has saved the email somewhere. You might also want to be paranoid and check to see if the plugin has an "examine" method.

```perl
foreach my $plugin ($self->plugins) {
    next unless $plugin->can('examine');
    last if $plugin->examine($email);
}
```

And so on. The sky's the limit.

DESCRIPTION
Provides a simple but, hopefully, extensible way of having 'plugins' for your module. Obviously this isn't going to be the be all and end all of solutions but it works for me.

Essentially all it does is export a method into your namespace that looks through a search path for .pm files and turn those into class names.

Optionally it instantiates those classes for you.

ADVANCED USAGE
Alternatively, if you don't want to use 'plugins' as the method ...

```perl
package MyClass;
use Module::Pluggable sub_name => 'foo';
```

and then later ...

```perl
my @plugins = $mc->foo();
```

Or if you want to look in another namespace

```perl
package MyClass;
use Module::Pluggable search_path => ['Acme::MyClass::Plugin', 'MyClass::Extend'];
```

or directory

```perl
use Module::Pluggable search_dirs => ['mylibs/Foo'];
```

Or if you want to instantiate each plugin rather than just return the


```perl
name

package MyClass;
use Module::Pluggable instantiate => 'new';

and then

# whatever is passed to 'plugins' will be passed
# to 'new' for each plugin
my @plugins = $mc->plugins(@options);

alternatively you can just require the module without instantiating it

package MyClass;
use Module::Pluggable require => 1;

since requiring automatically searches inner packages, which may not be desirable, you can turn this off

package MyClass;
use Module::Pluggable require => 1, inner => 0;

You can limit the plugins loaded using the except option, either as a string, array ref or regex

package MyClass;
use Module::Pluggable except => 'MyClass::Plugin::Foo';

or

package MyClass;
use Module::Pluggable except => ['MyClass::Plugin::Foo', 'MyClass::Plugin::Bar'];

or

package MyClass;
use Module::Pluggable except => qr/^MyClass::Plugin::(Foo|Bar)$/;

and similarly for only which will only load plugins which match.

Remember you can use the module more than once

package MyClass;
use Module::Pluggable search_path => 'MyClass::Filters' sub_name => 'filters';
use Module::Pluggable search_path => 'MyClass::Plugins' sub_name => 'plugins';

and then later ...
```
my @filters = $self->filters;
my @plugins = $self->plugins;

PLUGIN SEARCHING
Every time you call 'plugins' the whole search path is walked again.
This allows for dynamically loading plugins even at run time. However
this can get expensive and so if you don't expect to want to add new
plugins at run time you could do

package Foo;
use strict;
use Module::Pluggable sub_name => '_plugins';

our @PLUGINS;
sub plugins { @PLUGINS ||= shift->_plugins }
1;

INNER PACKAGES
If you have, for example, a file lib/Something/Plugin/Foo.pm that
contains package definitions for both "Something::Plugin::Foo" and
"Something::Plugin::Bar" then as long as you either have either the
require or instantiate option set then we'll also find
"Something::Plugin::Bar". Nifty!

OPTIONS
You can pass a hash of options when importing this module.

The options can be ...

sub_name
The name of the subroutine to create in your namespace.

By default this is 'plugins'

search_path
An array ref of namespaces to look in.

search_dirs
An array ref of directorys to look in before @INC.

instantiate
Call this method on the class. In general this will probably be 'new'
but it can be whatever you want. Whatever arguments are passed to
'plugins' will be passed to the method.

The default is 'undef' i.e just return the class name.

require
Just require the class, don't instantiate (overrides 'instantiate');

inner
If set to 0 will not search inner packages. If set to 1 will override "require".

only
Takes a string, array ref or regex describing the names of the only plugins to return. Whilst this may seem perverse ... well, it is. But it also makes sense. Trust me.

except
Similar to "only" it takes a description of plugins to exclude from returning. This is slightly less perverse.

package
This is for use by extension modules which build on "Module::Pluggable": passing a "package" option allows you to place the plugin method in a different package other than your own.

file_regex
By default "Module::Pluggable" only looks for *.pm* files.

By supplying a new "file_regex" then you can change this behaviour e.g

    file_regex => qr/\./plugin$/

include_editor_junk
By default "Module::Pluggable" ignores files that look like they were left behind by editors. Currently this means files ending in ~ (~), the extensions .swp or .swo, or files beginning with #.

Setting "include_editor_junk" changes "Module::Pluggable" so it does not ignore any files it finds.

follow_symlinks
Whether, when searching directories, to follow symlinks.

Defaults to 1 i.e do follow symlinks.

min_depth, max_depth
This will allow you to set what 'depth' of plugin will be allowed.

So, for example, "MyClass::Plugin::Foo" will have a depth of 3 and "MyClass::Plugin::Foo::Bar" will have a depth of 4 so to only get the former (i.e "MyClass::Plugin::Foo") do

    package MyClass;
use Module::Pluggable max_depth => 3;

and to only get the latter (i.e "MyClass::Plugin::Foo::Bar")

package MyClass;
use Module::Pluggable min_depth => 4;

TRIGGERS
Various triggers can also be passed in to the options.

If any of these triggers return 0 then the plugin will not be returned.

before_require <plugin>
 Gets passed the plugin name.

If 0 is returned then this plugin will not be required either.

on_require_error <plugin> <err>
 Gets called when there's an error on requiring the plugin.

Gets passed the plugin name and the error.

The default on_require_error handler is to "carp" the error and return 0.

on_instantiate_error <plugin> <err>
 Gets called when there's an error on instantiating the plugin.

Gets passed the plugin name and the error.

The default on_instantiate_error handler is to "carp" the error and return 0.

after_require <plugin>
 Gets passed the plugin name.

If 0 is returned then this plugin will be required but not returned as a plugin.

METHODs
search_path
The method "search_path" is exported into you namespace as well. You can call that at any time to change or replace the search_path.

$self->search_path( add => "New::Path" ); # add
$self->search_path( new => "New::Path" ); # replace

BEHAVIOUR UNDER TEST ENVIRONMENT
In order to make testing reliable we exclude anything not from blib if blib.pm is in %INC.

However if the module being tested used another module that itself used "Module::Pluggable" then the second module would fail. This was fixed by checking to see if the caller had (^/|)lib/ in their filename.

There's an argument that this is the wrong behaviour and that modules should explicitly trigger this behaviour but that particular code has been around for 7 years now and I'm reluctant to change the default behaviour.

You can now (as of version 4.1) force Module::Pluggable to look outside blib in a test environment by doing either

    require Module::Pluggable;
    $Module::Pluggable::FORCE_SEARCH_ALL_PATHS = 1;
    import Module::Pluggable;

or

    use Module::Pluggable force_search_all_paths => 1;

FUTURE PLANS
This does everything I need and I can't really think of any other features I want to add. Famous last words of course

Recently tried fixed to find inner packages and to make it 'just work' with PAR but there are still some issues.

However suggestions (and patches) are welcome.

DEVELOPMENT
The master repo for this module is at

https://github.com/simonwistow/Module-Pluggable

AUTHOR
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BUGS
None known.
SEE ALSO
File::Spec, File::Find, File::Basename, Class::Factory::Util,
Module::Pluggable::Ordered

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 * Rob Earhart
 * Rob Siemborski
 */

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  * Basic-authenticated HTTPSConnectionPool (merged into make_headers)

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* Response gzip and deflate encoding support
* Better unicode support for filepost using StringIO buffers

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* API unification of ssl_version/cert_reqs
* SSL fingerprint and alternative hostname verification
* Bugfixes in testsuite

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* Fixed pickle support of some exceptions

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  * Generate 'Host' header when using proxies.

* Jason Robinson <jaywink@basshero.org>
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* Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
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* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
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* Stephen Holsapple <sholsapp@gmail.com>
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* Martin von Gagern <Martin.vGagern@gmx.net>
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* Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
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  * HTTPResponse.tell() for determining amount received over the wire

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  * Ignore default ports when comparing hosts for equality

* Danilo @dbrgn <http://dbrgn.ch/>
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  * Disabled TLS compression in pyopenssl contrib module
  * Configurable cipher suites in pyopenssl contrib module

* Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
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* 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>
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* Krishna Prasad <kprasad.iitd@gmail.com>
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  * Basic-authenticated HTTPSConnectionPool (merged into make_headers)

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  * Client-verified SSL certificates for HTTPSConnectionPool
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  * Better unicode support for filepost using StringIO buffers

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  * Non-multipart encoding for POST requests

* p.dobrogost <http://code.google.com/u/@WBRSRIBZDhBFQB6/>
  * Code review, PEP8 compliance, benchmark fix

* kennethreitz <me@kennethreitz.com>
  * Bugfixes, suggestions, Requests integration

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  * Bugfixes, Improvements and Test coverage

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* 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

[Your name or handle] <[email or website]>
* [Brief summary of your changes]

1.1917 tunnel-agent 0.3.0

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Source: https://metacpan.org/release/Params-Util

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1.1923 node-gyp 3.6.2
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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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1.1925 libdw 0.170 0.4ubuntu0.1

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1.1929 pythonpipwhl 8.1.1 2ubuntu0.4

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1.1930 readable-stream 2.3.3

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1.1931 libfile-fcntllock-perl 0.22-1+b1
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1.1932 director 1.2.7
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1.1933 npm-user-validate 1.0.0

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1.1934 object-keys 1.1.1

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1.1935 libgcc-dev 5.4.0 6ubuntu1~16.04.12

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

HISTORY -

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

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

Some other contributors:

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

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

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@miame.mtia.oz.au), Michel Schinz, and
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.

Thomas Funke (thf@zelator.in-berlin.de(?)) and
Brian D. Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and
Dave Detlefs (detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks (agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports.
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to
a Motorola 88K processor running CX/UX (Harris NightHawk).
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to
nonIBM development environments (a nontrivial task).
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.
David Chase, then at Olivetti Research, suggested several improvements.
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the
code to save and print call stacks for leak detection on a SPARC.
Jesse Hull and John Ellis supplied the C++ interface code.
Zhong Shao performed much of the experimentation that led to the
current typed allocation facility. (His dynamic type inference code hasn't
made it into the released version of the collector, yet.)

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

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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.

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That's all there is to it!
GCC RUNTIME LIBRARY EXCEPTION
Version 3.1, 31 March 2009

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Version 3, 29 June 2007

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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.

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

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

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1.1936 maglev-appctl 1.7.11

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Metadata-Version: 2.0
Name: maglev-appctl
Version: 1.7.11
Summary: Maglev Python Application Controller (1.7.11)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: click (==6.6)
Requires-Dist: click-completion (==0.2.1)
Requires-Dist: hprof2flamegraph (==0.0.6)
Requires-Dist: psutil (==5.6.6)
Requires-Dist: pyJwt (==1.5.1)
Requires-Dist: requests (==2.25.1)
Requires-Dist: toml (==0.9.2)

# Installation
+ Requires: Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

# How to test and develop in local mac
- Use pyvenv to create a virtual env in /opt/maglev
- u can either call the activate script to activate the virtualenv

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  zip/inputdir/packages_extracted/tar/1/packages_extracted/7/packages_extracted/usr/local/lib/python3.6/dist-
  packages/maglev_appctl-1.7.11.dist-info/METADATA

1.1937 libtimedate-perl 2.3000-2

1.1938 passwd 1:4.2 3.1ubuntu5.4

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1.1942 spring-context-support

3.2.8.RELEASE

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* /opt/cola/permits/1111264878_1607991875.24/0/spring-context-support-3-2-8-release-sources-1-
  jar/org/springframework/scheduling/commonj/DelegatingTimerListener.java
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* /opt/cola/permits/1111264878_1607991875.24/0/spring-context-support-3-2-8-release-sources-1-jar/org/springframework/ui/jasperreports/JasperReportsUtils.java
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* /opt/cola/permits/1111264878_1607991875.24/0/spring-context-support-3-2-8-release-sources-1-jar/org/springframework/scheduling/commonj/TimerManagerTaskScheduler.java
* /opt/cola/permits/1111264878_1607991875.24/0/spring-context-support-3-2-8-release-sources-1-jar/org/springframework/scheduling/quartz/JobMethodInvocationFailedException.java
* /opt/cola/permits/1111264878_1607991875.24/0/spring-context-support-3-2-8-release-sources-1-jar/org/springframework/scheduling/commonj/TimerManagerAccessor.java

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* /opt/cola/permits/1111264878_1607991875.24/0/spring-context-support-3-2-8-release-sources-1-jar/org/springframework/ui/freemarker/FreeMarkerTemplateUtils.java
* /opt/cola/permits/1111264878_1607991875.24/0/spring-context-support-3-2-8-release-sources-1-jar/org/springframework/scheduling/commonj/ScheduledTimerListener.java
* /opt/cola/permits/1111264878_1607991875.24/0/spring-context-support-3-2-8-release-sources-1-jar/org/springframework/mail/MailParseException.java
* /opt/cola/permits/1111264878_1607991875.24/0/spring-context-support-3-2-8-release-sources-1-jar/org/springframework/scheduling/quartz/LocalTaskExecutorThreadPool.java
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jar/org/springframework/scheduling/quartz/SimpleThreadPoolTaskExecutor.java
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* /opt/cola/permits/1111264878_1607991875.24/0/spring-context-support-3-2-8-release-sources-1-
jar/org/springframework/cache/ehcache/EhCacheCacheManager.java
* /opt/cola/permits/1111264878_1607991875.24/0/spring-context-support-3-2-8-release-sources-1-
jar/org/springframework/scheduling/quartz/SchedulerAccessor.java
* /opt/cola/permits/1111264878_1607991875.24/0/spring-context-support-3-2-8-release-sources-1-
1.1943 dpkg 1.17.27

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This is free software, and you are welcome to redistribute it
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<signature of Ty Coon>, 1 April 1989
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1.1946 iferr 0.1.5

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1.1947 libtext-charwidth-perl 0.04-7.1

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The hypothetical commands 'show w' and 'show c' should show the
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<signature of Ty Coon>, 1 April 1989
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That's all there is to it!

1.1948 libsemanage-common 2.3-1build3
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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
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All Python releases are Open Source (see http://www.opensource.org
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1.6 1.5.2 2000    CNRI    no
2.0 1.6 2000    BeOpen.com    no
1.6.1 1.6 2001    CNRI    yes (2)
2.1 2.0+1.6.1 2001    PSF    no
2.0.1 2.0+1.6.1 2001    PSF    yes
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1.1960 better-assert 1.0.2

1.1960.1 Available under license :

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# better-assert
Better c-style assertions using [callsite](https://github.com/visionmedia/callsite) for self-documenting failure messages.

## Installation

$ npm install better-assert

## Example

By default assertions are enabled, however the __NO_ASSERT__ environment variable will deactivate them when truthy.

```js
var assert = require('better-assert');

test();

function test() {
  var user = { name: 'tobi' };
  assert('tobi' == user.name);
  assert('number' == typeof user.age);
}

AssertionError: 'number' == typeof user.age
  at test (/Users/tj/projects/better-assert/example.js:9:3)
  at Object.<anonymous> (/Users/tj/projects/better-assert/example.js:4:1)
  at Module._compile (module.js:449:26)
  at Object.Module._extensions..js (module.js:467:10)
  at Module.load (module.js:356:32)
  at Function.Module._load (module.js:312:12)
  at Module.runMain (module.js:492:10)
  at process.startup.processNextTick.process._tickCallback (node.js:244:9)
```

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Found in path(s):
* /opt/cola/permits/1110635455_1607050460.22/0/better-assert-1-0-2-4-tgz/package/Readme.md

1.1961 lm-sensors 3.6.0-r0
1.1961.1 Available under license:

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

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Bogusz, Jakub
Casagrande, Milo
Castro, Felipe
Chornoivan, Yuri
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Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

Create 2st primary partition
1bebfb7248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8d451a88a045db233418dd73fbd bsd.img

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

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

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

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

Partition table entries are not in disk order. 

Command (m for help): Leaving nested disklabel. 

Command (m for help): 

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

b5c121c2091b2ff26b880551feac7112 bsd.img 

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

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

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

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

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

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):

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

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

Command (m for help):

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1.1974 maglev-internal-api 1.7.28

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No license file was found, but licenses were detected in source scan.

Metadata-Version: 2.0
Name: maglev-internal-api
Version: 1.7.28
Summary: Maglev Internal API Library (1.7.28)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: aiohttp (==2.2.5)
Requires-Dist: chardet (==3.0.4)
Requires-Dist: dnspython (==1.16.0)
# Installation
+ Requires : Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

Found in path(s):
* /opt/cola/permits/1175835383_1624505376.81/0/maglev-internal-api-1.7-28-dist-info-
zip/inputdir/packages_extracted/targz/1/packages_extracted/1/packages_extracted/1/packages_extracted/60/maglev_
internal_api-1.7.28.dist-info/METADATA

## 1.1975 ethtool 5.6-r0

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1.1976 slf4j-log4j 1.6.1

1.1977 npm-package-arg 4.1.1
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1.1979 elfutils-libs 0.180-1.el8

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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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

----
include/GL/gl.h :

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----
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include/GL/glxext.h
include/GL/wglxext.h:

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```
```
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```
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1.1986 gcc-7-base 7.5.0 3ubuntu1~18.04

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

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

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

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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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Sockets
-------

The :mod:`socket` module uses the functions, :func:`getaddrinfo`, and
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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with Python standard

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Select kqueue
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The :mod:`select` module contains the following notice for the kqueue interface::

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SipHash24
---------

The file :file:`Python/pyhash.c` contains Marek Majkowski' implementation of Dan Bernstein's SipHash24 algorithm. It contains the following note::

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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 :file:`Python/dtoa.c`, which supplies C functions dtoa and strtod for conversion of C doubles to and from strings, is derived from the file of the same name by David M. Gay, currently available from http://www.netlib.org/fp/. The original file, as retrieved on March 16, 2009, contains the following copyright and licensing notice::

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-----

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zlib
----

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jloup@gzip.org      madler@alumni.caltech.edu
The implementation of the hash table used by the :mod:`tracemalloc` is based on the cfuhash project:

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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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* 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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1.2003 number-is-nan 1.0.0

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1.2004 maglev-appserver 1.8.25

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Metadata-Version: 2.0
Name: maglev-appserver
Version: 1.8.25
Summary: Maglev Python AppServer(1.8.25)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: MarkupSafe (==1.1.1)
Requires-Dist: aiohttp (==2.2.5)
Requires-Dist: aiohttp-swagger (==1.0.4)
Requires-Dist: async-timeout (==1.4.0)
Requires-Dist: chardet (==3.0.4)
Requires-Dist: importlib-metadata (==2.0.0)
Requires-Dist: influxdb (==3.0.0)
# Installation
+ Requires : Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

# How to test and develop in local mac
- Use pyvenv to create a virtual env in /opt/maglev
- u can either call the activate script to activate the virtualenv

Found in path(s):
* /opt/cola/permits/1175804225_1624491509.41/0/maglev-appserver-1-8-25.dist-info-
  zip/inputdir/packages_extracted/targz/1/packages_extracted/1/packages_extracted/1/packages_extracted/19/maglev_-
  appserver-1.8.25.dist-info/METADATA

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1.2008 jQuery 3.1.0

1.2009 Maglev Registration 1.7.7

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Metadata-Version: 2.0
Name: maglev-registration
Version: 1.7.7
Summary: Maglev Registration Service (1.7.7)
Home-page: UNKNOWN
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Requires-Dist: maglev-appserver (~=1.8.0)
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UNKNOWN

Found in path(s):
* /opt/cola/permits/1176040326_1624583028.23/0/maglev-registration-1.7.7-dist-info-
  zip,inputdir/packages_extracted/targz/1/packages_extracted/1/packages_extracted/1/packages_extracted/37/maglev_
  registration-1.7.7.dist-info/METADATA

1.2010 libtbb2 2017~U7-8

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1.2014 netcat-traditional 1.10-41+b1
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1.2018 commons-lang3 3.8.1

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THE BASIC LIBRARY FUNCTIONS

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Written by: Philip Hazel
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* /opt/ws_local/PERMITS_SQL/1022263313_1596469722.84/0/kbn-es-query/zip/kbn-es-query/target/kuery/filter_migration/__tests__/geo_polygon.js
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* /opt/ws_local/PERMITS_SQL/1022263313_1596469722.84/0/kbn-es-query/zip/kbn-es-query/target/kuery/functions/range.js

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* /opt/ws_local/PERMITS_SQL/1022263313_1596469722.84/0/kbn-es-query/target/kuery/filter_migration/range.js
* /opt/ws_local/PERMITS_SQL/1022263313_1596469722.84/0/kbn-es-query/target/kuery/filter_migration/geo_polygon.js
* /opt/ws_local/PERMITS_SQL/1022263313_1596469722.84/0/kbn-es-query/target/kuery/filter_migration/phrase.js
* /opt/ws_local/PERMITS_SQL/1022263313_1596469722.84/0/kbn-es-query/target/kuery/node_types/named_arg.js

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* /opt/ws_local/PERMITS_SQL/1022263313_1596469722.84/0/kbn-es-query/target/kuery/filter_migration/__tests__/filter_to_kuery.js

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* /opt/ws_local/PERMITS_SQL/1022263313_1596469722.84/0/kbn-es-query-zip/kbn-es-query/target/kuery/node_types/function.js
* /opt/ws_local/PERMITS_SQL/1022263313_1596469722.84/0/kbn-es-query-zip/kbn-es-query/target/es_query/from_kuery.js

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* /opt/ws_local/PERMITS_SQL/1022263313_1596469722.84/0/kbn-es-query-zip/kbn-es-query/target/kuery/functions/__tests__/geo_bounding_box.js
* /opt/ws_local/PERMITS_SQL/1022263313_1596469722.84/0/kbn-es-query-zip/kbn-es-query/target/kuery/functions/exists.js
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* /opt/ws_local/PERMITS_SQL/1022263313_1596469722.84/0/kbn-es-query-zip/kbn-es-query/target/kuery/functions/__tests__/range.js
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* /opt/ws_local/PERMITS_SQL/1022263313_1596469722.84/0/kbn-es-query-zip/kbn-es-query/target/filters/__tests__/range.js

1.2021 browserify-sign 4.0.4
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1.2023 rsync 3.1.1 3ubuntu1.3

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This is Debian's prepackaged version of Andrew Tridgell and Paul Mackerras' rsync utility.

This package provides the rsync program, which is a replacement for rcp that uses the rsync algorithm to transfer only the differences between two sets of files.

This package was put together by Philip Hands <phil@hands.com>, from sources obtained from:
http://rsync.samba.org/ftp/rsync/rsync-2.5.4.tar.gz
The current version was downloaded from:
http://rsync.samba.org/ftp/rsync/src/rsync-3.1.0.tar.gz
on 2013-09-30 by Paul Slootman <paul@debian.org>.

The changes were very minimal - merely adding support for the Debian package maintenance scheme by adding various debian/* files.
The only significant change is passing the -4 / -6 options through to ssh.
See the debian/patches/ directory.

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Rsync was originally written by Andrew Tridgell and is currently maintained by Wayne Davison. It has been improved by many developers from around the world.

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1.2024 attr 1:2.4.48-4

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This package was put together by Vaidhyanathan G Mayilrangam <vaidhy@debian.org> and Joel Klecker <espy@debian.org>, using sources obtained from ftp://ftp.gnu.org/gnu/ncurses/ncurses-5.0.tar.gz. Current versions of the ncurses sources are found at ftp://invisible-island.net/ncurses/.

It is based somewhat on work done by Bruce Perens <Bruce@Pixar.com>, David Engel <david@elo.ods.com>, Michael Alan Dorman <mdorman@debian.org>, Richard Braakman <dark@xs4all.nl>, James Troup <jjitroup@comp.brad.ac.uk>, J.H.M. Dassen (Ray) <jdassen@wi.LeidenUniv.nl>, and Galen Hazelwood <galenh@micron.net> over various years.

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* /opt/cola/permits/1111264362_1607987689.13/0/spring-aop-4-3-5-release-sources-jar/org/springframework/aop/support/ClassFilters.java
* /opt/cola/permits/1111264362_1607987689.13/0/spring-aop-4-3-5-release-sources-jar/org/springframework/aop/aspectj/annotation/AnnotationAwareAspectJAutoProxyCreator.java
* /opt/cola/permits/1111264362_1607987689.13/0/spring-aop-4-3-5-release-sources-jar/org/springframework/aop/support/annotation/AnnotationClassFilter.java
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* /opt/cola/permits/1111264362_1607987689.13/0/spring-aop-4-3-5-release-sources-jar/org/springframework/aop/support/IntroductionInfoSupport.java
* /opt/cola/permits/1111264362_1607987689.13/0/spring-aop-4-3-5-release-sources-jar/org/springframework/aop/framework/DefaultAdvisorChainFactory.java
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* /opt/cola/permits/1111264362_1607987689.13/0/spring-aop-4-3-5-release-sources-jar/org/springframework/aop/aspectj/AspectJExpressionPointcutAdvisor.java
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* /opt/cola/permits/1111264362_1607987689.13/0/spring-aop-4-3-5-release-sources-jar/org/springframework/aop/framework/autoproxy/BeanNameAutoProxyCreator.java
* /opt/cola/permits/1111264362_1607987689.13/0/spring-aop-4-3-5-release-sources-jar/org/springframework/aop/interceptor/SimpleAsyncUncaughtExceptionHandler.java

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* /opt/cola/permits/1111264362_1607987689.13/0/spring-aop-4-3-5-release-sources-jar/org/springframework/aop/ThrowsAdvice.java
* /opt/cola/permits/1111264362_1607987689.13/0/spring-aop-4-3-5-release-sources-jar/org/springframework/aop/aspectj/annotation/BeanFactoryAspectJAdvisorsBuilder.java

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* /opt/cola/permits/1112481222_1607094243.34/0/spring-webflow-2-3-0-release-sources-2-jar/org/springframework/webflow/engine/builder/model/FlowRelativeResourceLoader.java

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1.2052 python-etcd 0.4.2

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1.2053 maglev-appctl 1.6.9

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Metadata-Version: 2.0
Name: maglev-appctl
Version: 1.6.9
Summary: Maglev Python Application Controller (1.6.9)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: click (==6.6)
Requires-Dist: click-completion (==0.2.1)
Requires-Dist: hprof2flamegraph (==0.0.6)
Requires-Dist: psutil (==4.3.0)
Requires-Dist: pyJwt (==1.4.0)
Requires-Dist: requests (==2.20.1)
# Installation

+ Requires: Python 3.5 download the dmg and install, use pyenv to create a virtual environment

# How to test and develop in local mac

- Use pyenv to create a virtual env in /opt/maglev
- u can either call the activate script to activate the virtualenv

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* /opt/cola/permits/1139610848_1614667134.91/0/maglev-appctl-1-6-9-dist-info-
  zip/licensemanager_extracted/maglev_appctl-1.6.9-py3-none-any.whl_extracted/maglev_appctl-1.6.9.dist-
  info/METADATA

1.2054 quartz 1.8.6

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* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-
  jar/org/quartz/utils/counter/CounterManagerImpl.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-
  jar/org/quartz/utils/counter/CounterManager.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-
  jar/org/quartz/utils/counter/sampled/SampledCounterConfig.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-
  jar/org/quartz/utils/counter/sampled/SampledRateCounterImpl.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-
  jar/org/quartz/utils/counter/sampled/SampledCounter.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-
jar/org/quartz/utils/counter/CounterConfig.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/utils/counter/sampled/SampledRateCounterConfig.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/utils/counter/sampled/SampledRateCounter.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/utils/counter/sampled/SampledCounterImpl.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/utils/CounterImpl.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/utils/counter/sampled/TimeStampedCounterValue.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/utils/counter/sampled/SampledCounter.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/utils/CircularLossyQueue.java

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* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/listeners/JobListenerSupport.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/listeners/TriggerListenerSupport.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/impl/jdbcjobstore/TablePrefixAware.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/impl/jdbcjobstore/AttributeRestoringConnectionInvocationHandler.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/plugins/SchedulerPluginWithUserTransactionSupport.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/utils/StringKeyDirtyFlagMap.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/listeners/SchedulerListenerSupport.java
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* /opt/cola/permits/1147423557_1617011810.90/quartz-1-8-6-sources-1-
jar/org/quartz/plugins/xml/XMLSchedulingDataProcessorPlugin.java
* /opt/cola/permits/1147423557_1617011810.90/quartz-1-8-6-sources-1-
jar/org/quartz/xml/XMLSchedulingDataProcessor.java

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jar/org/quartz/ee/servlet/QuartzInitializerListener.java

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  jar/org/quartz/jobs/ee/jms/SendDestinationMessageJob.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-
  jar/org/quartz/jobs/ee/jms/SendTopicMessageJob.java

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  jar/org/quartz/impl/jdbcjobstore/FiredTriggerRecord.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-
  jar/org/quartz/CronTrigger.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-
  jar/org/quartz/impl/jdbcjobstore/DB2v6Delegate.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-
jar/org/quartz/ee/jta/UserTransactionHelper.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/impl/jdbcjobstore/Semaphore.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/utils/DirtyFlagMap.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/utils/PoolObjectConnection.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/utils/PoolObjectConnectionProvider.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/spi/TimeBroker.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/jobs/FileScanJob.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/Calendar.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/spi/InstanceIdGenerator.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/impl/jdbcjobstore/CloudscapeDelegate.java
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* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/impl/jdbcjobstore/JTANonClusteredSemaphore.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/helpers/VersionPrinter.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/jobs/ee/jms/JmsMessageFactory.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/impl/calendar/AnnualCalendar.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/impl/RemoteMBeanScheduler.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/impl/jdbcjobstore/DB2v8Delegate.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/impl/jdbcjobstore/DB2v8Delegate.java
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* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/impl/jdbcjobstore/DB2v8Delegate.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/impl/jdbcjobstore/DB2v8Delegate.java
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* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/impl/jdbcjobstore/DB2v8Delegate.java
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* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/impl/calendar/WeeklyCalendar.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/impl/DirectSchedulerFactory.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/impl/calendar/BaseCalendar.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/impl/StdSchedulerFactory.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/listeners/FilterAndBroadcastTriggerListener.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/listeners/FilterAndBroadcastJobListener.java

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* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/listeners/FilterAndBroadcastTriggerListener.java
* /opt/cola/permits/1147423557_1617011810.9/0/quartz-1-8-6-sources-1-jar/org/quartz/listeners/FilterAndBroadcastJobListener.java
1.2055 libidn 2.0.5-1

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* 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.
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* Added atomicops for Solaris
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* Added atomicops for AIX (POWER)

1.2057 opentracing-noop 0.31.0

1.2058 libxdmcp 1:1.1.2 1.1

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@c Set file name and title for man page.
@setfilename gpl
@settitle GNU General Public License
@c man begin SEEALSO
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@c man begin COPYRIGHT
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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.

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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 (dossier@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@miame.mitia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D. Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied Linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs (detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks (agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port. Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk). Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task). Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port. David Chase, then at Olivetti Research, suggested several improvements. Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC. Jesse Hull and John Ellis supplied the C++ interface code.
Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn’t made it into the released version of the collector, yet.)

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

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

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

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

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

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

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

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

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

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Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to humanity, 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.>
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The hypothetical commands `show w' and `show c' should show the
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You should also get your employer (if you work as a programmer) or your
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program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.

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

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*Version 2.1, February 1999*

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

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

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

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

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

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

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

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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.)

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This code has the following dependencies
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httplib2 - MIT License

1.2064 libaio 0.3.110-5ubuntu0.1
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1.2066 liblog-message-perl 0.8-1

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=head1 SEE ALSO

L<Log::Message::Item>, L<Log::Message::Handlers>, L<Log::Message::Config>

=head1 AUTHOR

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Jos Boumans E<lt>kane@cpan.orgE<gt>.

=head1 Acknowledgements

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=cut

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0.08/lib/Log/Message.pm
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=head1 NAME

Log::Message::Config - Configuration options for Log::Message

=head1 SYNOPSIS

# This module is implicitly used by Log::Message to create a config
# which it uses to log messages.
# For the options you can pass, see the C<Log::Message new()> method.

# Below is a sample of a config file you could use

# comments are denoted by a single '#'
# use a shared stack, or have a private instance?
# if none provided, set to '0',
private = 1

# do not be verbose
verbose = 0

# default tag to set on new items
# if none provided, set to 'NONE'
tag = SOME TAG

# default level to handle items
# if none provided, set to 'log'
level = carp

# extra files to include
# if none provided, no files are auto included
include = mylib.pl
include = ../my/other/lib.pl

# automatically delete items
# when you retrieve them from the stack?
# if none provided, set to '0'
remove = 1

# retrieve errors in chronological order, or not?
# if none provided, set to '1'
chrono = 0

=head1 DESCRIPTION
Log::Message::Config provides a standardized config object for
Log::Message objects.

It can either read options as perl arguments, or as a config file.
See the Log::Message manpage for more information about what arguments
are valid, and see the Synopsis for an example config file you can use

=head1 SEE ALSO

L<Log::Message>, L<Log::Message::Item>, L<Log::Message::Handlers>

=head1 AUTHOR

This module by
Jos Boumans E<lt>kane@cpan.orgE<gt>.

=head1 Acknowledgements

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# End:
# vim: expandtab shiftwidth=4:

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0.08/lib/Log/Message/Config.pm
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=head1 Custom Handlers

If you wish to provide your own handlers, you can simply do the
following:

=over 4
=item *

Create a file that holds a package by the name of C\<Log::Message::Handlers>.

=item *

Create subroutines with the same name as the levels you wish to handle in the Log::Message module (see the Log::Message manpage for explanation on levels).

=item *

Require that file in your program, or add it in your configuration (see the Log::Message::Config manpage for explanation on how to use a config file).

=back

And that is it, the handler will now be available to handle messages for you.

The arguments a handler may receive are those specified by the C\<extra> key, when storing the message. See the Log::Message manpage for details on the arguments.

=head1 SEE ALSO

L\<Log::Message>, L\<Log::Message::Item>, L\<Log::Message::Config>

=head1 AUTHOR

This module by Jos Boumans E\<lt>kane@cpan.orgE\>.

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---
abstract: 'Powerful and flexible message logging mechanism'
author:
- 'Jos Boumans <kane[at]cpan.org>'
build_requires:
  ExtUtils::MakeMaker: 0
configure_requires:
  ExtUtils::MakeMaker: 0
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 6.66, CPAN::Meta::Converter version 2.130880'
license: perl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Log-Message
no_index:
directory:
  - t
  - inc
requires:
  File::Spec: 0
  Locale::Maketext::Simple: 0
  Module::Load: 0
  Params::Check: 0
  Test::More: 0
  if: 0
resources:
  repository: git://github.com/jib/log-message.git
version: 0.08

Found in path(s):
  * /opt/cola/permits/1136857643_1613950633.02/0/liblog-message-perl-0-8-orig-1-tar-gz/Log-Message-0.08/META.yml

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=pod
NAME

Log::Message::Item - Message objects for Log::Message

SYNOPSIS

# Implicitly used by Log::Message to create Log::Message::Item objects

print "this is the message's id: ", $item->id;

print "this is the message stored: ", $item->message;

print "this is when it happened: ", $item->when;

print "the message was tagged: ", $item->tag;

print "this was the severity level: ", $item->level;

$item->remove; # delete the item from the stack it was on

# Besides these methods, you can also call the handlers on
# the object specifically.
# See the Log::Message::Handlers manpage for documentation on what
# handlers are available by default and how to add your own

DESCRIPTION

Log::Message::Item is a class that generates generic Log items.
These items are stored on a Log::Message stack, so see the Log::Message
manpage about details how to retrieve them.

You should probably not create new items by yourself, but use the
storing mechanism provided by Log::Message.

However, the accessors and handlers are of interest if you want to do
fine tuning of how your messages are handled.

The accessors and methods are described below, the handlers are
documented in the Log::Message::Handlers manpage.

Methods and Accessors

remove

Calling remove will remove the object from the stack it was on, so it
will not show up any more in subsequent fetches of messages.
You can still call accessors and handlers on it however, to handle it as you will.

=head2 id

Returns the internal ID of the item. This may be useful for comparing since the ID is incremented each time a new item is created. Therefore, an item with ID 4 must have been logged before an item with ID 9.

=head2 when

Returns the timestamp of when the message was logged

=head2 message

The actual message that was stored

=head2 level

The severity type of this message, as well as the name of the handler that was called upon storing it.

=head2 tag

Returns the identification tag that was put on the message.

=head2 shortmess

Returns the equivalent of a C<Carp::shortmess> for this item. See the C<Carp> manpage for details.

=head2 longmess

Returns the equivalent of a C<Carp::longmess> for this item, which is essentially a stack trace. See the C<Carp> manpage for details.

=head2 parent

Returns a reference to the Log::Message object that stored this item. This is useful if you want to have access to the full stack in a handler.

=head1 SEE ALSO

L<Log::Message>, L<Log::Message::Handlers>, L<Log::Message::Config>
AUTHOR

This module by
Jos Boumans \<kane@cpan.org\>.

Acknowledgements

Thanks to Ann Barcomb for her suggestions.

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This is the README file for Log::Message, a small and powerful generic
message logging module.

Please type "perldoc Log::Message" after installation to see the module
usage information.

Description

Log::Message

This module enables you to do generic message logging throughout
programs and projects. Every message will be logged with
stacktraces, timestamps and so on. You can use built-in handlers
immediately, or after the fact when you inspect the error stack. It is highly configurable and let's you even provide your own handlers for dealing with messages.

#####################################################################

* Installation

Log::Message uses the standard perl module install process:

perl Makefile.PL
make
make test
make install

#####################################################################

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1.2067 openssh-client 1:7.2p2 4ubuntu2.8

1.2068 servlet-api 2.5-20081211

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CONFIDENTIAL means that the application requires that
INTEGRAL or CONFIDENTIAL flag will indicate that the use

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* /opt/cola/permits/1124925884_1611198208.03/0/servlet-api-2-5-20081211-2-jar/javax/servlet/resources/j2ee_web_services_1_1.xsd
* /opt/cola/permits/1124925884_1611198208.03/0/servlet-api-2-5-20081211-2-jar/javax/servlet/resources/xml.xsd
* /opt/cola/permits/1124925884_1611198208.03/0/servlet-api-2-5-20081211-2-jar/javax/servlet/resources/j2ee_1_4.xsd
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Used in: user

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* /opt/cola/permits/1124925884_1611198208.03/0/servlet-api-2-5-20081211-2-jar/javax/servlet/jsp/resources/web-jsptaglibrary_2_0.xsd
* /opt/cola/permits/1124925884_1611198208.03/0/servlet-api-2-5-20081211-2-jar/javax/servlet/jsp/resources/jsp_2_0.xsd
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Manifest-Version: 1.0
Archiver-Version: Plexus Archiver
Created-By: 1.5.0_13 (Sun Microsystems Inc.)
Built-By: janb
Build-Jdk: 1.5.0_13
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0
Bundle-RequiredExecutionEnvironment: J2SE-1.4
Specification-Version: 2.5
Bnd-LastModified: 1229016831353
Export-Package: javax.servlet.http;uses:="javax.servlet";version="2.5",
javax.servlet;version="2.5",javax.servlet.resources;version="2.5",javax.servlet.jsp.resources;version="2.5"
Bundle-Version: 2.5
Ignore-Package: javax.servlet.http, javax.servlet, javax.servlet.resources, javax.servlet.jsp.resources
Bundle-Name: Servlet Specification API
Bundle-Description: Servlet Specification API
Bundle-DocumentURL: http://www.mortbay.com
Originally-Created-By: 1.5.0_13 (Sun Microsystems Inc.)
Bundle-Vendor: Mort Bay Consulting
Bundle-ManifestVersion: 2
Bundle-SymbolicName: org.mortbay.jetty.servlet-api
Tool: Bnd-0.0.238
Implementation-Vendor: JCP

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<xsd:enumeration value="CONFIDENTIAL"/>

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

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That's all there is to it!

DRuntime: Runtime Library for the D Programming Language

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

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1.2073 which-typed-array 1.1.4

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1.2074 is-typedarray 1.0.0

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1.2075 babel-helper-remap-async-to-generator 6.24.1

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1.2078 kafka-sidecar 1.7.26
1.2078.1 Available under license:
No license file was found, but licenses were detected in source scan.

Metadata-Version: 2.0
Name: kafka-sidecar
Version: 1.7.26
Summary: Kafka Sidecar Service (1.7.26)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: kafka-python (==1.3.5)
Requires-Dist: maglev-api (~=1.7.0)
Installation
+ Requires : Maglev app server
  nose

- install the maglev_appserver wheel
- for development one can do python setup.py develop. this creates a symlink and therefore we do not need to
  install the whl for every small change
- to run the test we need to gradle :kafka:test

Found in path(s):
* /opt/cola/permits/1175931069_1624549480.06/0/kafka-sidecar-1.7.26-dist-info-
  zip/inputdir/packages_extracted/targz/1/packages_extracted/1/packages_extracted/1/packages_extracted/29/kafka_sidecar-1.7.26.dist-info/METADATA

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1.2080 fdisk 2.27.1-6ubuntu3.8
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Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2df055067c18f2cf9 bsd.img

---layout--------
Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>
Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

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

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

Create 2nd primary partition
1bebf87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8dff51a88a045db233418dd73fbe bsd.img

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

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

Create default BSD
2e1cee529cb59c9341afe0443f196a1 bsd.img

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

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

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

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

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

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

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

b5c121c2091b2ff26b880551feac7112 bsd.img

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

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

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

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

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

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

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

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

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

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1.2081 java-influxdb-metrics-agent 0.0.6-SNAPSHOT

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1.2082 nettle 3.4.1-1.el8

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1.2083 grub-efi-amd64-bin 2.02 2ubuntu8.21

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1.2084 firstline 1.3.1

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1.2085 classnames 2.2.6

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1.2086 npm-run-path 1.0.0

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1.2087 libcom-err 1.42.13 1ubuntu1.2

1.2087.1 Available under license:

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 @@
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 added to the e2fsprogs debian source package by Theodore Ts'o <ttypo@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 <ttypo@mit.edu>

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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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Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

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

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

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a more recent version that is still in ALPHA testing (i.e., either
using the "WIP" test distributions or one from the hg or git
repository from the development branch, please contact me
(tytso@mit.edu) before you ship. The release schedules for this
package are flexible, if you give me enough lead time.

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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```
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<signature of Ty Coon>, 1 April 1989
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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

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

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

Some other contributors:

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

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.

Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Peterson(jep@mtame.mti.a.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied Linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(age@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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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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

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

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

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

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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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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  }
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  var x = document.getElementById(obj);
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  if( x.style.display!='none' ){
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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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== Contributors ==
* Tatu Saloranta
  * Providing benchmark suite
* Alec Wysoker
  * Performance and memory usage improvement

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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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```plaintext
# COPYING.other

#+TITLE: List of code with permissive licenses as used by GnuPG.
#+STARTUP: showall

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1.2104 es-abstract 1.18.0

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1.2105 libc 2.23 0ubuntu10

1.2105.1 Available under license :
Description: Don't warn for _BSD_SOURCE || _SVID_SOURCE, drop post-vivid
Author: Adam Conrad <adconrad@ubuntu.com>

--- glibc-2.21.orig/include/features.h
+++ glibc-2.21/include/features.h
@@ -145,7 +145,10 @@
     transitioned to use the new macro. */
 #if (defined _BSD_SOURCE || defined _SVID_SOURCE) \
    && !defined _DEFAULT_SOURCE
+-/* Don't #warn about _BSD_SOURCE || _SVID_SOURCE, as it breaks -Werror
+    and we don't have time to check/fix everything before vivid release
 # warning "_BSD_SOURCE and _SVID_SOURCE are deprecated, use _DEFAULT_SOURCE"
+*/
 # undef _DEFAULT_SOURCE
 # define _DEFAULT_SOURCE1
#endif

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Author: Adam Conrad <adconrad@ubuntu.com>

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+++ glibc-2.21/include/features.h
@@ -145,7 +145,10 @@
    transitioned to use the new macro. */
 #if (defined __BSD_SOURCE || defined __SVID_SOURCE) \
    && !defined __DEFAULT_SOURCE
+/* Don't #warn about __BSD_SOURCE || __SVID_SOURCE, as it breaks -Werror
+    and we don't have time to check/fix everything before vivid release
+ # warning "__BSD_SOURCE and __SVID_SOURCE are deprecated, use __DEFAULT_SOURCE"
+*/
 # undef __DEFAULT_SOURCE
 # define __DEFAULT_SOURCE1
#endif

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From: "Linn, John" <jlinn@rsasecurity.com>

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1.2113 javax-ws-rs-api 2.1

1.2114 libpcap 1.8.1 6ubuntu1.18.04.2

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1.2115 elfutils-default-yama-scope 0.180-1.el8

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1.2117 es6-promise 4.2.8

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cpan/CPAN-Meta/lib/CPAN/Meta/History/Meta_1_2.pod
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cpan/Locale-Maketext-Simple/t/po_with_i_default/fr.po
cpan/Locale-Maketext-Simple/t/po_with_i_default/en.po
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cpan/Tie-RefHash/*
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dist/ExtUtils-Install/*
dist/Math-BigInt/*
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dist/I18N-Collate/*
dist/Safe/*
ext/Fcntl/*
ext/FileCache/*
ext/GDBM_File/*
ext/IPC-Open2/*
ext/IPC-Open3/*
ext/NDBM_File/*
ext/ODBM_File/*
ext/Opcode/*
ext/PerlIO-encoding/*
ext/PerlIO-scalar/*
ext/PerlIO-via/*
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.5 of 10 December 2007

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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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2ubuntu0~16.04.1
1.2123 zlib1g-dev 1:1.2.8.dfsg 2ubuntu4.3

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 * Latch used to implement waiting on a DefaultPromise's result.
 *
 * Inspired by: http://gee.cs.oswego.edu/cgi-bin/viewcvs.cgi/jsr166/src/main/java/util/concurrent/locks/AbstractQueuedSynchronizer.java
 * Written by Doug Lea with assistance from members of JCP JSR-166
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 */

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/**
 *
 * A `ClassTag[T]` stores the erased class of a given type `T`, accessible via the `runtimeClass`
 * field. This is particularly useful for instantiating `Array`'s whose element types are unknown
 * at compile time.
 *
 * `ClassTag`s are a weaker special case of `[[scala.reflect.api.TypeTags#TypeTag]]s`, in that they
 * wrap only the runtime class of a given type, whereas a `TypeTag` contains all static type
 * information. That is, `ClassTag`s are constructed from knowing only the top-level class of a
 * type, without necessarily knowing all of its argument types. This runtime information is enough
 * for runtime `Array` creation.
 *
 * For example:
 * {{
 * scala> def mkArray[T : ClassTag](elems: T*) = Array[T](elems: _*)
 * mkArray: [T](elems: T*)(implicit evidence$1: scala.reflect.ClassTag[T])Array[T]
 * *
 * scala> mkArray(42, 13)
 * res0: Array[Int] = Array(42, 13)
 * *
 * scala> mkArray("Japan","Brazil","Germany")
 * res1: Array[String] = Array(Japan, Brazil, Germany)
 * } }}
 *
 * See `[[scala.reflect.api.TypeTags]]` for more examples, or the
1.2134 jmxtrans-output-elastic 267

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Metadata-Version: 2.0
Name: maglev-appctl
Version: 1.6.3
Summary: Maglev Python Application Controller (1.6.3)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: click (==6.6)
Requires-Dist: click-completion (==0.2.1)
Requires-Dist: hprof2flamegraph (==0.0.6)
Requires-Dist: psutil (==4.3.0)
Requires-Dist: pyJwt (==1.4.0)
Requires-Dist: requests (==2.20.1)
Requires-Dist: toml (==0.9.2)

# Installation
+ Requires : Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

# How to test and develop in local mac
- Use pyenv to create a virtual env in /opt/maglev
- u can either call the activate script to activate the virtualenv

Found in path(s):
* /opt/cola/permits/1093468430_1611169566.47/0/maglev-appctl-1-6-3-dist-info-zip/packages/1/maglev_appctl-1.6.3.dist-info/METADATA

1.2140 rimraf 2.6.3

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1.2143 jackson-databind 2.8.9

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1.2144 virtualenv 20.0.20

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1.2146 @babel/traverse 7.3.4

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1.2147 Connect-file 2.2.0

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1.2148 p11-kit 0.23.22-r0

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src/libcharon/plugins/stroke/stroke_control.h
src/libcharon/plugins/stroke/stroke_list.c
src/libcharon/plugins/stroke/stroke_list.h
src/libcharon/plugins/stroke/stroke_plugin.c
src/libcharon/plugins/stroke/stroke_plugin.h
src/libcharon/plugins/stroke/stroke_socket.h
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src/libcharon/plugins/stroke/stroke_counter.h
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src/libcharon/plugins/stroke/stroke_handler.h
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src/libcharon/processing/jobs/send_keepalive_job.h
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src/libimcv/pts/pts_file_meta.c
src/libimcv/pts/pts_file_meta.h
src/libimcv/pts/pts_file_type.h
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Files: src/libstrongswan/plugins/blowfish/blowfish_crypter.h
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csrc/libstrongswan/plugins/openssl/openssl_pkcs7.c
csrc/libstrongswan/plugins/openssl/openssl_pkcs7.h
csrc/libstrongswan/plugins/openssl/openssl_x509.h
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src/libstrongswan/plugins/openssl/openssl_rsa_private_key.c
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src/libstrongswan/plugins/pkcs11/pkcs11_private_key.c
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    src/libstrongswan/plugins/test_vectors/test_vectors/camellia_cbc.c
    src/libstrongswan/plugins/test_vectors/test_vectors/cast.c
    src/libstrongswan/plugins/test_vectors/test_vectors/des.c
    src/libstrongswan/plugins/test_vectors/test_vectors/idea.c
    src/libstrongswan/plugins/test_vectors/test_vectors/md4.c
src/libstrongswan/plugins/test_vectors/test_vectors/null.c
src/libstrongswan/plugins/test_vectors/test_vectors/rc5.c
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src/libstrongswan/plugins/test_vectors/test_vectors/twofish_cbc.c
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Files: src/libstrongswan/plugins/test_vectors/test_vectors/aes_ccm.c
src/libstrongswan/plugins/test_vectors/test_vectors/aes_ctr.c
src/libstrongswan/plugins/test_vectors/test_vectors/aes_gcm.c
src/libstrongswan/plugins/test_vectors/test_vectors/camellia_ctr.c
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src/libstrongswan/tests/suites/test_asn1_parser.c
src/libstrongswan/tests/suites/test_crypter.c
src/libstrongswan/tests/suites/test_hasher.c
src/libstrongswan/tests/suites/test_mgf1.c
src/libstrongswan/tests/suites/test_ntru.c
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src/libstrongswan/tests/suites/test_bio_writer.c
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src/libstrongswan/tests/suites/test_hashtable.c
src/libstrongswan/tests/suites/test_host.c
src/libstrongswan/tests/suites/test_linked_list.c
src/libstrongswan/tests/suites/test_linked_list_enumerator.c
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src/libstrongswan/threading/mutex.h
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1.2162 confluent-camus 3.1.1

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1.2163 @babel/plugin-transform-async-to-generator 7.3.4

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1.2164 connect-basic-auth-extension 2.2.0

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Zstd-jni: JNI bindings to Zstd Library

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1.2165 jackson-core 2.8.5
1.2165.1 Available under license:

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1.2166 pyopenssl 20.0.1

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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 (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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src/base/fthash.c
src/base/md5.c
src/base/md5.h
#
src/bdf/bdf.c
src/bdf/bdf.h
src/bdf/bdfdrivr.c
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src/gzip/infutil.c
src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h
#
src/tools/apinames.c
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============================

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

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

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Mersenne Twister

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

The `_random` module includes code based on a download from
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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.keio.ac.jp/matsumoto/emt.html
email: matumoto@math.keio.ac.jp

Sockets
-------

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

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UUencode and UUdecode functions
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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
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- Arguments more compliant with python standard

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SOFTWARE.
Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2df055067c18f2cf9 bsd.img

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

Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

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

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

Create 2st primary partition
1beb87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8df51a88a045db233418dd73fbd bsd.img

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

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

-------------------
Create default BSD
2e1cee529cb59e9341afe0443f196a1 bsd.img

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

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

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

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

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

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):

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

b5c121c2091b2ff26b880551feac7112 bsd.img

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

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

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

Command (m for help): Disk <removed>2: 10 MiB, 10485760 bytes, 20480 sectors
Geometry: 255 heads, 63 sectors/track, 1 cylinders
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: bsd
<table>
<thead>
<tr>
<th>Slice Start</th>
<th>End Sectors</th>
<th>Size Type</th>
<th>Fsize</th>
<th>Bsize</th>
<th>Cpg</th>
</tr>
</thead>
<tbody>
<tr>
<td>a</td>
<td>4096</td>
<td>2049</td>
<td>1M</td>
<td>4.2BSD</td>
<td>0</td>
</tr>
<tr>
<td>c</td>
<td>4096</td>
<td>20479</td>
<td>8M</td>
<td>unused</td>
<td>0</td>
</tr>
<tr>
<td>d</td>
<td>0</td>
<td>16064</td>
<td>7.9M</td>
<td>unused</td>
<td>0</td>
</tr>
</tbody>
</table>

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):

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

Command (m for help):

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1.2187 libmodulemd 2.9.4-2.el8

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1.2188 zope-interface 4.3.2

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1.2189 filechooserdemo 1.8.0_252

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1.2209 postgres-sidecar 1.6.53

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Metadata-Version: 2.0
Name: postgres-sidecar
Version: 1.6.53
Summary: Postgres Sidecar Service (1.6.53)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: maglev-common (~=1.6.0)
Requires-Dist: maglev-sidecar (~=1.6.0)
Requires-Dist: psycopg2 (==2.7.1)
Requires-Dist: setuptools (==41.2.0)
Requires-Dist: setuptools-scm (==3.4.3)
Requires-Dist: toml (==0.10.0)
Requires-Dist: zipp (==1.0.0)

# Sidecar for managed service
+ Requires: Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

Found in path(s):
* /opt/cola/permits/1148482196_1626418645.15/0/postgres-sidecar-1-6-53-dist-info-
  zip/inputdir/packages_extracted/targz/1/packages_extracted/3/packages_extracted/3/packages_extracted/80/postgres-
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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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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1.2215 libacl 2.2.52-3+b1
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1.2216 assert 1.4.1

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1.2217 websocket-api 9.3.27.v20190418

1.2218 python-twisted-core 17.9.0-2ubuntu0.1

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1.2219 initramfs-tools 0.130ubuntu3.11

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The current ubuntu release can be found at:

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

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1.2220 deep-equal 1.0.1

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* [Bower](http://bower.io): `components-font-awesome`
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**1.2222 zkclient 0.11**

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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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1.2228 @babel/plugin-transform-sticky-regex

7.2.0

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Requires-Dist: maglev-api (~=1.7.0)
Requires-Dist: maglev-appserver (~=1.8.0)

Installation
+ Requires : Maglev app server
  nose

- install the maglev_appserver wheel
- for development one can do python setup.py develop. this creates a symlink and therefore we do not need to
  install the whl for every small change
- to run the test we need to gradle :licenseservice:test

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References
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* AOL
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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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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

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* 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

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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This is libuuid, previously part of e2fsprogs this is now part of util-linux-ng and has thus moved to the util-linux Debian source package.

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

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Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2df055067c18f2cf9 bsd.img

---layout---------
Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>
-------------------
Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

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

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

Create 2st primary partition
1bebf87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8dff51a88a045db233418dd73fbe bsd.img

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

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

Create default BSD
2e1cee529cb59e9341afe0443f196a1 bsd.img

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

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

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

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

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

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

b5c121c2091b2ff26b880551feac7112 bsd.img

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

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

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

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

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

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

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

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

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

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

Command (m for help):
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### 1.2243 map-cache 0.2.2

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1.2244 lsb-base 9.20161125

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1.2245 ruby-test-unit 3.2.5-1

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1.2251 multiarch-support 2.23-0ubuntu3

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1.2252 path-array 1.0.1
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1.2253 ncurses-base 5.9+20140913-1

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1.2254 mime-support 3.59ubuntu1
1.2254.1 Available under license :
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1.2256 metrics-json 4.1.0

1.2257 lib 2.10-0.1
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#
.gitignore
#
builds/unix/pkg.m4
#
docs/FTL.TXT
docs/GPLv2.TXT
#
include/freetype/internal/fhash.h
#
src/base/fhash.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
src/bdf/rules.mk
#
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
src/pcf/pcfutil.h
src/pcf/README
src/pcf/rules.mk
#
src/gzip/adler32.c
src/gzip/infblock.c
src/gzip/infblock.h
src/gzip/infcodes.c
src/gzip/infcodes.h
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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 piostream 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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1.2275 private 0.1.8

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1.2276 forwarded 0.1.0

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1.2277 log4j-over-slf4j 1.7.12

1.2278 libcdevbin 2.23 0ubuntu11.3

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Description: Don't warn for _BSD_SOURCE || _SVID_SOURCE, drop post-vivid
Author: Adam Conrad <adconrad@ubuntu.com>

--- glibc-2.21.orig/include/features.h
+++ glibc-2.21/include/features.h
@@ -145,7 +145,10 @@
  transitioned to use the new macro. */
 #if (defined _BSD_SOURCE || defined _SVID_SOURCE) 
   && !defined _DEFAULT_SOURCE
+/* Don't #warn about _BSD_SOURCE || _SVID_SOURCE, as it breaks -Werror
+ and we don't have time to check/fix everything before vivid release
 # warning "_BSD_SOURCE and _SVID_SOURCE are deprecated, use _DEFAULT_SOURCE"
+*/
 #undef _DEFAULT_SOURCE
 # define _DEFAULT_SOURCE1
#endif

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1.2279 set-value 2.0.0

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1.2280 expand-brackets 2.1.4

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1.2281 read-package-tree 5.1.6

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1.2282 retry 0.10.1

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1.2283 libsepol-devel 2.8-1

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Zstd-jni: JNI bindings to Zstd Library

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1.2285 maglev 1.7.97
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Metadata-Version: 2.0
Name: maglev
Version: 1.7.97
Summary: Maglev Api Service (1.7.97)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: Jinja2 (==2.10)
Requires-Dist: PyJWT (==1.5.1)
Requires-Dist: PyYAML (==3.12)
Requires-Dist: croniter (==0.3.17)
Requires-Dist: cryptography (==2.1.4)
Requires-Dist: influxdb (==3.0.0)
Requires-Dist: ipcalc (==1.99.0)
Requires-Dist: kubernetes (==10.0.0)
Requires-Dist: maglev-api (~1.7.0)
Requires-Dist: maglev-appserver (~1.8.0)
Requires-Dist: maglev-common (~1.7.0)
Requires-Dist: maglev-internal-api (~1.7.0)
Requires-Dist: maglev-manifest-converter (~1.7.0)
# Installation

* Requires : Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

Found in path(s):

* /opt/cola/permits/1176054897_1624591002.34/0/maglev-1-7-97-dist-info-targz/1/packages_extracted/3/packages_extracted/5/maglev-1.7.97.dist-info/METADATA

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## 1.2286 readable-stream 2.0.6

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*/
File::FcntlLock - File locking with L<fcntl(2)>

This text also documents the following sub-packages:

- File::FcntlLock::XS
- File::FcntlLock::Pure
- File::FcntlLock::Inline

SYNOPSIS

use File::FcntlLock;
my $fs = new File::FcntlLock;
$fs->l_type( F_RDLCK )
$fs->l_whence( SEEK_CUR )
$fs->l_start( 100 )
$fs->l_len( 123 )

open my $fh, '<', 'file_name' or die "Can't open file: $!\n"
$fs->lock( $fh, F_SETLK )
or print "Locking failed: " . $fs->error . "\n"
$fs->l_type( F_UNLCK )
$fs->lock( $fh, F_SETLK )
or print "Unlocking failed: " . $fs->error . "\n"

DESCRIPTION

File locking in Perl is usually done using the C<flock> function. Unfortunately, this only allows locks on whole files and is often implemented in terms of the L<flock(2)> system function which has some shortcomings (especially concerning locks on remotely mounted file systems) and slightly different behaviour than L<fcntl(2)>.

Using this module file locking via L<fcntl(2)> can be done (obviously, this restricts the use of the module to systems that have a L<fcntl(2)> system call). Before a file (or parts of a file) can be locked, an object simulating a flock structure, containing information in a binary format to be passed to L<fcntl(2)> for locking requests, must be created and its properties set. Afterwards, by calling the L<lock()> method a lock can be set and removed or it can be determined if and which process currently holds the lock.

File::FcntlLock (or its alias File::FcntlLock::XS) uses a shared library, build during installation, to call the L<fcntl(2)> system function directly. If this is unsuitable there are two alternatives, File::FcntlLock::Pure and File::FcntlLock::Inline. Both call the Perl C<fcntl> function instead and use Perl code to assemble and disassemble the structure. For this at some time the (system-dependent) binary layout of the flock structure must have been determined via a program written in C. The difference between File::FcntlLock::Pure and File::FcntlLock::Inline is that for the former this happened when the package is installed while for the latter it is done each time the package is loaded (e.g., with C<use>). Thus, for File::FcntlLock::Inline to work a C compiler must be available. There are some minor differences in the functionality and the behaviour on passing the method for locking invalid arguments to be described below.

=head2 Creating objects

=item C<new()>  
To create a new object, representing a flock structure, call L<new()>:

$sfs = new File::FcntlLock;

The object has a number of properties, reflecting the members of the flock structure to be passed to L<fcntl(2)> (see below). Per default on object creation the L<l_type> property is set to C<F_RDLCK>, L<l_whence> to C<SEEK_SET>, and both L<l_start> and L<l_len> to 0, i.e., the settings for a read lock on the whole file.

These defaults can be overruled by passing the L<new()> method a set of key-value pairs to initialize the objects properties, e.g. use

$sfs = new File::FcntlLock( l_type   => F_WRLCK,  
                        l_whence => SEEK_SET,  
                        l_start  => 0,  
                        l_len    => 100 );
if you intend to obtain a write lock for the first 100 bytes of a file.

=head2 Object properties

Once the object simulating the flock structure has been created the following methods allow to query and, in most cases, to also modify its properties.

=item C<l_type()>

If called without an argument the method returns the current setting of the lock type, otherwise the lock type is set to the argument's value which must be either C<F_RDLCK>, C<F_WRLCK> or C<F_UNLCK> (for read lock, write lock or unlock).

=item C<l_whence()>

This method sets, when called with an argument, the L<l_whence> property of the flock object, determining if the L<l_start> value is relative to the start of the file, to the current position in the file or to the end of the file. These values are C<SEEK_SET>, C<SEEK_CUR> and C<SEEK_END> (also see the man page for L<lseek(2)>). If called with no argument the current value of the property is returned.

=item C<l_start()>

Queries or sets the start position (offset) of the lock in the file according to the mode selected by the L<l_whence> member. See also the man page for L<lseek(2)>.

=item C<l_len()>

Queries or sets the length of the region (in bytes) in the file to be locked. A value of 0 is interpreted to mean a lock, starting at C<l_start>, to the end of the file. E.g., a lock obtained with L<l_whence> set to C<SEEK_SET> and both L<l_start> and L<l_len> set to 0 locks the complete file.

According to SUSv3 support for negative values for L<l_len> are permitted, resulting in a lock ranging from C<l_start+L_len> up to and including C<l_start-1>. But not all systems support negative values for L<l_len> and will return an error when you try to obtain
such a lock, so please read the \texttt{fcntl(2)} man page of the system carefully for details.

\textbf{=item C\texttt{\_pid()}}

If a call of the \texttt{lock()} method with \texttt{C\_F_GETLK} indicates that another process is holding the lock (in which case the \texttt{L\_l\_type} property will be either \texttt{C\_F\_WRLCK} or \texttt{C\_F\_RDLCK}) a call of the \texttt{L\_l\_pid()} method returns the PID of the process holding the lock. This method does not accept any arguments.

\textbf{=back}

\textbf{=head2 Locking}

After having set up the object representing a flock structure one can then try to obtain a lock, release it or determine the current holder of the lock by invoking the \texttt{lock()} method:

\textbf{=over 4}

\textbf{=item C\texttt{\_lock()}}

This method expects two arguments. The first one is a file handle (or typeglob). \texttt{File::FcntlLock}, and thus \texttt{File::FcntlLock::XS} \texttt{(but neither \texttt{File::FcntlLock::Pure} \texttt{nor \texttt{File::FcntlLock::Inline})}, also accepts a "raw" integer file descriptor. The second argument is a flag indicating the action to be taken. So call it as in

\texttt{$fs->lock( \$fh, F\_SETLK );}

There are three values that can be used as the second argument:

\textbf{=over 4}

\textbf{=item C\texttt{\_F\_SETLK}}

With \texttt{C\_F\_SETLK} the \texttt{lock()} method tries to obtain a lock (when \texttt{L\_l\_type} is set to either \texttt{C\_F\_WRLCK} or \texttt{C\_F\_RDLCK}) or releases it (if \texttt{L\_l\_type} is set to \texttt{C\_F\_UNLCK}). If an attempt is made to obtain a lock but a lock is already being held by some other process the method returns \texttt{C\_undef} and \texttt{C\_errno} is set to \texttt{C\_EACCESS} or \texttt{C\_EAGAIN} (please see the the man page for \texttt{L\_fcntl(2)} for more details).

\textbf{=item C\texttt{\_F\_SETLKW}}

is similar to \texttt{C\_F\_SETLK}, but instead of returning an error if the
lock can't be obtained immediately it puts the calling process to sleep, i.e., it blocks, until the lock is obtained at some later time. If a signal is received while waiting for the lock the method returns C<undef> and C<errno> is set to C<EINTR>.

=item C<F_GETLK>

With C<F_GETLK> the L<lock()> method determines if and which process currently is holding the lock. If there's no other lock the L<l_type> property will be set to C<F_UNLCK>. Otherwise the flock structure object is set to the values that would prevent us from obtaining a lock. There may be several processes that keep us from getting a lock, including some that themselves are blocked waiting to obtain a lock. C<F_GETLK> will only make details of one of these processes visible, and one has no control over which process this is.

=back

On success the L<lock()> method returns the string "0 but true", i.e., a value that is true in boolean but 0 in numeric context. If the method fails (as indicated by an C<undef> return value) you can either immediately evaluate the error number (using $!, $ERRNO or $OS_ERROR) or check for it via the methods discussed below at some later time.

=back

=head2 Error handling

There are minor differences between File::fcntlLock on the one hand and File::fcntlLock::Pure and File::fcntlLock::Inline on the other, due to the first calling the system function L<fcntl(2)> directly while the latter two invoke the Perl C<fcntl> function. Perl's C<fcntl> function already returns a Perl error on some types of invalid arguments. In contrast File::fcntlLock passes them on to the L<fcntl(2)> system call and then returns the systems response to the caller.

There are three methods for obtaining information about the reason the a call of the L<lock()> method failed:

=over 4

=item C<lock_errno()>

Returns the C<errno> error number from the latest call of L<lock()>.
If the last call did not result in an error C<undef> is returned.
Returns a short description of the error that happened during the latest call of L<lock()>.
Please take the messages with a grain of salt, they represent what SUSv3 (IEEE 1003.1-2001) and the Linux, TRUE64, OpenBSD3 and Solaris8 man pages tell what the error numbers mean. There could be differences (and additional error numbers) on other systems. If there was no error the method returns C<undef>.

While the L<error()> method tries to return a string with some direct relevance to the locking operation (i.e., "File or segment already locked by other process(es)" instead of "Permission denied") this method returns the "normal" system error message associated with C<errno>. The method returns C<undef> if there was no error.

The package exports the following constants:

=item F_GETLK F_SETLK F_SETLKW
=item F_RDLCK F_WRLCK F_UNLCK
=item SEEK_SET SEEK_CUR SEEK_END
Thanks to Mark Jason Dominus and Benjamin Goldberg for helpful discussions, code examples and encouragement. Glenn Herteg pointed out several problems and also helped improve the documentation. Julian Moreno Patino helped correcting the documentation and pointed out problems arising on GNU Hurd which seems to have only very rudimentary support for locking with fcntl(2). Niko Tyini and Guillem Jover encouraged and helped with implementing alternatives to an XS-only approach which hopefully will make the module more useful under certain circumstances.

=head1 AUTHOR

Jens Thoms Toerring <jt@toerring.de>

=head1 SEE ALSO

L<perl(1)>, L<fcntl(2)>, L<lseek(2)>.

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1017917869_1591373751.5/0/libfile-fcntllock-perl-0-22-orig-tar-gz/File-FcntlLock-0.22/lib/File/FcntlLock.pod
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 *------------------------------------------------------------------*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1017917869_1591373751.5/0/libfile-fcntllock-perl-0-22-orig-tar-gz/File-FcntlLock-0.22/Pure_build/builder.c
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File::FcntlLock
-------------

File::FcntlLock is a module to do file locking in an object oriented fashion using the fcntl(2) system call. This allows locks on parts of a file as well as on the whole file and overcomes some known problems.
with flock(2), on which Perl's flock() function is based per default.

Since version 0.15 there are three slightly different ways this can be done with using this package. Per default a method is used where a shared library build creation of the package is called from the Perl code to invoke the fcntl(2) system function. This method can also be used by employing the File::FcntlLock::XS module (which basically is an alias for File::FcntlLock). Two further methods instead use calls of the Perl fcntl() function. In both cases at some time a C program must be run to determine the binary layout of the C flock struct used by fcntl() for locking. For the one package, File::FcntlLock::Pure, this is done while making the package. For the other, File::FcntlLock::Inline, this happens each time the package is loaded (e.g. with the 'use' function). Of course, for this to work a C compiler must be installed on the system!

Unfortunately, there seem to be a few 32-bit systems where the off_t type, used in the flock struct, is a 64-bit integer but which use a Perl version that hasn't 64-bit support enabled. On these systems the 'q' format for Perl's pack() and unpack() function isn't available and thus a "pure Perl" approach is thus not possible. On such systems the File::FcntlLock::Pure and File::FcntlLock::Inline modules won't get installed.

PORTABILITY

To use the module the system must support the fcntl() system call which probably will restrict its use to POSIX compliant systems.

INSTALLATION

To install this module type the following:

perl Makefile.PL
make
make test
make install

DEPENDENCIES

The module requires the following other modules:

POSIX, Errno, Carp, Exporter, DynaLoader

To install the module(s) a C compiler must be available and the

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system must support the use of shared libraries (or DLLs). For File::fcntlFlock::Inline the C compiler must also be available when the module is used. The installation of the File::fcntlLock::Pure and File::fcntlLock::Inline modules require that the Perl pack() and unpack() function support the 'q' format if the off_t type on the system is 64-bit wide.

ACKNOWLEDGMENTS

Thanks to Mark Jason Dominus and Benjamin Goldberg for helpful discussions, code examples and encouragement. Glenn Herteg pointed out several problems and also helped improve the documentation. Julian Moreno Patino helped correcting the documentation and pointed out problems arising on GNU Hurd (which seems to have only very rudimentary support for locking with fcntl(2), at least at that time). Niko Tyni and Guillem Jover encouraged and helped with implementing alternatives to a XS-only approach which hopefully will make the module more useful under certain circumstances.

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1.2290 libcbcin 2.23 0ubuntu10

1.2290.1 Available under license:

Description: Don't warn for _BSD_SOURCE || _SVID_SOURCE, drop post-vivid
Author: Adam Conrad <adconrad@ubuntu.com>

--- glibc-2.21.orig/include/features.h
+++ glibc-2.21/include/features.h
@@ -145,7 +145,10 @@
   transitioned to use the new macro. */
 #if (defined _BSD_SOURCE || defined _SVID_SOURCE) \
   & & ! defined _DEFAULT_SOURCE
+/* Don't #warn about _BSD_SOURCE || _SVID_SOURCE, as it breaks -Werror
+ and we don't have time to check/fix everything before vivid release
+ # warning " _BSD_SOURCE and _SVID_SOURCE are deprecated, use _DEFAULT_SOURCE"
+*/
 # undef _DEFAULT_SOURCE
 # define _DEFAULT_SOURCE1
 #endif

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lib/gss_mechs/mech_krb5/et/kdb5_err.c
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lib/krb5/kadm5/kadm_host_srv_names.c
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lib/libgss/g_acquire_cred.c
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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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lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
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lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
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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1.2297 libmount 2.27.1 6ubuntu3.6

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 */

mount/umount for Linux 0.97.3 and later.

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== Notes to developers ==
The final solution will be libmount/mount.c as the mount(8) command implementation. So, let's keep the current mount/* code in maintenance mode and don't try to rewrite it :-) The cal(1) date routines were written from scratch, basically from first principles. The algorithm for calculating the day of week from any Gregorian date was "reverse engineered". This was necessary as most of the documented algorithms have to do with date calculations for other calendars (e.g. julian) and are only accurate when converted to gregorian within a narrow range of dates.

1 Jan 1 is a Saturday because that's what cal says and I couldn't change that even if I was dumb enough to try. From this we can easily calculate the day of week for any date. The algorithm for a zero based day of week:

- calculate the number of days in all prior years (year-1)*365
- add the number of leap years (days?) since year 1 (not including this year as that is covered later)
- add the day number within the year
- this compensates for the non-inclusive leap year calculation
- if the day in question occurs before the gregorian reformation (3 sep 1752 for our purposes), then simply return (value so far - 1 + SATURDAY's value of 6) modulo 7.
- if the day in question occurs during the reformation (3 sep 1752 to 13 sep 1752 inclusive) return THURSDAY. This is my idea of what happened then. It does not matter much as this program never tries to find day of week for any day that is not the first of a month.
- otherwise, after the reformation, use the same formula as the days before with the additional step of subtracting the number of days (11) that were adjusted out of the calendar just before taking the modulo.

It must be noted that the number of leap years calculation is sensitive to the date for which the leap year is being calculated. A year that occurs before the reformation is determined to be a leap year if its modulo of 4 equals zero. But after the reformation, a year is only a leap year if its modulo of 4 equals zero and its modulo of 100 does not. Of course, there is an exception for these century years. If the modulo of 400 equals zero, then the year is a leap year anyway. This is, in fact, what the gregorian reformation was all about (a bit of error in the old algorithm that caused the calendar to be inaccurate.)

Once we have the day in year for the first of the month in question, the rest is trivial.
PERPETUAL DATE CONVERTER FROM GREGORIAN TO POEE CALENDAR

SEASONS
1. Chaos -- Patron Apostle Hung Mung
2. Discord -- Patron Apostle Dr. Van Van Mojo
3. Confusion -- Patron Apostle Sri Syadasti
4. Bureaucracy -- Patron Apostle Zarathud
5. The Aftermath -- Patron Apostle the Elder Malaclypse

DAYS OF THE WEEK*
1. Sweetmorn  *The DAYS OF THE WEEK
2. Boomtime    are named from the five
3. Pungenday   basic elements: SWEET,
4. Prickle-Prickle BOOM, PUNGENT, PRICKLE,
5. Setting Orange and ORANGE.

HOLYDAYS
A. Apostle Holydays B. Seasons Holydays
1. Mungday 1. Chaoflux
2. Mojoday 2. Discoflux
3. Syaday 3. Confuflux
5. Maladay 5. Afflux
Each occurs on the 5th Each occurs on the 50th
day of the Season day of the Season

C. Saint Tib's Day -- occurs once every four years (1 + 4 = 5) and is
inserted between the 59th and 60th days of the Season of Chaos

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SACRED DOCUMENT OF THE FROGS (old Erisian poem):
73 Days hath
Chaos, Discord, Confusion, Bureaucracy, and Aftermath

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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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   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.

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

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.
That's all there is to it!  

Hwclock is a program that runs under Linux and sets and queries the Hardware Clock, which is often called the Real Time Clock, RTC, or CMOS clock.

Sometimes, you need to install hwclock setuid root.  If you want users other than the superuser to be able to display the clock value using the direct ISA I/O method, install it setuid root.  If you have the /dev/rtc interface on your system or are on a non-ISA system, there's probably no need for users to use the direct ISA I/O method, so don't bother.

To install setuid root, do something like this:

```bash
chmod a=rx,u=s /sbin/hwclock
```

In any case, hwclock will not allow you to set anything unless you have the superuser _real_ uid.  (This is restriction is not necessary if you haven't installed setuid root, but it's there for now).

README for the "pg" utility for Linux.

The "pg" utility is the historic System V equivalent to BSD's "more". This is a free clone of it, and it is intended to conform to the SVID 4 as well as the SUSv2 specification of this command.

Contrasting to the System V implementation, this one filters backspace formatting sequences while searching, so you can comfortably search in nroff output like manual pages.

This code uses routines as defined by SUSv2, so a glibc version of 2.1 or higher is required on Linux. A curses implementation (like ncurses) must be present as well.

If large files > 2GB are supported by the kernel and the C library, pg is able to handle them.

Please send comments, bug-reports and especially bug-fixes to <g-r@bigfoot.de>.

Gunnar Ritter
Freiburg i. Br.
Germany
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../Documentation/licenses/COPYING.LGPLv2.1 file.
25/10/95 Peter Orbaek <poe@daimi.aau.dk>

Some notes for using agetty with modems

Using a comms program to initialize the modem

* Use kermit or minicom to initialize the modem to

  - be entirely quiet.
  - don't do local echo in command mode.
  - turn on DCD (carrier detect) only when there is a connection going.
  - enable auto-answer.
  - keep a constant computer/modem bitrate at all times.
  - optionally save this setup as the modem startup configuration.

* Run agetty on the appropriate ttySn port with the arguments:
  * -w to wait for a CR or LF before writing the /etc/issue message
  * computer/modem bitrate
  * the tty name.

Example from my modem setup, an old 2400 bps SupraModem using Hayes standard AT commands.

Initialize modem using kermit with the commands

AT E0 Q1 &D2 &C1 S0=1 &W0

to
  - turn off local echo from modem when in command mode (E0).
  - disable all result codes from modem (Q1).
  - make an on/off transition on the DTR line make the modem
    disconnect and go into command mode (&D2).
  - make the computer/modem DCD line track the modem/modem
    carrier detect signal, i.e. no connection means no
    carrier detect signal to the computer (&C1).
  - enable auto-answer after the first ring (S0=1).
  - store the configuration as the start configuration (&W0).

The commands on your modem to achieve the same setup may vary, especially
the &D2 and &C1 commands may not be entirely standard.

Exit kermit/minicom.
Put the command

/sbin/agetty -w 2400 ttyS1

in the command field of the appropriate line in /etc/inittab to start
agetty on /dev/ttyS1 with a 2400 bps speed between modem and computer.

 Initializing the modem with agetty

Use the agetty -I command line option to specify a modem init string, like
for the same setup as above, use the following agetty command in your
/etc/inittab.

/sbin/agetty -w -I 'ATE0Q1&D2&C1S0=1\015' 2400 ttyS1

The final \015 is an octal coding of the carriage return character
ending the command string.

If you're using simpleinit (part of this package) instead of the SYSV
compatible init (you're most likely using the SYSV one!) then you must
remove the single quotes from the command line above.

Note that the &W0 command was not used here since the modem will be
initialized each time agetty starts.

With a V.34 (28.8 kbps) modem try starting with a command like:

/sbin/agetty -w -I 'ATE0Q1&D2&C1S0=1\015' 115200 ttyS1

Note that agetty supports the higher (>9600 bps) serial speeds
directly, there's no need to use setserial to use the higher speeds.

Notes for util-linux developers

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

AUTOTOOLS:

* "./autogen.sh" generates all files needed to compile and install the code
  (run it after checkout from git)

* "make distclean" removes all unnecessary files, but the code can still be
  recompiled with "/configure; make"

* "make dist-gzip" (or -bzip2) creates a tarball that can be configured and
  compiled without running "./autogen.sh"
PATCHES:

* send your patches to the mailing list or to the upstream maintainer
  (see the AUTHORS and README files)

* diff -u

* don't include generated (autotools) stuff to your patches
  (hint: use git-clean [-X])

* patches are delivered via email only. Downloading them from internet
  servers is a pain.

* one patch per email, with the changelog in the body of the email.

* many small patches are favoured over one big. Break down is done on
  basis of logical functionality; for example #endif mark ups, compiler
  warning and exit codes fixes all should be individual small patches.

* Subject: [PATCH] subsystem: description

* if someone else wrote the patch, they should be credited (and blamed)
  for it. To communicate this, add a line:

     From: John Doe <jdoe@wherever.com>

* add a Signed-off-by line (hint: use "git commit -s")

The sign-off is a simple line at the end of the explanation for the
patch, which certifies that you wrote it or otherwise have the right to
pass it on as an open-source patch. The rules are pretty simple: if you
can certify the below:

By making a contribution to this project, I certify that:

(a) The contribution was created in whole or in part by me and I
    have the right to submit it under the open source license
    indicated in the file; or

(b) The contribution is based upon previous work that, to the best
    of my knowledge, is covered under an appropriate open source
    license and I have the right under that license to submit that
    work with modifications, whether created in whole or in part
    by me, under the same open source license (unless I am
    permitted to submit under a different license), as indicated
    in the file; or
(c) The contribution was provided directly to me by some other person who certified (a), (b) or (c) and I have not modified it.

(d) I understand and agree that this project and the contribution are public and that a record of the contribution (including all personal information I submit with it, including my sign-off) is maintained indefinitely and may be redistributed consistent with this project or the open source license(s) involved.

then you just add a line saying

    Signed-off-by: Random J Developer <random@developer.example.org>

using your real name (sorry, no pseudonyms or anonymous contributions.)

* for more details see:

    The perfect patch
    http://userweb.kernel.org/~akpm/stuff/tpp.txt

CODING STYLE:

* the preferred coding style is based on the linux kernel Documentation/CodingStyle.
  For more details see:

    http://git.kernel.org/?p=linux/kernel/git/torvalds/linux-2.6.git;a=blob_plain;f=Documentation/CodingStyle

SCM (source code management):

    git clone git://git.kernel.org/pub/scm/utils/util-linux/util-linux.git util-linux

* maintenance (stable) branch
  - created for every <major>.<minor> release
  - branch name: stable/v<major>.<minor>

* bugfix branch
  - created for <major>.<minor>.<maint> release for critical/security bugs only
  - this branch is optional
  - branch name: stable/v<major>.<minor>.<maint>

* master branch
  - the status of this branch is: "it works for me". It means useful but not well tested patches.
  - it's source for occasional snapshots
  - for long-term development or invasive changes should be an active
development forked into a separate branch (topic branches) from the
tip of “master”.

* A new tag object is created for:
  - every release, tag name: v<version>

* KNOWN BUGS:
  - tag v2.13.1 is typo. Please, ignore this tag.

libblkid - a library to handle device identification and token extraction

Basic usage is as follows - there are two normal usage patterns:

For cases where a program wants information about multiple devices, or
expects to be doing multiple token searches, the program should
directly initialize cache file via (second parameter is cache
filename, NULL = default):

```
blkid_cache cache = NULL;
if (blkid_get_cache(&cache, NULL) < 0)
    /* error reading the cache file, not really fatal */
```

Note that if no cache file exists, an empty cache struct is still
allocated. Usage of libblkid functions will use the cache to avoid
needless device scans.

The model of the blkid cache is that each device has a number of
attributes that can be associated with it. Currently the attributes
which are supported (and set) by blkid are:

```
TYPE	filesystem type
UUID	filesystem uuid
LABEL	filesystem label
```

How to use libblkid? Normally, you either want to find a device with
a specific NAME=value token, or you want to output token(s) from a
device. To find a device that matches a following attribute, you
simply call the blkid_get_devname() function:

```
if ((devname = blkid_get_devname(cache, attribute_name, value))) {
    /* do something with devname */
    string_free(devname);
}
```

The cache parameter is optional; if it is NULL, then the blkid library
will load the default blkid.tab cache file, and then release the cache
before function call returns. The return value is an allocated string
which holds the resulting device name (if it is found). If the value
is NULL, then attribute_name is parsed as if it were
"<attribute_name>=<value>"; if it cannot be so parsed, then the
original attribute_name is returned in a copied allocated string.
This is a convenience to allow user programs to want to translate user
input, whether it is of the form: "/dev/hda1", "LABEL=root",
"UUID=082D-26E3", and get back a device name that it can use.

Alternatively, of course, the programmer can pass an attribute name of
"LABEL", and value of "root", if that is more convenient.

Another common usage is to retrieve the value of a specific attribute
for a particular device. This can be used to determine the filesystem
type, or label, or uuid for a particular device:

if ((value = blkid_get_tag_value(cache, attribute_name, devname))) {
  /* do something with value */
  string_free(value);
}

If a program needs to call multiple blkid functions, then passing in a
cache value of NULL is not recommended, since the /etc/blkid.tab file
will be repeatedly parsed over and over again, with memory allocated
and deallocated. To initialize the blkid cache, blkid_get_cache()
function is used:

if (blkid_get_cache(&cache, NULL) < 0)
goto errout;

The second parameter of blkid_get_cache (if non-zero) is the alternate
filename of the blkid cache file (where the default is
/etc/blkid.tab). Normally, programs should just pass in NULL.

If you have called blkid_get_cache(), you should call blkid_put_cache()
when you are done using the blkid library functions. This will save the
cache to the blkid.tab file, if you have write access to the file. It
will also free all associated devices and tags:

blkid_put_cache(cache);

Initialize empty image
f1c9645d8c14e4fddc7d8a27368f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2df055067c18f2c9 bsd.img

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

Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

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

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

Create 2st primary partition
1beb87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8dff51a88a045db233418dd73fbe bsd.img

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

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

Create default BSD
2e1cee529cb59e9341afe0443f196a1 bsd.img

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

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

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

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

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

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

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

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

Partition table entries are not in disk order.

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

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

Command (m for help):

<table>
<thead>
<tr>
<th>Device</th>
<th>Type</th>
<th>Filesystem</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>unused</td>
<td>5</td>
<td>4.1BSD</td>
<td>9</td>
</tr>
<tr>
<td>1</td>
<td>swap</td>
<td>6</td>
<td>Eighth Edition</td>
<td>a</td>
</tr>
<tr>
<td>2</td>
<td>Version 6</td>
<td>7</td>
<td>4.2BSD</td>
<td>b</td>
</tr>
<tr>
<td>3</td>
<td>Version 7</td>
<td>8</td>
<td>MS-DOS</td>
<td>c</td>
</tr>
<tr>
<td>4</td>
<td>System V</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Command (m for help):

README for init/getty/login, by poe@daimi.aau.dk

This package contains simpleinit, agetty, and login programs for Linux.
Additional utilities included are: hostname, who, write, wall, users
domainname, hostid, cage and mesg.

Most of this software has been contributed by others, I basically just
ported the things to Linux.

About installation: See the bottom of this file. Check the Makefile!
Be sure you know what you are doing! You may well be able to lock
yourself out from your machine. Especially: The init provided here
(simpleinit) is NOT a SYSV compatible init and the inittab format
is different.

If you are uncertain whether you got the latest version, check out

ftp://ftp.daimi.aau.dk/pub/linux/poe/

Version 1.49 (20-Jun-97)
Small patches for new util-linux distribution and glibc compat.
PAM support in login.c by Erik Troan.

Version 1.48 (6-Jun-97)
Now changes mode and owner of /dev/vcs devices for console logins.
After idea by Andries Brouwer.

Version 1.47 (2-Apr-97)
Got new version of hostid.c and hostid.1 from
Sander van Malssen <svm@kozmix.ow.nl>
Removed premature endentent() call in login.c, simpleinit.c and
agettty.c to be compatible with the changed semantics of gnu libc2.
Fix by Jesse Thilo <Jesse.Thilo@pobox.com>.

Version 1.46 (28-Jan-97)
Several security fixes for login by David Holland (buffer overruns)
<dholand@hcs.harvard.edu>
Fixed write.c, to handle a terminating period correctly.
Re-indented login.c, it was getting too messy.

Version 1.45a (16-Dec-96)
Better support in login for shadow passwords. Compile with
-DSHADOW_PWD if you have <shadow.h>. This is on by default.
By Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>.
Changed the wtmp locking scheme in login.c,agettty.c,agettty.c
and simpleinit.c to flock() /etc/wtmplock instead of the wtmp file directly.
This avoids a denial of service attack.
Some support for the RB-1 Cryptocard token for challenge/response
authentication. This needs a DES library, either Eric Young's
libdes, or the Koontz implementation, see cryptocard.c.
Initial support patch by Randolph Bentson,
<bentson@grieg.seaslug.org>
Changed getpass() to use fputs() instead of fprintf().

Version 1.44 (13-Nov-96):
Made isapty() in checktty.c more resilient to 2.0 systems
that haven't re-MAKEDEV'ed their pty devices.

Version 1.43 (8-Nov-96):
Fix to checktty.c: PTY's are numbered differently after 1.3,
blush! Fix by Gerhard Schneider <gs@ilfb.tuwien.ac.at>

Version 1.42c (6-Nov-96):
Small fix by Gabriel M. Schuyler <schuyler@easiest.com>, to get
better syslog messages (1 LOGIN FAILURE instead of 2 LOGIN FAILURES).
Patch butchered by me.

Version 1.42b (30-Sep-96):
Got patch for checktty.c from Christoph Lameter
<clameter@miriam.fuller.edu> so it doesn't traverse the groupfile
"manually" but uses the getgroups() call, this is more efficient
with large groupfiles and NIS/YP.

Version 1.42a (24-Sep-96):
Added extra syslog() call to login.c to log all good logins.
Patch from Steve Philp.
Version 1.41 (20-Jul-96):
Added security fix to checktty.c by JDS to clear certain lists.
Patches butchered and ANSIfied by me.
Added -n option to agetty to avoid the login prompt.

Version 1.40a (29-Dec-95):
Added -f <issue_file> option to agetty. Patches from Eric Rasmussen
<ear@usfirst.org>, but somewhat butchered by me.

Lots of testing and bugfixes in agetty. Now the modem init stuff
should finally work (for me). Also wrote modem.agetty as an example
on how to use agetty with a modem.
Agetty now also supports baud rates of 38400, 57600, 115200 and
230400 bps.

Version 1.37 (15-Sep-95):
Added -I <initstring> and -w options to agetty.c for those that
use agetty with modems.

Version 1.36 (25-Aug-95):
Enhanced /etc/usertty features with group support. Moved this part
of login.c to checktty.c. One can now define classes of hosts and
tty's and do access checking based on unix-group membership. See
login.1. Also time ranges for logins can be specified, for example
writing the line

23]@joes.pc.at.home

says that during working hours, Joe may rlogin from the host
barracuda, whereas outside working hours and in weekends Joe may
rlogin from his networked PC at home.

login.c: failures was not properly initialized, it now is. Also
made sure ALL failures are really logged to syslog.

Version 1.35 (7-Aug-95):
login.c: Much improved features for the usertty file, allows
access control based on both hostnames/addresses and line. See the
about.usertty file and the man-page.

Fixed agetty so it doesn't fiddle with the ut_id field in the
utmp record, this should prevent growing utmps on systems with
more than 10 login lines. Fix suggested and checked by Alan Wendt
<alan@ezlink.com> in his agetty.1.9.1a.

Agetty now installs as agetty again, not as getty.
Updated man-page for login(1) to document /etc/usertty changes.

This has been tested on Linux 1.2.5 with GCC 2.5.8 and libc 4.5.26.

Version 1.33a (20-Jun-95):
rchatfie@cavern.nmsu.edu ("rc.") suggested that I should remove
the #ifndef linux around the special logging of dial-up
logins. This is now done, so each login via a serial port
generates a separate DIALUP syslog entry.

Version 1.33 (5-Jun-95):
Patch by Ron Sommeling <sommel@sci.kun.nl> and
jlaiho@ichaos.nullnet.fi (Juha Laiho) for agetty.c, used
to return a pointer to an automatic variable in get_logname().
Many patches from or via Rickard Faith <faith@cs.unc.edu>, fixing
man-pages etc, now defaults to using /var/log/wtmp and /var/run/utmp
according to the new FSSTND.

Fix in login.c for CPU eating bug when a remote telnet client dies
while logging in.

This is for Linux 1.2, GCC 2.6.2 or later.

Version 1.32b (12-Mar-95):
Login now sets the tty group to "tty" instead of "other". Depending
on compile-time define USE_TTY_GROUP the tty mode is set to 0620 or
0600 instead of 0622. All as per suggestion by Rik Faith and the
linux-security list.
Write/wall now strips control chars except BEL (\007). Again after
suggestion by Rik Faith.

Version 1.32a
Urgent security patch from Alvaro M. Echevarria incorporated into
login.c. This is really needed on machines running YP until
the libraries are fixed.

Version 1.32
Login now logs the ip-address of the connecting host to utmp as it
should.

Version 1.31b (2-Feb-95):
Daniel Quinlan <quinlan@yggdrasil.com> and Ross Biro
<biro@yggdrasil.com> suggested a patch to login.c that allows for
shell scripts in the shell field of /etc/passwd, so one can now
have (as a line in /etc/passwd):
bye::1000:1000:Outlogger:/bin:echo Bye
Logging in as "bye" with no password simply echoes Bye on the screen.
This has applications for pppd/slip.
Version 1.31a (28-Oct-94):
Scott Telford provided a patch for simpleinit, so executing reboot
from singleuser mode won't partially execute /etc/rc before
the reboot.

Version 1.30 (17-Sep-94):
tobias@server.et-inf.fho-emden.de (Peter Tobias) has made a more
advanced hostname command that understands some options such as
-f for FQDN etc. I'll not duplicate his work. Use his hostname
package if you wish.

svm@kozmix.xs4all.nl (Sander van Malssen) provided more features
for the /etc/issue file in agetty. \U and \u now expand to the
number of current users.

It is now possible to state the value of TERM on the agetty command
line. This was also provided by Sander.

This has been built under Linux 1.1.42 with gcc 2.5.8 and libc 4.5.26.

Version 1.29 (18-Aug-94):
Finally got around to making a real version after the numerous
alpha versions of 1.28. Scott Telford <st@epcc.ed.ac.uk> provided
a patch for write(1) to make it look more like BSD write.

Fixed login so that the .hushlogin feature works even with real
protective users mounted via NFS (ie. where root can't access
the user's .hushlogin file).

Cleaned up the code to make -Wall bearable.

Version 1.28c (21-Jul-94):
Rik Faith reminded me that agetty should use the syslog
facility. It now does.

Version 1.28b (30-May-94):
On suggestion from Jeremy Fitzhardinge <jeremy@suite.sw.oz.au>
I added -- as option delimiter on args passed from agetty to
login. Fixes -froot hole for other login programs. The login
program in this package never had that hole.

Version 1.28a (16-May-94):
bill@goshawk.lanl.gov provided a couple of patches, one fixing
terminal setup in agetty, and reboot is now supposed to be
in /sbin according to FSSTND.

Version 1.27 (10-May-94):
Changed login.c, so all bad login attempts are logged, and added
usertty security feature. See about.usertty for an explanation.
There's no longer a limit of 20 chars in the TERM environment
variable. Suggested by Nicolai Langfeldt <janl@math.uio.no>

Added #ifdef HAVE_QUOTA around quota checks. Enable them if
you have quota stuff in your libraries and kernel.
Also re-enabled set/getpriorit() calls as we now have them,
and have had for a long time...

Now wtmp is locked and unlocked around writes to avoid mangling.
Due to Jaakko Hyv{tti <HYVATTI@cc.helsinki.fi>.

Wrt. agetty: A \o in /etc/issue now inserts the domainname, as
set by domainname(1). Sander van Malssen provided this.
This is being used under Linux 1.1.9

Beefed up the agetty.8 man-page to describe the /etc/issue
options. Added man-pages for wall, cage, who.

Version 1.26 alpha (25-Apr-94):
Added patch from Bill Reynolds <bill@goshawk.lanl.gov> to
simpleinit, so it will drop into single user if /etc/rc
fails, eg. from fsck.

Version 1.25 (9-Feb-94):
Agetty should now work with the Linux 0.99pl15a kernel.
ECHOCTL and ECHOPRT are no longer set in the termios struct.
Also made agetty accept both "tty baudrate" and "baudrate tty"
arguments.

Version 1.24 (23-Jan-94): changes since 1.22
Christian von Roques <roques@juliet.ka.sub.org> provided a patch
that cleans up the handling of the -L option on agetty.
Rik Faith <faith@cs.unc.edu> enhanced several man-pages...

Version 1.23 (11-Dec-93): changes since 1.21
Mitchum DSouza provided the hostid(1) code. It needs libc 4.4.4 or
later and a Linux 0.99.14 kernel or later. It can set and print
the world unique hostid of the machine. This may be used in
connection with commercial software licenses. God forbid!
I added the -v option, and munged the code a bit, so don't blame
Mitch if you don't like it.

I made the "cage" program. Using this as a shell in the passwd
file, enables one to let users log into a chroot'ed environment.
For those that have modem logins and are concerned about security.
Read the source for further info.
"who am i" now works.

The login program works with Yellow Pages (aka NIS) simply by linking with an appropriate library containing a proper version of getpwnam() and friends.

Version 1.21 (30-Oct-93): changes since 1.20
In simpleinit.c: The boottime wtmp record is now written *after* /etc/rc is run, to put a correct timestamp on it.
Daniel Thumim <dthumim@mit.edu> suggested this fix.

The source and Makefile is prepared for optional installation of binaries in /sbin instead of /etc, and logfiles in /usr/adm instead of /etc. See and change the Makefile to suit your preferences.
Rik Faith and Stephen Tweedie inspired this change.

Version 1.20 (30-Jul-93): changes since 1.17:
Versions 1.18 and 1.19 were never made publically available.
Agetty now supports a -L switch that makes it force the CLOCAL flag.
This is useful if you have a local terminal attached with a partly wired serial cable that does not pass on the Carrier Detect signal.

There's a domainname program like the hostname program; contributed by Lars Wirzenius.

Simpleinit will now write a REBOOT record to wtmp on boot up. Time-zone support is now optional in simpleinit. Both of these patches were made by Scott Telford <st@epcc.ed.ac.uk>.

This is for Linux 0.99.11 or later.

Version 1.17 (19-May-93): changes since 1.16:
Login, simpleinit and write should now work with shadow passwords too. See the Makefile. Thanks to Anders Buch who let me have an account on his SLS based Linux box on the Internet, so I could test this. I should also thank jmorriso@rflab.ee.ubc.ca (John Paul Morrison) who sent me the shadow patch to login.c

Version 1.16 (24-Apr-93): changes since 1.15a:
Simpleinit now clears the utmp entry associated with the pid's that it reaps if there is one. A few are still using simpleinit and this was a popular demand. It also appends an entry to wtmp

Version 1.15a (15-Mar-93): changes since 1.13a:
junio@shadow.twinsun.com (Jun Hamano) sent me a one-line fix for occasional mangled issue-output from agetty.
Version 1.13a (2-Mar-93): changes since 1.12a:
With the new LILO (0.9), there are more than one possible arg
to init, so Werner Almesberger <almesber@bernina.ethz.ch>
suggested that a loop over argv[] was made in boot_single() in
simpleinit.c

Version 1.12a (24-Feb-93): changes since 1.11:
This is for Linux 0.99.6 or later. Built with gcc 2.3.3 and libc4.2
jrs@world.std.com (Rick Sladkey) told me that the setenv("TZ",..)
in login.c did more harm than good, so I commented it out.

Version 1.11a (16-Feb-93): changes since 1.9a:
This is for Linux 0.99.5 or later.
Anthony Rumble <arumble@extro.ucc.OZ.AU> made me aware that
the patches for vhangup() from Steven S. Dick didn't quite work,
so I changed it.

Linus Torvalds provided another patch relating to vhangup, since
in newer Linuxen vhangup() doesn't really close all files, so we
can't just open the tty's again.

Version 1.9a (18-Jan-93): changes since 1.8a:
Rick Faith sent me man-pages for most of the untilities in this
package. They are now included.

Steven S. Dick <ssd@nevets.oau.org> sent me a patch for login.c
so DTR won't drop during vhangup() on a modemline.

This is completely untested!! I haven't even had the time to
compile it yet.

Version 1.8a (13-Dec-92): changes since 1.7:
This is for Linux 0.98.6 or later. Compiles with gcc2.2.2d7 and libc4.1

Bettered write/wall after fix from I forget who. Now wall can have
commandline args.

Fixed bug in who.c

Patched simpleinit.c with patch from Ed Carp, so it sets the timezone
from /etc/TZ. Should probably by be /etc/timezone.

Sander Van Malssen <sander@kozmix.hacktic.nl> provided a patch
for getty, so it can understand certain escapecodes in /etc/issue.

I hacked up a very simple substitute for a syslog() call, to try out
the logging. If you have a real syslog() and syslogd then use that!
The special vhangup.c file is out, it's in the official libc by now.
(and even in the libc that I have :-)

who, and write are now deprecated, get the better ones from one of
the GNU packages, shellutils I think.

Some people think that the simple init provided in this package is too
spartan, if you think the same, then get the SYSV compatible init
from Miquel van Smoorenburg <miquels@maestro.htsa.aha.nl>
Simpleinit will probably be deprecated in the future.

Version 1.7: 26-Oct-92 changes since 1.6:
This is for Linux 0.97PL4 or later.

Thanks to Werner Almesberger, init now has support for a
singleuser mode.

Login now supports the -h <hostname> option, used in connection
with TCP/IP. (rlogin/telnet)

Getty writes an entry to /etc/wtmp when started, so last won't report
"still logged in" for tty's that have not been logged into since
the last user of that tty logged out. This patch was inspired by
Mitchum DSouza. To gain the full benefit of this, get the newest
last from the admutils-1.4.tar.Z package or later.

Version 1.6 (29-Aug-92): changes since 1.5:
This is for Linux 0.97P1+ or later.

Login now uses the newly implemented vhangup() sys-call, to prevent
snooping on the tty.
An alternative getpass() function is now provided with login, because
I was told that the old one in libc didn't work with telnet and
or rlogin. I don't have a network or a kernel with TCP/IP so I haven't
tested the new one with telnet, but it is derived from BSD sources
that are supposed to work with networking.

Version 1.5 (12-Aug-92): changes since 1.4
This is for Linux 0.97 or later, and has been built with gcc2.2.2

This release just puts in a few bugfixes in login.c and simpleinit.c

Version 1.4 (4-Jul-92): changes since 1.3:
This is for Linux 0.96b, and has been built and tested with gcc 2.2.2.

Init now handles the SIGINT signal. When init gets a SIGINT it will
call /usr/bin/reboot and thereby gently reboot the machine. This
makes sense because after Linux 0.96B-PL1 the key-combination
Ctrl-Alt-Del may send a SIGINT to init instead of booting the machine the hard way without syncing or anything.

You may want to get the admutils-1.1 package which includes a program that will instruct the kernel to use the "gentle-reboot" procedure.

Version 1.3 (14-Jun-92): changes since 1.2:
This is for Linux 0.96A.

The ioctl(TIOCSWINSZ) has been removed from login.c because it now works :-).

login.c now supports a lastlog database.

Several programs and pieces of source that were included in the 1.2 package has been *removed* as they are incorporated into the new libc. Other omitted parts such as last(1) has been replaced by better versions, and can be found in the admutils package.

Agetty is now called getty and will be placed in /etc.

A few changes has been made to make it possible to compile the stuff with GCC 2.x.

Version 1.2 (28-Feb-92): changes since 1.1:
This is for Linux 0.12.

A couple of problems with simpleinit.c has been solved, thanks to Humberto Zuazaga. So now init groks comments in /etc/inittab, and handles the HUP and TSTP signals properly.

I added two small scripts to the distribution: users and msg.

TERM is now carried through from /etc/inittab all the way to the shell. Console tty's are special-cased, so the termcap entry in /etc/inittab is overridden by the setting given at boot-time. This requires a different patch to the kernel than that distributed with version 1.1

Login no more sends superfluous chars from a password to the shell. It also properly prints a NL after the password.

Agetty didn't set the erase character properly, it does now.

A few extra defines has been added to utmp.h

Several netters helped discover the bugs in 1.1. Thanks to them all.
Version 1.1 (released 19-Feb-92): Changes since 1.0:
A bug in simpleinit.c has been fixed, thanks to Pietro Castelli.
The definition of the ut_line field has been changed to track the USG standard more closely, we now strip "/dev/" off the front.
Thanks to: Douglas E. Quale and Stephen Gallimore.

I have added a getlogin.c library routine, and a write(1) command. I removed the qpl-init stuff. If people want to use it, they should get it from the source. I don't want to hack on it anymore.

A couple of people reported problems with getty having problems with serial terminals. That was correct. I borrowed a null-modem from Tommy Thorn, and now the problems should be fixed. It seems that there is kept a lot of garbage in the serial buffers, flush them and it works like a charm. Getty does an ioctl(0, TCFLSH, 2) for this.

The write.c code now doubles as code for a wall(1) program.

Description of the various files:

login.c The login program. This is a portation of BSD login, first to HP-UX 8.0 by Michael Glad (glad@daimi.aau.dk), and to Linux (initially to 0.12) by me.

who.c A simple who(1) util. to list utmp. Done by me. You may prefer the GNU who util. with more options and features.

hostname.c A hostname(1) command to get and set the hostname. I did this too.

domainname.c Like hostname, only reads out or sets the domainname.

agetty.c The getty program. From comp.sources.misc, by W.Z. Venema. Hacked a bit by me.

simpleinit.c A simple init program, written by me. Uses /etc/inittab

A "kill -HUP" to init makes it re-read /etc/inittab.
A "kill -TSTP" to init makes it stop spawning gettys on the ttys. A second "kill -TSTP" starts it again.
A kill -INT to init makes it attempt a reboot of the machine. this works in connection with kernel support for softboot when Ctrl-Alt-Del is pressed.

Init will start up in singleuser mode if /etc/singleboot
exists at boottime, or if it is given an argument of "single"
via eg. LILO. If /etc/securesingle exists it will ask for the
root password before starting single user.

write.c A write(1) command, used to pass messages between users
at different terminals. This code doubles as code for
a wall(1) command. Make a symlink: /usr/bin/wall ->
/usr/bin/write for this.

msg A tiny shellscript, so you can avoid that other people write
to your shell.

users Another script that uses awk(1) and tr(1) to process the
output from who(1) into a one-liner.
If you don't have awk, but have Perl, this does the same:

who | perl -ane 'print "$F[0] "'; echo ""

pathnames.h:
Header.

param.h
Header, extended with getdtablesize() macro, should go
in /usr/include/sys

Building.
--------
A "make all" should do. At least it does for me.

Installation:
-------------

login should go in /bin, if you don't like this change
pathnames.h and recompile at least agetty.

getty, init Put them in SBINDIR

who, hostname, write, wall, msg, users:
/usr/bin

securetty login needs this in /etc, defines which ttys that root
can login on. This should *never* include ttys{1,2}

iniittab the simpleinit code needs this in /etc. Note that the syntax
of /etc/inittab has little to do with the syntax of a real
SysV inittab. Edit this one for your local setup.

shells The chsh program will use this if it's placed in /etc. It
defines the valid shell-programs. Have one abs. path on each line.

You can also do a "make install" as root, but don't just do it because I say so, check the Makefile first.

"Make install" will install only the new binaries, and not motd, inittab, securetty and issue. To install these configuration files, do a "make Install".

Getty requires a /dev/console to write errors to. I just made it a symlink to /dev/tty1. Because of a bug in the tty driver this errorlogging may cause the shell on tty1 to logout.

Getty will print the contents of /etc/issue if it's present before asking for username. Login will print the contents of /etc/motd after successful login. Login doesn't print /etc/motd, and doesn't check for mail if ~/.hushlogin is present and world readable.

If /etc/nologin is present then login will print its contents and disallow any logins except root.
It might be a good idea to have a "rm -f /etc/nologin" line in one's /etc/rc file.

If /etc/securetty is present it defines which tty's that root can login on.

- Peter (poe@daimi.aau.dk)

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Version 2.1, February 1999

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That's all there is to it!

hwclock and Debian:

When udev is running, hwclock -systz will be called when the RTC clock device is created. When udev is not running, hwclock --hctosys will be called during system startup.

In both cases, hwclock --systohc will be called during system shutdown.

To set the date/time of the system, just use the standard UNIX date facilities (such as date) or any of the advanced timekeeping utilities (ntp, ntpdate, chrony). Other methods of setting the clock (such as hwclock) are likely to cause trouble, do not use them.

Please note that because the shutdown scripts call hwclock --systohc, you cannot set the clock using hwclock only, as your adjustment will be lost on the next reboot. THIS MEANS YOU MUST *NOT* FOLLOW THE PROCEDURES IN THE hwclock(8) MAN PAGE TO SET THE CLOCK DATE/TIME USING A REBOOT UNLESS YOU EDIT THE SHUTDOWN SCRIPTS.

The full story:

A Linux system actually has two clocks:

- The System Clock, kept by the kernel. This is the clock that Linux uses for day-to-day activities, and this is also the clock you set using date.

- The Hardware Clock, also called RTC, which is used as a backup to keep time while the computer is turned off, or in APM suspended state. This is the clock you set using hwclock --set.

(you can get more information about these two clocks in the hwclock(8) man page).

hwclock is used to copy time between these two clocks. For the Debian standard install, the system clock is initialized with the value of the hardware clock during startup, and the value of the system clock is copied back to the hardware clock during system shutdown/reboot.
So, in a Debian default install, you can keep the illusion that there's a single clock. Unless you use a program that modifies the hardware clock directly and does not set the system clock as well, that is.

Issues with hwclock --adjust:

hwclock has a facility to try to correct for systematic drift in the hardware clock, accessed by hwclock --adjust. This facility is *dangerous* because it has a severe drawback: it assumes that no program other than hwclock --systohc will ever be used to change the hardware clock.

This assumption is often false, as many common utilities such as ntp, chrony, as well as your computer's System Setup BIOS program, and any other OS you have in your machine will change the clock.

Also, if hwclock --adjust is used, one must make sure the drift file (/etc/adjtime) is deleted every time the system clock is set to a very different value (even if you're using hwclock itself to do it!), or the drift computation might become invalid and cause the hardware clock to be incorrectly set the next time hwclock --adjust is used.

hwclock currently does not perform any sort of sanity checks in the values it uses to compute the drift file, and will corrupt your clock time by potentially very large amounts if anything goes wrong.

Don't use the hwclock --adjust facility, refer to alternate (and much safer) programs such as ntp or chrony if you need precision timekeeping.

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In order to sanitize e2fsprogs to be DFSG free, the file
draft-leach-uuids-guids-01.txt has been removed. It can be obtained
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available from other sites on the network, if you do a quick web
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Note that debian/rules is set up to include the file on Ubuntu
systems, so for people trying to build e2fsprogs on Ubuntu systems,
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WIP releases the command "/util/gen-tarball ubuntu" will help create
 tar file which is appropriately named to make life easier for
dpkg-buildpackage.) Since Ubuntu doesn't have the DFSG restrictions,
the documentation which has been removed for Debian's DFSG license
purity shouldn't be denied to Ubuntu users.

Theodore Ts'o
October 3, 2006

`fdisk`: the Linux partition table editor
=========================================

`fdisk` is the Linux partition table editor. In this section we
examine this utility and try to describe it thoroughly enough so that
anyone can use it.

* Contents:

* Disks and how they are described.
* Dividing up your disk.
* The `fdisk` command.
* Deleting and adding partitions.
* Active flags and system types.
* Extra commands for experts.
* Warnings for `fdisk` users.

Disks and how they are described
-------------------------------

A typical disk consists physically of one or more circular objects
called "platters", which rotate about a central axis. Devices called
"heads" move to specified places on the disk surface to read or write
information. There is usually one head on each side of every platter,
and all these heads are attached to a comb-like controller arm which
moves all of them at the same time, either closer to the centre of the
disk, or closer to the outer edge.

Suppose the arm is in one position, putting an area of the disk
surface within reach of one or another of the heads. This total area,
everything that is accessible without moving the arm, is called a
"cylinder". (A cylinder is a barrel-shaped cross section of a disk,
consisting of a circular strip from each side of each platter.) The
part of a cylinder that one head can read or write without moving is
called a "track".
Each track is divided into several pie-shaped slices called "sectors", which are the smallest parts of the disk which can be read or written at a time. The sectors on one disk are usually all the same size.

In fact, there are not always two heads to every platter, there are some disks which do not have the same amount of data in every cylinder, and there may be disks which do not have the same amount of data in every sector. These features are usually hidden on PCs by the controller card or the BIOS, which map the physical geometry of a disk onto a logical geometry, which is what is actually used to access the disk.

The numbers which describe the "geometry" of a disk are

1. The number of cylinders it contains.
2. The number of tracks per cylinder, which is the number of heads.
3. The number of sectors per track.
4. The number of bytes per sector.

These numbers vary from disk to disk, but a typical PC disk might have about 1000 cylinders, half a dozen heads, and 15 or 20 sectors per track, with each sector containing 512 bytes or characters; such a disk contains 40 to 60 megabytes of data. A "double density" floppy disk contains 40 cylinders, with 2 heads (2 tracks per cylinder), and with 9 sectors per track; such a disk contains 360 kilobytes, or 360 * 1024 characters. A "high density" 3.5 inch floppy contains 80 cylinders, with 2 heads and 18 sectors per track, or 1.44 megabytes, or 1440 * 1024 characters.

The exact size of a track or cylinder in bytes varies from one disk to another. This `fdisk' for Linux deals mainly with cylinders, since this is the best unit to use when allocating space for partitions. It reports partition sizes in "blocks" of 1024 bytes, or 2 sectors, since `mkswap' and the various `mkfs' programs require this number. A block is the smallest amount of space which can be set aside for a file in the current file systems.

An operating system, such as Linux or DOS or OS/2, may use a disk in any way that it wishes, but if two operating systems share the same disk, they must agree on who owns what, or else one will interfere with the other (that is, by damaging the other's files). A "partition" is a section of a hard disk which is handled as a unit by all operating systems which can access the disk. The standard way to define
partitions (for the moment) is the "partition table", a list of information which is stored in parts of the disk that don't belong to any of the systems using the disk. The beginning of the partition table is stored in the disk's primary boot sector, and the rest is stored in a chain of sectors scattered throughout the disk.

The first sector on the disk is called the "primary boot block" or "primary boot sector" because (1) it comes first, before other, similar sectors; (2) it tells where the other, similar sectors are found, so that it is logically 'prior' to them; and (3) it usually contains code which is executed when the system boots up. This sector contains a table describing at most four partitions. These areas are called "primary partitions".

The partition table in the primary boot sector may also describe at most one "extended partition". This is a large area of the disk, usually containing all the space which is not in any primary partition. Within this space we can set aside other areas which are called "logical partitions", because they look almost exactly like primary partitions. In fact, the main difference between them is that we can boot from primary partitions, while we cannot boot from logical partitions. This happens because the address of a primary partition is in a fixed place, whereas the address of a secondary partition is not, so we require a more complicated process to discover it, one which is too difficult for most primary boot programs.

Dividing up your disk
---------------------

It is a good idea to plan ahead before you start creating partitions on your disk. If you set aside a partition for some purpose, it is not easy to change its size: you must backup all the data from the partition, whether to floppies, to another partition, to another hard disk, or somewhere else; then you must edit the table which describes this partition, so changing its size; then you must reboot and initialise the new partition, formatting it, for example, under DOS, or running `mkfs' under Linux; finally you can copy all the data back. It is possible, if you have several partitions, to copy data back and forth between them while you change their sizes, but this is a bit risky and time consuming. It is better to plan ahead what you will need, since it is hard to change it afterwards.

Many people with large disks and recent versions of DOS have their entire file system on one large partition. They usually ask, `Isn't there any way I can reformat my disk without copying everything off?' There is no way to do it using standard DOS utilities, and there is no truly safe way to do it using commercial software, because, if you make
a mistake, you will lose the entire contents of your disk. If you are going to back up your disk anyway, you might as well copy the data back safely. The Linux FAQ contains references to tools and procedures which will allow you to do this, if you dare.

DOS and Linux both allow you to access several partitions on a single disk; on DOS these are treated as if they were separate disks or drives, and under Linux they are treated as different "devices”.

You can have up to 64 partitions on a single IDE disk, or up to 16 partitions on a single SCSI disk, at least as far as Linux is concerned; in practice you will rarely want so many. The maximum size of a Linux file system on a single partition depends on the type of file system you use. Minix file systems are limited to 64 megabytes. You may have all of your Linux files in a single partition, or you may have two, three, or more Linux file systems. Similarly you may have one or more DOS partitions. If you have several small partitions, you run much less risk of losing all your files if your disk gets corrupted. On the other hand, you may run out of space on a small partition more easily.

Under DOS, you must refer to each partition by a separate drive letter, but all partitions are automatically accessible. Under Linux only the root partition is automatically accessible, but once we mount another partition, it is indistinguishable from the rest of the file system. Disks are usually mounted by a command in one of the system startup files, `/etc/rc', so you need not worry about having to do it yourself whenever you boot the system. But even ordinary users may be allowed to mount removable hard disks and floppy disks.

Linux requires at least one partition, which is the `root' of the file system. You may prefer to have a separate partition for `/usr', which contains most of the executable files, or for `/home', which contains most of your private files. You may also wish to set aside a partition to use for swap space, depending on the amount of memory your PC has. You will certainly need swap space if you have less than 4 MB of RAM and wish to compile anything substantial. You can reserve swap space in a file, but you need a partition big enough to hold it, and this will probably be less efficient than having a partition devoted to swap.

The disk space you need for Linux is discussed in README.prepare.

Are you going to boot Linux from the hard disk, or will you boot from a floppy? Some boot programs place severe restrictions on where the boot partition can be. LILO is more relaxed about this, but does require either the Master Boot Record on your first hard disk, or the boot record on one of the first four partitions on your first hard disk.
If you have an extended partition with logical partitions in it, you can have only three primary partitions containing data.

The `fdisk' command

Every operating system, whether DOS, OS/2, or Linux, should provide its own utility for editing hard disk partition tables. At least four of these utilities have been called `fdisk', for `Fixed DISK setup program', where `fixed' means `not removable'. I believe the first PC program named `fdisk' came from Microsoft in about 1985; before that time disks were too small to divide into separate sections.

Every operating system has its own peculiarities. Normally you should set up a partition for the use of one operating system by using its own `fdisk' program. Do not use the Linux `fdisk' to create partitions for DOS or for any system other than Linux; otherwise you may have problems.

An `fdisk' program performs two functions: it reports how the disk is configured, and it changes that configuration by adding or deleting partitions. Most `fdisk' programs can also change other information in partition tables.

This `fdisk' for Linux operates on one hard disk at a time. If you give the command

    fdisk

it reports on, and is able to change, `/dev/hda', the first hard disk. (If you have no `/dev/hda', `fdisk' uses `/dev/sda' as the default device.) To look at or change the second hard disk, `/dev/hdb', give the command

    fdisk /dev/hdb

To look at or change the first SCSI disk, give the command

    fdisk /dev/sda

There are some special forms of the `fdisk' command. One of them, suggested by Jim Winstead, simply lists all partitions on all available disks:

    fdisk -l  (where `l' is a letter, not the digit `1')
The option `-v' is provided to list the current version of the
`fdisk' command. Finally, there is an option `-s' which is not really
intended for interactive use. It causes fdisk to print the size of a
partition in blocks of 1024 bytes as follows:

    fdisk -s /dev/hda7
    39934

Because this is intended to be used by `mkfs' and `mkswap' programs,
it does not return the size of extended partitions or of partitions
whose system type code is less than 10 (hexadecimal a). If you start
`fdisk' without using one of these special options, it responds by
asking for a command:

    Command (m for help): _

Each `fdisk' command consists of a single letter, which must be
followed by <RETURN> before it is obeyed. Upper and lower case are not
distinguished. Anything you type after the first character is ignored.

Give the command `m', and you should see this menu:

    Command action
    a  toggle a bootable flag
    d  delete a partition
    l  list known partition types
    m  print this menu
    n  add a new partition
    p  print the partition table
    q  quit without saving changes
    t  change a partition's system id
    u  change display/entry units
    v  verify the partition table
    w  write table to disk and exit
    x  extra functionality (experts only)

    Command (m for help): _

The simplest commands are Print, Verify, and Quit. On a small disk, the
Print command might produce a display like this one:

    Disk /dev/hda: 5 heads, 17 sectors, 977 cylinders
    Units = cylinders of 85 * 512 bytes

    Device Boot Begin Start   End   Blocks   Id  System
    /dev/hda1 * 1   1    236    10021+ 1  DOS 12-bit FAT
    /dev/hda2   837   837   977    5992+  5  Extended
    /dev/hda3  * 237   237    836    25500  83  Linux native
    /dev/hda5   837   837   936    4249+ 82  Linux swap
    /dev/hda6   942   942   977    1522+  1  DOS 12-bit FAT
There are 5 partitions reported; `/dev/hda4` does not appear because it is not allocated. Partitions 1 and 3 are flagged as bootable. The size of each partition is reported in 1 kilobyte blocks; hence the primary Linux partition, partition 3, is 25 1/2 megabytes in size. The `+` after three of the sizes warns that these partitions contain an odd number of sectors: Linux normally allocates filesystem in 1 kilobyte blocks, so the extra sector in partition 5 is wasted. Id numbers are reported in hexadecimal and explained in English.

The display/entry units may be either cylinders or sectors. The default is cylinders, but changing the units makes the print command display the following table for the system reported above:

```
Disk /dev/hda: 5 heads, 17 sectors, 977 cylinders
Units = sectors of 1 * 512 bytes

  Device  Boot  Start  End    Blocks   Id  System
/dev/hda1   *   1   17  20059 10021+  1  DOS 12-bit FAT
/dev/hda2    71060 71060  83044   5992+  5  Extended
/dev/hda3   *  20060 20060  71059  25500   83  Linux native
/dev/hda5    71061 71061  79559   4249+  82  Linux swap
/dev/hda6    79985 80001  83044   1522+  1  DOS 12-bit FAT
```

The start of data in both DOS partitions is 16 sectors after the beginning of the partition: this is one reason why you should use DOS's own `FDISK` to create DOS partitions. Changing the units to sectors also affects the way in which the new partition command asks for the beginning and end of a new partition.

*Warning*: it is dangerous to create a new partition when the display/entry units are sectors.

The Verify command is useful because

1. It warns you if anything is wrong. *Always* do a Verify command to check your work before writing any changes to disk.

2. It reports how many unallocated sectors there are on the disk.

The Quit command is also useful. `fdisk` does not actually change any data on your disk unless you give a Write command. If you are unhappy about any changes you may have made, give the Quit command, and your disk will remain as it was before you ran `fdisk`. You can also interrupt `fdisk` with `CTRL-C`.

Deleting and adding partitions
Deleting a partition is simple. Give the Delete command by typing ‘d’. ‘fdisk’ asks:

        Partition number (1-6): _

Once you get this far, you must either delete a partition or interrupt the program with ‘CTRL-C’ (or whatever your current interrupt character is). Note:

1. You may delete a nonexistent partition. You will get a warning message.

2. You may delete an extended partition. This has the side effect of deleting all partitions greater than or equal to 5.

3. You may delete a logical partition. In that case, all partitions above it are renumbered at once. For example, if you delete partition 5, then partition 6 becomes known as partition 5, and partition 7 as partition 6.

Adding a partition is just a bit more complicated. Give the New command by typing ‘n’. ‘fdisk’ allows you to

1. Create a primary partition, if there is a free slot in the primary partition table.

2. Create an extended partition if there is a free slot in the primary partition table, and if there is no extended partition.

3. Create a logical partition if an extended partition exists.

If more than one of these actions is possible, you will be asked to select Primary, Extended, or Logical, depending on what is currently permissible. Before you create a primary or an extended partition, you are asked what slot it is to have in the table (1-4).

You may not add a primary or an extended partition if the selected slot in the primary partition table is already occupied: in that case you simply return to the main menu. You are not allowed to add a new primary partition unless there are sectors available outside the extended partition. You are not allowed to add a new logical partition unless there are sectors available inside the extended partition.

If space is available, you are prompted for the first cylinder:

        First cylinder ([237]-977): _
The limits are the lowest and the highest cylinders in which sectors are available in the appropriate part of the disk. The square-bracketed number is what you'll get if you simply press enter. Not all numbers in this range are necessarily available: they may fall inside an existing partition. If you select a cylinder which is already in use, you are told off and prompted again for the first cylinder. After selecting the first cylinder, you are prompted again:

Last cylinder or +size or +sizeM or +sizeK (237-[836]): __

The limits are the cylinder you have chosen as the first cylinder, and the highest cylinder which contains a legitimate upper boundary for the new partition. The square-bracketed number is what you'll get if you simply press enter. In other words, all numbers in the given range are legitimate, unlike those in the first range of cylinders. You may also specify the size of a partition in megabytes, kilobytes, or in the current units (cylinders or sectors). A plus sign `+' indicates that your answer is a size rather than a boundary, and the suffix `m' or `k' (upper or lower case) indicates that the size is not given in units of sectors or cylinders, but in megabytes or kilobytes respectively. Thus possible answers to the last cylinder request above are

700
Make cylinder 700 the last cylinder in the partition.

+300
Make cylinder 237 + 300 = 537 the last cylinder in the partition.

+15m
Make the partition at least 15 megabytes in size.

+12500k
Make the partition at least 12,500 kilobytes in size.

If you specify a size which is too large or an end which is out of range, fdisk complains and repeats the prompt.

Adding or deleting partitions has no effect unless you subsequently give the Write command. Please remember to give the Verify command first, just before giving the Write command: this is a safety precaution. After giving the Write command, you will see this message:

The partition table has been altered!
Calling ioctl() to re-read partition table.
Syncing disks.

If there are no further messages, the kernel has successfully copied
the information from the partition table into its own internal table. But sometimes you will see a message like this one:

    Re-read table failed with error 16: Device or resource busy.
    Reboot your system to ensure the partition table is updated.

In this case, depending on what you have changed in the partition table, it may be dangerous to continue working without rebooting, since you may lose or corrupt your data.

Here are some important things to note:

1. Before you reboot, you *may* run `fdisk' again, either to manage another disk, or to make additional changes to the same disk, or just to check that the changes have been made as you expected. This is true even after you receive the message warning you to reboot.

2. It is not a good idea to run any of the programs `mkfs', `mkswap', `mount', or `swapon' if you have received the warning message but have not rebooted. In this case it is dangerous to run any program, but these in particular may cause serious damage to the data on your disk, including the partition tables themselves.

Active flags and system types
----------------------------

The active flag is a bit in the partition table entry which marks a partition as bootable. This is important to some primary boot sector programs, which will not boot from an unflagged partition. Other such programs do not allow more than one partition to be flagged. Some, like LILO, ignore the flags completely. I prefer to flag all bootable partitions as active so that they stand out on the menu which `fdisk' lists. Fdisk prints a star after the name of a partition's device file if its active flag is set.

The Active command changes, or toggles, a partition's active flag. Give the Active command, and select a partition by number. If it was marked inactive, it will be flagged as active; if it was flagged as active, it will be marked inactive. You may set the active flag on an extended or logical partition, though the meaning of such a flag is by no means clear. This can be used to install LILO as a secondary boot loader to boot a Linux which lives on a second hard disk.

The Type command changes the ID number which describes what type a partition is. `fdisk' currently recognises 30 system IDs, in the sense
that it prints a string for each of them, but it allows you to change any system ID to any other, with the following exceptions: you may not change any partition to or from the type Extended, and you may not change a partition whose type is Empty (0) to any other type. You may, however, change the type of any data partition to 0, which is equivalent to deleting it.

The new system ID or type code is a hexadecimal number. There are two ways of listing the numbers which `fdisk' recognises: use the List command, which prints the list, or use the Type command, which, when it prompts you for the code, says

Hex code (type L to list codes): _

where the upper case `L' is used for clarity. The codes printed are:

Some of these numbers are a trifle uncertain. By default `fdisk' uses a type of 83. It used to use 81, the type code used by the MINIX `fdisk'. It seemed prudent to change the default since (a) many Linux `minix' file systems are no longer compatible with MINIX, (b) the ext2 file system, a native Linux file system, is fairly stable, as is the Xia file system, and (c) the number 81 causes problems with DR-DOS. Linux does not usually care what values you use for type codes, but other systems, in particular DOS, OS/2, and DR-DOS, may.

The value of 82 for Linux swap partitions is my own invention, and is intended to give some recognisable distinction to the partitions when the values are displayed in hexadecimal.

New active flags and new system type codes are not written to the disk until you exit from `fdisk' with the Write command, as described above, in the section on deleting and adding partitions.

Extra commands for experts
--------------------------

The eXtra command `x' puts `fdisk' into `expert' mode, in which a slightly different set of commands is available. The Active, Delete, List, New, Type, Verify, and `eXpert' commands are not available in expert mode. The commands Write and Quit are available as in ordinary mode, the Print command is available, but produces output in a slightly different format, and of course the Menu command prints the expert menu. There are several new commands.

1. The Return command brings you back to the main menu.

2. The Extended command prints the list of table entries which point to other tables. Ordinary users do not need this information.
The data is shown as it is stored. The same format is used for the expert Print command.

3. The dangerous Begin command allows you to move the start of data in a partition away from its beginning. Other systems create partitions with this format, and it is sometimes useful to be able to reproduce it.

4. The slightly dangerous Cylinders command allows you to change the available number of cylinders. For SCSI disk owners, note that we require not the actual number of physical cylinders, but the number of logical cylinders used by DOS and other operating systems.

5. The extremely dangerous Heads and Sectors commands allow you to change the number of heads and sectors. It should not be necessary to use these commands unless you have a SCSI disk, whose geometry Linux is not always able to determine. SCSI disk owners note that we need not the actual number of heads or of sectors per track, but the number believed to exist by DOS and other operating systems. *Warning*: If you set either of these numbers to a bad value, you may lose all data on your disk.

Always, after giving any of the commands Begin, Cylinder, Heads, or Sectors, you should Return to the main menu and give the Verify command.

Warnings for `fdisk' users

In general, you should not use this `fdisk' program to create partitions for other operating systems, only for Linux. Nor should you use `fdisk' commands from other operating systems to create partitions for Linux.

DR-DOS 5.0 and 6.0 are reported to have difficulties with partition ID codes of 80 or more. The Linux `fdisk' used to set the system type of new partitions to hexadecimal 81. DR-DOS seems to confuse this with hexadecimal 1, a DOS code. The values 82 for swap and 83 for file systems should not cause problems with DR-DOS. If they do, you may use the `fdisk' command `t' to change the system code of any Linux partitions to some number less than hexadecimal 80; I suggest 42 and 43 for the moment.

Partitioning a hard disk may destroy data which is on that disk if you are not careful. Go slowly, write down a description of the partition tables before you changed them, and always verify before you write.
Most operating systems and utilities expect that all partitions begin and end at cylinder boundaries. This version of `fdisk' does so by default, but you can use it to create partitions which begin or end anywhere. This does not normally affect Linux, but it is very dangerous, as other operating systems (including DOS) may try to `correct' the partition boundaries.

It is dangerous to create a new partition when the display/entry units are sectors.

The Verify command warns you if anything is wrong. *Always* give a Verify command before writing any changes to disk.

If you set the disk geometry (tracks per cylinder, or sectors per track) to an incorrect value, you may lose all data on your disk.

Do create BSD/SUN and/or IRIX/SGI disk labels only when you are sure that you want them. Both features are intended to allow you READING those labels and prevent unintentional formatting of these disks.

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That's all there is to it!
This package contains a reimplementation of getopt(1).

PREFACE

Getopt(1) is a program to help shell scripts parse command-line parameters. It is for example included in the util-linux distribution (upto version 2.7.1). But, there are some problems with that getopt(1) implementation,
as listed in the 'BUGS' section of its man-page:

```plaintext
BUGS
  Whatever getopt(3) has.
  Arguments containing white space or imbedded shell metacharacters generally will not survive intact; this looks easy to fix but isn't.
  The error message for an invalid option is identified as coming from getopt rather than from the shell procedure containing the invocation of getopt; this again is hard to fix.
  The precise best way to use the set command to set the arguments without disrupting the value(s) of shell options varies from one shell version to another.
```

This implementation of getopt(1) is written to solve some of these problems, while still staying (for all practical purposes) completely compatible with other getopt(1) implementations.

INSTALLATION

Installation should be very easy. Just type 'make' to compile the sources. It should compile cleanly, without any warnings, but even if it does not you probably don't have to worry. You must use GNU Make and gcc, or you will have to edit the Makefile.

Type 'make install' to install the binary and the manual page. It installs by default in /usr/local/bin and /usr/local/man/man1, to install in /usr/bin and /usr/man/man1 try 'make install prefix=/usr'.

The example files can be installed in /usr/local/lib/getopt by calling 'make install_doc'.

If you do not trust the getopt(3) in your libc, or if you do not use a libc with the GNU getopt(3) routines, you can use the gnu sources as provided in the gnu directory. Try 'make LIBCGETOPT=0'. Ignore any compile warnings.

You can check whether the new implementation of getopt is found first in your path by calling 'bash test.bash'.

HIGHLIGHTS

It can do anything that the GNU getopt(3) routines can do.

It can cope with spaces and shell metacharacters within arguments.
It can parse long parameters.

It can shuffle parameters, so you can mix options and other parameters on the command-line.

It can be easily identified as an enhanced getopt(1) from within shell scripts.

It can report parse errors as coming from the shell script.

It is fully compatible with other getopt(1) implementations.

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Security hole in `script'
-------------------------

The BSD `script' utility included in the `bsdutils' package is not installed setuid root, and was not written to be. Sometimes the tty `script' allocates is already owned by the appropriate user, in which case there will be no problem. In other cases, `script' will not be able to set the ownership or mode of the pty/tty pair it allocates, and so it cannot prevent other processes reading or writing to the tty.

The result of this is a security hole: during such a `script' session, other users can read keystrokes from your tty, or write to your terminal, without any warning or explicit authorisation. This means that any password(s) or other sensitive data you enter during such a `script' session are not secure against snooping, even if they are (properly) not echoed to the screen.

To protect against this, `script' tries to detect whether the tty allocated for it by the C library's openpty() function is secure.
against snooping. If it detects that there is a problem, `script' issues a warning. If you see this warning, you should not enter any sensitive data during the script session, and you should not trust the output displayed, or that recorded in the `typescript' file, to be free from tampering.

This bug is due to a long-standing design flaw in UNIX, and is to be cured shortly by the introduction of the UNIX98-style pty system supported by GLIBC 2.1 and Linux 2.2. The UNIX98-style pty system makes use of kernel support to create slave devices on the fly, with the correct ownership and permissions already in place. This allows unprivileged user programs to allocate pty/tty pairs securely, and eliminates the race conditions currently present in pty allocation.

When `script' is used on a system with UNIX98-style pty support in the kernel and in libc, `script' will detect that its tty is secure, and will not display the warning.

Charles Briscoe-Smith <cpbs@debian.org>  Wed, 9 Dec 1998 13:32:49 +0000
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Found in path(s):
* /opt/cola/permits/1110783928_1606854170.13/0/kjd-idna-v2-9-0-g1233a73-1-tar-gz/kjd-idna-8a6016e/LICENSE.rst

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```python
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.
```

```python
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)
```

---

Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 23335
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',
        '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/cola/permits/1110783928_1606854170.13/0/kjd-idna-v2-9-0-g1233a73-1-tar-gz/kjd-idna-8a6016e/setup.py

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

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

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Allbery, Russ
Anderson, Jamie
Andrew, Nick
Andric, Dimitry
Barron, Danny
Bates, Tom
Behan, Zdenk
Bellis, Ray
Benali, Elias
Beverly, Jamie
Boardman, Spider
Bostley, P.J.
Bowes, Keith
Boyce, Keith Garry
Brantley, Michael
Braun, Rob
Bezina, Pavel
Brooks, Pietie
Brown, Jerry
Burr, Michael E
Burton, Ross
Bussjaeger, Andreas
Calvin, Gary
Campbell, Aaron
Chazelas, Stephane
ek, Vitezslav
Coleman, Chris
Corzine, Deven T.
Cusack, Frank
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Dill, David
Earickson, Jeff
Eckhardt, Drew
Edgington, Ben
Esipovich, Marc
Espie, Marc
Faigon, Ariel
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Fobes, Steve
Fry singer, Mike
G., Daniel Richard
Gailly, Jean-loup
Gelman, Stephen
Gerraty, Simon J.
Graber, Stephane
Guillory, B.
Hayman, Randy M.
Henke, Joachim
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Hieb, Dave
Holloway, Nick
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Hunter, Michael T.
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Kranenburg, Paul
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Larsen, Case
Levin, Dmitry V.
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Lobbes, Phillip E.
McIntyre, Jason
MacKenzie, David J.
McLaughlin, Tom
Makey, Jeff
Marchionna, Michael D.
Markham, Paul
Martinian, Emin
Meskes, Michael
Michael, David
Miller, Todd C.
Minier, Loc
Moffat, Darren
Moldung, Jan Thomas
Morris, Charles
Mueller, Andreas
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Nikitser, Peter A.
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Peschel, Aaron
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Rossum, Guido van
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Wagner, Klaus
Walsh, Dan
Warburton, John
Webb, Kirk
Wetzel, Timm
Wieringen, Marco van
Wilk, Jakub
Winiger, Gary
Wood, David
Zacarias, Gustavo
Zolnowsky, John

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

Blittermann, Mario
Bogusz, Jakub
Casagrande, Milo
Castro, Felipe
Cho, Seong-ho
Chornoivan, Yuri
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Ferreira, Rafael
Garca-Fontes, Walter
Gezer, Volkan
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1.2304 minimist 0.0.8

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1.2305 default-libmysqlclient-dev 1.0.5

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1.2306 libmodule-build-perl 0.421000-2+deb8u1
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   FULLTEXT

   use strict;
   use lib 't/lib';
   use MBTest;
   use DistGen;

   plan 'no_plan';

   # Ensure any Module::Build modules are loaded from correct directory
   blib_load('Module::Build');

   #-----------------------------#
   # Create test distribution
   #-----------------------------#

   {
      my $dist = DistGen->new(
         name => 'Simple::Name',
         version => '0.01',
         license => 'perl',
      );

      $dist->regen;
      $dist->chdir_in;

      my $mb = $dist->new_from_context();
      isa_ok( $mb, "Module::Build" );
      is( $mb->license, 'perl',
         "license 'perl' is valid"
      );

      my $meta = $mb->get_metadata( fatal => 0 );
is_deeply( $meta->{license} => [ 'perl_5' ], "META license will be 'perl'" );
is_deeply( $meta->{resources}{license}, [ "http://dev.perl.org/licenses/" ],
    "META license URL is correct"
);

{
    my $dist = DistGen->new( 
        name => 'Simple::Name',
        version => '0.01',
        license => 'VaporWare'
    );

    $dist->regen;
    $dist->chdir_in;

    my $mb = $dist->new_from_context();
    isa_ok( $mb, "Module::Build" );
    is( $mb->license, 'VaporWare',
        "license 'VaporWare' is valid"
    );

    my $meta = $mb->get_metadata( fatal => 0 );

    is_deeply( $meta->{license} => [ 'unrestricted' ], "META license will be 'unrestricted'" );
is_deeply( $meta->{resources}{license}, [ "http://example.com/vaporware/" ],
    "META license URL is correct"
);

}

# Test with alpha number
# vim:ts=2:sw=2:et:sta:sts=2

1.2307 ajv-errors 1.0.0
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1.2309 glob 5.0.15
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1.2310 libnfnetlink 1.0.1-3+b1

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1.2311 libmpx2 6.3.0-18+deb9u1

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

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

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

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

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

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

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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.

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

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

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

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

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

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

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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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

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@item Definitions.

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

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@enumerate a
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DRuntime: Runtime Library for the D Programming Language

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

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<td>lib/interception/mach_override</td>
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1.2314 twirl-api 1.1.1

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1.2315 readable-stream 2.3.6

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1.2319 string_decoder 1.1.1

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1.2321 vega-lib 4.3.0

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1.2322 autotools-dev 20180224.1

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1.2323 python-minimal 2.7.15~rc1-1

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This package was put together by Klee Dienes <klee@debian.org> from sources from ftp.python.org:/pub/python, based on the Debianization by the previous maintainers Bernd S. Brentrup <bsb@uni-muenster.de> and Bruce Perens.

Current maintainer is Matthias Klose <doko@debian.org> until the final 2.3 version is released.

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

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

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of
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dh_python2, pycompile, pyclean and debpython module:
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1.2324 reporter-config-base 3.0.3

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1.2325.1 Available under license:

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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.

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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/cache/RemovalListener.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/hash/Hasher.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collect/RegularContiguousSet.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/util/concurrent/ListeningScheduledExecutorService.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/hash/AbstractStreamingHasher.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/TreeRangeSet.java
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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/base/PairwiseEquivalence.java
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jar/com/google/common/hash/AbstractHashFunction.java
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jar/com/google/common/primitives/ImmutableLongArray.java
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jar/com/google/common/primitives/ImmutableIntArray.java
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 */
/**
 * Holder for web specializations of methods of { @code Doubles}. Intended to be empty for regular
 * version.
 */

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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/AbstractSequentialIterator.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/ForwardingListMultimap.java
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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/RowSortedTable.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/SortedMapDifference.java

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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/Synchronized.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/ExplicitOrdering.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/ForwardingIterator.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collect/LexicographicalOrdering.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collect/ConcurrentHashMultiset.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collect/BitMap.java
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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collect/AbstractMapBasedMultimap.java
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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1.jar/com/google/common/hash/Java8Compatibility.java
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 */
/**
 * Holder for web specializations of methods of [@code Shorts]. Intended to be empty for regular
 * version.
 */

Found in path(s):
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
  jar/com/google/common/primitives/ShortsMethodsForWeb.java
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*/  
/**  
**  
* Holder for extra methods of {@code Objects} only in web. Intended to be empty for regular  
* version.  
*/

Found in path(s):
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-  
  jar/com/google/common/base/ExtraObjectsMethodsForWeb.java  

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  jar/com/google/common/base/Verify.java  
  /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-  
  jar/com/google/common/io/CharSequenceReader.java  
  /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-  
  jar/com/google/common/collect/FilteredMultimapValues.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/eventbus/SubscriberExceptionContext.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/reflect/TypeVisitor.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/util/concurrent/WrappingScheduledExecutorService.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/hash/HashingInputStream.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/util/concurrent/Runnables.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/eventbus/SubscriberExceptionHandler.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/util/concurrent/AbstractTable.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/thirdparty/publicsuffix/PublicSuffixType.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/base/VerifyException.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/base/Utf8.java

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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/graph/MapRetrievalCache.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/graph/AbstractValueGraph.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/graph/DirectedGraphConnections.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/graph/
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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/hash/ImmutableSupplier.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/util/concurrent/ExecutionSequencer.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collect/JdkBackedImmutableSet.java

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/*
 * This method was rewritten in Java from an intermediate step of the Murmur hash function in
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* /opt/cola/permits/1104665043_16046444117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/ComparisonChain.java
* /opt/cola/permits/1104665043_16046444117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/EmptyImmutableSetMultimap.java
* /opt/cola/permits/1104665043_16046444117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/ComputationException.java
* /opt/cola/permits/1104665043_16046444117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/ImmutableClassToInstanceMap.java
* /opt/cola/permits/1104665043_16046444117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/ArrayTable.java
* /opt/cola/permits/1104665043_16046444117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/ImmutableTable.java
* /opt/cola/permits/1104665043_16046444117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/SingletonImmutableList.java
* /opt/cola/permits/1104665043_16046444117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/RegularImmutableSortedSet.java
* /opt/cola/permits/1104665043_16046444117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/AbstractIndexedListIterator.java
* /opt/cola/permits/1104665043_16046444117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/DiscreteDomain.java
* /opt/cola/permits/1104665043_16046444117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/ImmutableSortedSetFauxverideShim.java
* /opt/cola/permits/1104665043_16046444117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/ImmutableSortedMap.java
* /opt/cola/permits/1104665043_16046444117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/ImmutableSetMultimap.java
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* /opt/cola/permits/1104665043_16046444117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/SingletonImmutableTable.java
* /opt/cola/permits/1104665043_16046444117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/ImmutableEnumSet.java
* /opt/cola/permits/1104665043_16046444117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/ImmutableEnumSet.java

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  jar/com/google/common/collection/CollectSpliterators.java
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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/cache/Striped64.java
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  jar/com/google/common/primitives/UnsignedBytes.java
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  jar/com/google/common/html/HtmlEscapers.java
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  jar/com/google/common/escape/ArrayBasedCharEscaper.java
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  jar/com/google/common/collect/RegularImmutableTable.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
  jar/com/google/common/net/InternetDomainName.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
  jar/com/google/common/collect/MapMakerInternalMap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
  jar/com/google/common/escape/ArrayBasedEscaperMap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collect/MapMaker.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1.jar/com/google/common/util/concurrent(Callables.java
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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1.jar/com/google/common/cache/LocalCache.java
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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1.jar/com/google/common/primitives/SignedBytes.java
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jar/com/google/common/reflect/ImmutableTypeToInstanceMap.java
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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/RangeMap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/ForwardingDeque.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/TreeRangeMap.java
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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/ForwardingNavigableMap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/TransformedIterator.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/FilteredEntrySetMultimap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/SortedMultisetBridge.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/AbstractSortedKeySortedSetMultimap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/ForwardingImmutableSet.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/EvictingQueue.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/FilteredKeyListMultimap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/AbstractNavigableMap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/FilteredSetMultimap.java
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jar/com/google/common/util/concurrent/FuturesGetChecked.java
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jar/com/google/common/util/concurrent/TimeoutFuture.java
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jar/com/google/common/util/concurrent/SimpleTimeLimiter.java
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jar/com/google/common/escape/CharEscaper.java
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jar/com/google/common/util/concurrent/AbstractTransformFuture.java
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jar/com/google/common/util/concurrent/CollectionFuture.java
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jar/com/google/common/annotations/VisibleForTesting.java
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jar/com/google/common/reflect/TypeToken.java
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jar/com/google/common/util/concurrent/UncheckedTimeoutException.java
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jar/com/google/common/util/concurrent/Futures.java
* /opt/cola/permit/1104665043_1604644117.380/guava-30-0-jre-sources-1-
jar/com/google/common/util/concurrent/TimeLimiter.java
* /opt/cola/permit/1104665043_1604644117.380/guava-30-0-jre-sources-1-
jar/com/google/common/base/CaseFormat.java
* /opt/cola/permit/1104665043_1604644117.380/guava-30-0-jre-sources-1-
jar/com/google/common/util/concurrent/AbstractCatchingFuture.java
* /opt/cola/permit/1104665043_1604644117.380/guava-30-0-jre-sources-1-
jar/com/google/common/util/concurrent/FluentFuture.java
* /opt/cola/permit/1104665043_1604644117.380/guava-30-0-jre-sources-1-
jar/com/google/common/util/concurrent/FakeTimeLimiter.java
* /opt/cola/permit/1104665043_1604644117.380/guava-30-0-jre-sources-1-
jar/com/google/common/io/AppendableWriter.java
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jar/com/google/common/util/concurrent/GwtFluentFutureCatchingSpecialization.java
* /opt/cola/permit/1104665043_1604644117.380/guava-30-0-jre-sources-1-
jar/com/google/common/util/concurrent/AggregateFuture.java

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*/
/**
** Outer class that exists solely to let us write {@code Partially.GwtIncompatible} instead of plain
* {@code GwtIncompatible}. This is more accurate for {@link Futures#catching}, which is available
* under GWT but with a slightly different signature.
*
* <p>We can't use {@code PartiallyGwtIncompatible} because then the GWT compiler wouldn't recognize
* it as a {@code GwtIncompatible} annotation. And for {@code Futures.catching}, we need the GWT
* compiler to autostrip the normal server method in order to expose the special, inherited GWT
* version.
*/

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jar/com/google/common/primitives/Floats.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/util/concurrent/SequentialExecutor.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/thirdparty/publicsuffix/TrieParser.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/primitives/Ints.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/io/MultiReader.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/primitives/Shorts.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/primitives/Longs.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/escape/UnicodeEscaper.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/net/PercentEscaper.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/util/concurrent/ListenabeFutureTask.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/primitives/Doubles.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/primitives/Chars.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/base/internal/Finalizer.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/base/CharMatcher.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/base/Converter.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/base/Stopwatch.java
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jar/com/google/common/io/FileBackedOutputStream.java
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jar/com/google/common/net/InetAddressess.java
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jar/com/google/common/primitives/Bytes.java
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jar/com/google/common/primitives/Booleans.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/base/Joiner.java
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jar/com/google/common/escape/Escaper.java

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*/
/**
 * Returns an array containing all of the elements in the specified collection. This method
 * returns the elements in the order they are returned by the collection's iterator. The returned
 * array is "safe" in that no references to it are maintained by the collection. The caller is
 * thus free to modify the returned array.
 *
 * <p>This method assumes that the collection size doesn't change while the method is running.
 *
 * <p>TODo(kevinb): support concurrently modified collections?
 *
 * @param c the collection for which to return an array of elements
 */

Found in path(s):
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*/
/**
 * Not supported. <b>You are attempting to create a map that may contain a non-{@code Comparable}
key.</b> Proper calls will resolve to the version in [{@code ImmutableSortedMap}], not this dummy
version.
 *
* @throws UnsupportedOperationException always
* @deprecated <b>Pass a key of type {@code Comparable} to use {@link
*     ImmutableSortedMap#of(Comparable, Object)}. </b>
*/

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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
  jar/com/google/common/collection/ImmutableSortedMapFauxverideShim.java
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 */

/*
 * This method was rewritten in Java from an intermediate step of the Murmur hash function in
 * http://code.google.com/p/smhasher/source/browse/trunk/MurmurHash3.cpp, which contained the
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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/SortedIterables.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/ForwardingSortedMultiset.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/RangeSet.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/GeneralRange.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/RegularImmutableSortedMultiset.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/AbstractRangeSet.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/SortedIterable.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/Count.java

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* /opt/ws_local/PERMITS_SQL/1072871039_1595214875.08/0/netty-transport-native-epoll-4-1-42-final-sources-1-jar/io/netty/channel/epoll/EpollRecvByteAllocatorHandle.java
* /opt/ws_local/PERMITS_SQL/1072871039_1595214875.08/0/netty-transport-native-epoll-4-1-42-final-sources-1-jar/io/netty/channel/epoll/AbstractEpollServerChannel.java
* /opt/ws_local/PERMITS_SQL/1072871039_1595214875.08/0/netty-transport-native-epoll-4-1-42-final-sources-1-jar/io/netty/channel/epoll/AbstractEpollStreamChannel.java
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* /opt/ws_local/PERMITS_SQL/1072871039_1595214875.08/0/netty-transport-native-epoll-4-1-42-final-sources-1-jar/io/netty/channel/epoll/EpollServerChannelConfig.java
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* /opt/ws_local/PERMITS_SQL/1072871039_1595214875.08/0/netty-transport-native-epoll-4-1-42-final-sources-1-jar/io/netty/channel/epoll/EpollChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1072871039_1595214875.08/0/netty-transport-native-epoll-4-1-42-final-sources-1-jar/io/netty/channel/epoll/EpollRecvByteAllocatorStreamingHandle.java
* /opt/ws_local/PERMITS_SQL/1072871039_1595214875.08/0/netty-transport-native-epoll-4-1-42-final-sources-1-jar/io/netty/channel/epoll/EpollEventArray.java

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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.
 */
/**
 * Set the {@code 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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* /opt/ws_local/PERMITS_SQL/1072871039_1595214875.08/0/netty-transport-native-epoll-4-1-42-final-sources-1-jar/io/netty/channel/epoll/AbstractEpollChannel.java
* /opt/ws_local/PERMITS_SQL/1072871039_1595214875.08/0/netty-transport-native-epoll-4-1-42-final-sources-1-jar/io/netty/channel/epoll/EpollSocketChannel.java
* /opt/ws_local/PERMITS_SQL/1072871039_1595214875.08/0/netty-transport-native-epoll-4-1-42-final-sources-1-jar/io/netty/channel/epoll/EpollEventLoop.java
* /opt/ws_local/PERMITS_SQL/1072871039_1595214875.08/0/netty-transport-native-epoll-4-1-42-final-sources-1-jar/io/netty/channel/epoll/EpollEventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1072871039_1595214875.08/0/netty-transport-native-epoll-4-1-42-final-sources-1-jar/io/netty/channel/epoll/EpollChannelOption.java
* /opt/ws_local/PERMITS_SQL/1072871039_1595214875.08/0/netty-transport-native-epoll-4-1-42-final-sources-1-jar/io/netty/channel/epoll/EpollDatagramChannel.java

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* /opt/ws_local/PERMITS_SQL/1072871039_1595214875.08/0/netty-transport-native-epoll-4-1-42-final-sources-1-
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/**
 * Set the {code TCP_MD5SIG} option on the socket. See {code linux/tcp.h} for more details.
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 */

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

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

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

  Author: Julio Merino <jmmv84@gmail.com>

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

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    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
    <xsl:text>&#10;</xsl:text>
    <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
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      <xsl:call-template name="isc.copyright.format">
        <xsl:with-param name="text" select="$rest"/>
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1.2341 jmxtrans-output-cloudwatch 267

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1.2342 swagger-jersey2-jaxrs 1.5.0

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1.2344 spdx-expression-parse 3.0.0

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1.2345 tabbable 1.1.0

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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI) in the Netherlands as a successor of a
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includes many contributions from others. The last version released
from CWI was Python 1.2. In 1995, Guido continued his work on Python
at the Corporation for National Research Initiatives (CNRI) in Reston,
Virginia where he released several versions of the software. Python
1.6 was the last of the versions released by CNRI. In 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. Python 2.0 was the first and only release from BeOpen.com.

Following the release of Python 1.6, and after Guido van Rossum left CNRI to work with commercial software developers, it became clear that the ability to use Python with software available under the GNU Public License (GPL) was very desirable. CNRI and the Free Software Foundation (FSF) interacted to develop enabling wording changes to the Python license. Python 1.6.1 is essentially the same as Python 1.6, with a few minor bug fixes, and with a different license that enables later versions to be GPL-compatible. Python 2.1 is a derivative work of Python 1.6.1, as well as of Python 2.0.

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its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
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be optional: if the application does not supply it, the square
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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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That's all there is to it!
DRuntime: Runtime Library for the D Programming Language

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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

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

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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.

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1.2348 fts 1.2.7-r1

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1.2349 genfun 4.0.1

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1.2351 openssh-client 8.3_p1-r2

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*
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1.2353 babel-plugin-add-module-exports 0.2.1

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1.2354 jaeger-client 3.8.0

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# How to Contribute to Jaeger

We'd love your help!

Jaeger is [Apache 2.0 licensed](LICENSE) and accepts contributions via GitHub pull requests. This document outlines some of the conventions on development workflow, commit message formatting, contact points and other resources to make it easier to get your contribution accepted.

We gratefully welcome improvements to documentation as well as to code.

## Developing

Jaeger Python client currently only supports Python 2.7.
This repository uses [virtualenv](https://pypi.python.org/pypi/virtualenv) and `pip` to manage dependencies.
To install all dependencies, run:

1. `virtualenv env`
2. `source env/bin/activate`
3. `make bootstrap`
4. `make test`

### pycurl

On MacOS you may get an error:

```
ImportError: pycurl: libcurl link-time ssl backend (openssl) is different from compile-time ssl backend (none/other)
```

It can be fixed with:

```
pip uninstall pycurl
pip install --install-option="--with-openssl" --install-option="--openssl-dir=/usr/local/opt/openssl" pycurl
```

## Making A Change

*Before making any significant changes, please [open an issue](https://github.com/jaegertracing/jaeger-client-python/issues).*

Discussing your proposed changes ahead of time will make the contribution process smooth for everyone.

Once we've discussed your changes and you've got your code ready, make sure that tests are passing (`make test`) and open your pull request.

Your pull request is most likely to be accepted if it:

* Includes tests for new functionality.
* Has a [good commit message](http://tbaggery.com/2008/04/19/a-note-about-git-commit-messages.html).
* Each commit is signed by the author ([see below](#sign-your-work)).

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```markdown
## Sign your work

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Version 1.1

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```
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then you just add a line to every git commit message:

    Signed-off-by: Joe Smith <joe@gmail.com>

using your real name (sorry, no pseudonyms or anonymous contributions.)

You can add the sign off when creating the git commit via `git commit -s`.

If you want this to be automatic you can set up some aliases:

```
    git config --add alias.amend "commit -s --amend"
    git config --add alias.c "commit -s"
```

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/CONTRIBUTING.md
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* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3.8.0-tar-gz/jaeger-client-3.8.0/crossdock/server/server.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3.8.0-tar-gz/jaeger-client-3.8.0/jaeger_client/span.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3.8.0-tar-gz/jaeger-client-3.8.0/tests/test_span.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3.8.0-tar-gz/jaeger-client-3.8.0/crossdock/server/serializer.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3.8.0-tar-gz/jaeger-client-3.8.0/crossdock/server/thriftrw_serializer.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3.8.0-tar-gz/jaeger-client-3.8.0/tests/test_tracer_benchmark.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3.8.0-tar-gz/jaeger-client-3.8.0/tests/test_thrift.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3.8.0-tar-gz/jaeger-client-3.8.0/crossdock/server/__init__.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3.8.0-tar-gz/jaeger-client-3.8.0/jaeger_client/__init__.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3.8.0-tar-gz/jaeger-client-3.8.0/jaeger_client/codecs.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3.8.0-tar-gz/jaeger-client-3.8.0/tests/test_span_context.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3.8.0-tar-gz/jaeger-client-3.8.0/jaeger_client/rate_limiter.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3.8.0-tar-gz/jaeger-client-3.8.0/jaeger_client/ioloop_util.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3.8.0-tar-gz/jaeger-client-3.8.0/tests/test_TUDPTransport.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3.8.0-tar-gz/jaeger-client-3.8.0/tests/test_utils.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3.8.0-tar-gz/jaeger-client-3.8.0/jaeger_client/utils.py

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**1.2356  bcpkix-jdk15on 1.64**

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```java
/**
 * Base constructor.
 * <p>
 * The authorizer attempts to perform matching (including the use of the wildcard) in accordance with RFC 6125.
 * </p>
 * <p>
 * Known suffixes is a list of public domain suffixes that can't be used as wild cards for
 * example *.com, or c*c.com, as a dns wildcard could match every/most .com domains if a registrar were issue it.
 * If *.com is in the known suffixes list will not be allowed to match.
 * </p>
 * 
 * @param knownSuffixes a set of suffixes that cannot be wild-carded, e.g. { ".com", ".net", ".org" }  
```
Found in path(s):
* /opt/cola/permits/1116600918_1608022997.66/0/bcpkix-jdk15on-1-64-sources-1.jar/org/bouncycastle/est/jcajce/JsseDefaultHostnameAuthorizer.java

1.2357 proto-list 1.2.4
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 23772

1.2359 jmespath-java 1.11.69

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  * /opt/cola/permits/1176280945_1624666165.46/0/jmespath-java-1-11-69-sources-jar/META-INF/maven/com.amazonaws/jmespath-java/pom.xml
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  */

  Found in path(s):
  * /opt/cola/permits/1176280945_1624666165.46/0/jmespath-java-1-11-69-sources-jar/com/amazonaws/jmespath/NumericComparator.java
  * /opt/cola/permits/1176280945_1624666165.46/0/jmespath-java-1-11-69-sources-jar/com/amazonaws/jmespath/OpGreaterThanOrEqualTo.java
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1.2363 python-all 2.7.12-1~16.04
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This package was put together by Klee Dienes <klee@debian.org> from sources from ftp.python.org:/pub/python, based on the Debianization by the previous maintainers Bernd S. Breitrup <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

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
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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import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.javadoc.Tag;

/**
 * A simple Taglet which handles Copyright information.
 */
public class CopyrightTaglet implements Taglet {

    private static final String NAME = "copyright";
    private static final String HEADER = "Copyright:";

    public String getName() {
        return NAME;
    }

    public boolean inField() {
        return true;
    }

    public boolean inConstructor() {
        return true;
    }

    public boolean inMethod() {
        return true;
    }

    public boolean inOverview() {

```
return true;
}
public boolean inPackage() {
return true;
}
public boolean inType() {
return true;
}
public boolean isInlineTag() {
return false;
}
public static void register(Map tagletMap) {
CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
}
public String toString(Tag tag) {
return toString(new Tag[] { tag });
}
public String toString(Tag[] tags) {
if (tags.length == 0) {
return null;
}
else {
boolean haveValidTag = false;
for (int i = 0; i < tags.length && !haveValidTag; ++i) {
if (tags[i].text().length() > 0) {
haveValidTag = true;
}
}
if (haveValidTag) {
StringBuffer result = new StringBuffer();
result.append("<dl>");
for (int i = 0; i < tags.length; i++) {
if (tags[i].text().length() > 0) {
result.append("<dt><i>Copyright &#169; " + tags[i].text() + "</i></dt>");
}
}
result.append("</dl>");
return result.toString();
}
else {

Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 23844


return null;
}
}

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That's all there is to it!

// DO NOT EDIT THIS FILE - it is machine generated.

#ifndef __java_security_Permission__
#define __java_security_Permission__

#pragma interface

#include <java/lang/Object.h>
extern "Java"
{
namespace java
{
namespace security
{
class Permission;

class PermissionCollection;
}
}
}

class java::security::Permission : public ::java::lang::Object
{
public:
Permission(::java::lang::String *);
virtual void checkGuard(::java::lang::Object *);
virtual jboolean implies(::java::security::Permission *) = 0;
virtual jboolean equals(::java::lang::Object *) = 0;
virtual jint hashCode() = 0;
virtual ::java::lang::String * getName();
virtual ::java::lang::String * getActions() = 0;
virtual ::java::security::PermissionCollection * newPermissionCollection();
virtual ::java::lang::String * toString();

private:
static const jlong serialVersionUID = -5636570222231596674LL;
::java::lang::String * __attribute__((aligned(__alignof__(::java::lang::Object)))) name;
}

@endef // __java_security_Permission__
@c Set file name and title for man page.
@setfilename gpl
@settitle GNU General Public License
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/* Permission.java -- The superclass for all permission objects

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package java.security;

import gnu.java.lang.CPStringBuilder;
import java.io.Serializable;

/**
 * This class is the abstract superclass of all classes that implement
 * the concept of a permission. A permission consists of a permission name
 * and optionally a list of actions that relate to the permission. The
 * actual meaning of the name of the permission is defined only in the
 * context of a subclass. It may name a resource to which access permissions
 * are granted (for example, the name of a file) or it might represent
 * something else entirely. Similarly, the action list only has meaning
 * within the context of a subclass. Some permission names may have no
 * actions associated with them. That is, you either have the permission
 * or you don't.
 *
 * `<p>The most important method in this class is `<code>implies</code>`. This
 * checks whether if one has this permission, then the specified
 * permission is also implied. As a conceptual example, consider the
 * permissions "Read All Files" and "Read File foo". The permission
 * "Read All Files" implies that the caller has permission to read the
public abstract class Permission implements Guard, Serializable {

    /**
     * This is the name assigned to this permission object.
     *
     * @serial the name of the permission
     */
    private String name;

    /**
     * Create an instance with the specified name.
     *
     * @param name the permission name
     */
    public Permission(String name) {
        this.name = name;
    }

    /**
     * This method implements the <code>Guard</code> interface for this class.
     * It calls the <code>checkPermission</code> method in
     * <code>SecurityManager</code> with this <code>Permission</code> as its
     * argument. This method returns silently if the security check succeeds
     * or throws an exception if it fails.
     *
     * @param obj the <code>Object</code> being guarded - ignored by this class
     * @throws SecurityException if the security check fails
     * @see GuardedObject
     * @see SecurityManager#checkPermission(Permission)
     */
    public void checkGuard(Object obj)
{  
SecurityManager sm = System.getSecurityManager();
if (sm != null)
    sm.checkPermission(this);
}

/**  
* This method tests whether this <code>Permission</code> implies that the  
* specified <code>Permission</code> is also granted.  
*  
* @param perm the <code>Permission</code> to test against  
* @return true if perm is implied by this  
*/  
public abstract boolean implies(Permission perm);

/**  
* Check to see if this object equals obj. Use <code>implies</code>, rather  
* than <code>equals</code>, when making access control decisions.  
*  
* @param obj the object to compare to  
*/  
public abstract boolean equals(Object obj);

/**  
* This method returns a hash code for this <code>Permission</code>. It  
* must satisfy the contract of <code>Object.hashCode</code>: it must be  
* the same for all objects that equals considers to be the same.  
*  
* @return a hash value  
*/  
public abstract int hashCode();

/**  
* Get the name of this <code>Permission</code>.  
*  
* @return the name  
*/  
public final String getName()
{
    return name;
}

/**  
* This method returns the list of actions for this <code>Permission</code>  
* as a <code>String</code>. The string should be in canonical order, for  
* example, both <code>new FilePermission(f, "write,read")</code> and  
* <code>new FilePermission(f, "read,write")</code> have the action list  
* "read,write".  
*/
```java
public abstract String getActions();

/**
 * This method returns an empty <code>PermissionCollection</code> object
 * that can store permissions of this type, or <code>null</code> if no
 * such collection is defined. Subclasses must override this to provide
 * an appropriate collection when one is needed to accurately calculate
 * <code>implies</code>.
 * *
 * @return a new <code>PermissionCollection</code>
 */
public PermissionCollection newPermissionCollection()
{
    return null;
}

/**
 * This method returns a <code>String</code> representation of this
 * <code>Permission</code> object. This is in the format:
 * <code>'(' + getClass().getName() + ' ' + getName() + ' ' + getActions
 * + ')'</code>.
 * *
 * @return this object as a <code>String</code>
 */
public String toString()
{
    CPStringBuilder string = new CPStringBuilder();

    string = string.append('(');
    string = string.append(getClass().getName());
    string = string.append(' ');
    string = string.append(getName());
    if (!(getActions().equals("")))
    {
        string = string.append(' ');
        string = string.append(getActions());
    }
    string = string.append(')');
    return string.toString();
}
```
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#!/usr/bin/python
#
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#
# This script is free software; you can redistribute it and/or modify
# This script adjusts the copyright notices at the top of source files
# so that they have the form:
#
#   Copyright XXXX-YYYY Free Software Foundation, Inc.
#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
#    update-copyright.pl --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
#    update-copyright.pl --this-year libjava
#
# would run the script on just libjava/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__ (self):
        self.num_errors = 0
def report (self, filename, string):
    if filename:
        string = filename + ': ' + string
    sys.stderr.write (string + '\n')
    self.num_errors += 1

def ok (self):
    return self.num_errors == 0

class GenericFilter:
    def __init__ (self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set (]
            # Skip licence files.
            'COPYING',
            'COPYING.LIB',
            'COPYING3',
            'COPYING3.LIB',
            'LICENSE',
            'fdl.texi',
            'gpl_v3.texi',
            'fdl-1.3.xml',
            'gpl-3.0.xml',

            # Skip auto- and libtool-related files
            'aclocal.m4',
            'compile',
            'config.guess',
            'config.sub',
            'depcomp',
            'install-sh',
            'libtool.m4',
            'ltmain.sh',
            'ltoptions.m4',
            'ltlibm4',
            'ltversion.m4',
            'lt--obsolete.m4',
            'missing',
            'mkdep',
            'mkinstalldirs',
            'move-if-change',
            'shlibpath.m4',
            'symlink-tree',
            'aclocal.m4',
            'compile',
            'config.guess',
            'config.sub',
            'depcomp',
            'install-sh',
            'libtool.m4',
            'ltmain.sh',
            'ltoptions.m4',
            'ltlibm4',
            'ltversion.m4',
            'lt--obsolete.m4',
            'missing',
            'mkdep',
            'mkinstalldirs',
            'move-if-change',
            'shlibpath.m4',
            'symlink-tree',


Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 23925
def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile ('\t')
    return None

def skip_file (self, dir, filename):
    if filename in self.skip_files:
        return True
    (base, extension) = os.path.splitext (os.path.join (dir, filename))
    if extension in self.skip_extensions:
        return True
    if extension == '.in':
        # Skip .in files produced by automake.
        if os.path.exists (base + '.am'):
            return True
    # Skip files produced by autogen
    if (os.path.exists (base + '.def')
        and os.path.exists (base + '.tpl')):
        return True

    # Skip configure files produced by autoconf
    if filename == 'configure':
        if os.path.exists (base + '.ac'):
            return True
        if os.path.exists (base + '.in'):
            return True
    return False

def skip_dir (self, dir, subdir):
    return subdir in self.skip_dirs
def is_fossilised_file(self, dir, filename):
    if filename in self.fossilised_files:
        return True
    # Only touch current current ChangeLogs.
    if filename != 'ChangeLog' and filename.find('ChangeLog') >= 0:
        return True
    return False

def by_package_author(self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__(self, errors):
        self.errors = errors

        # Characters in a range of years. Include ‘.’ for typos.
        ranges = '[0-9][?\-[0-9,\s]\s+and\s+]*[0-9]'

        # Non-whitespace characters in a copyright holder's name.
        name = '\[\w,-.]'

        # Matches one year.
        self.year_re = re.compile('[0-9]+')

        # Matches part of a year or copyright holder.
        self.continuation_re = re.compile(ranges + '|' + name)

        # Matches a full copyright notice:
        self.copyright_re = re.compile('''
            ([Cc]opyright
            |\[Cc\]opyright\s+\[Cc\])
            |\[Cc\]opyright\s+\%s
            |\[Cc\]opyright\s+\&copy;
            |\[Cc\]opyright\s+@copyright{}' + ('''
            |copyright = u"' + ranges + ',?"' + ('''
            |\[@value\{|[^\}\]}\}\s+\]+' + ranges) + ('''
            |by\s+"' + ranges + ',?"''

            # 2: the years. Include the whitespace in the year, so that
            # we can remove any excess.
            \s*\(?\+ +ranges +",?" + ('''
            |\[@value\{|[^\}\]}\}\s+\]+' + ranges)''

            # 3: 'by ', if used
            'by\s+"' + ranges + ',?"''

            # 4: the copyright holder. Don't allow multiple consecutive
# spaces, so that right-margin gloss doesn't get caught
# (e.g. gnat_ugn.texi).
'(' + name + '(?:\s?' + name + '+)?')

# A regexp for notices that might have slipped by. Just matching
# 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
# HTML header markers, so check for 'copyright' and two digits.
self.other_copyright_re = re.compile('copyright.*[0-9][0-9]',
    re.IGNORECASE)

self.comment_re = re.compile('#*|

self.holders = { '@copying': '@copying' }

# True to 'quilt add' files before changing them.
self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s). Could be ',', '.
self.separator = ','

def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find (' ')  
    while index >= 0:
        self.holder_prefixes.add (holder[:index])
        index = holder.find (' ', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__ (self, year):
        self.year = year

    def __str__ (self):
        return 'unrecognised year: ' + self.year

    def parse_year (self, string):
        year = int (string)
        if len (string) == 2:
            if year > 70:
                return year + 1900
            elif len (string) == 4:
                return year

    def add_package_author (self, holder, canon_form = None):
        if not canon_form:
            canon_form = holder
        self.holders[holder] = canon_form
        index = holder.find (' ')  
        while index >= 0:
            self.holder_prefixes.add (holder[:index])
            index = holder.find (' ', index + 1)
raise self.BadYear (string)

def year_range (self, years):
    year_list = [self.parse_year (year)
        for year in self.year_re.findall (years)]
    assert len (year_list) > 0
    return (min (year_list), max (year_list))

def set_use_quilt (self, use_quilt):
    self.use_quilt = use_quilt

def include_year (self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years (self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith ("@value"):
        return years
    (min_year, max_year) = self.year_range (years)
    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file (dir, filename):
        max_year = max (max_year, self.max_year)
    # Use a range.
    if min_year == max_year:
        return '%d' % min_year
    else:
        return '%d-%d' % (min_year, max_year)

def strip_continuation (self, line):
    line = line.lstrip()
    match = self.comment_re.match (line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete (self, match):
    holder = match.group (4)
    return (holder
        and (holder not in self.holder_prefixes
            or holder in self.holders))

def update_copyright (self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
pathname = os.path.join (dir, filename)

intro = match.group (1)
if intro.startswith ('@set'):
    # Texinfo year variables should always be on one line
    after_years = line[match.end (2):].strip()
    if after_years != '':
        self.errors.report (pathname,
                           'trailing characters in @set: ' + after_years)
    return (False, orig_line, next_line)
else:
    # If it looks like the copyright is incomplete, add the next line.
    while not self.is_complete (match):
        try:
            next_line = file.next()
        except StopIteration:
            break
        # If the next line doesn't look like a proper continuation,
        # assume that what we've got is complete.
        continuation = self.strip_continuation (next_line)
        if not self.continuation_re.match (continuation):
            break
        # Merge the lines for matching purposes.
        orig_line += next_line
        line = line.rstrip() + ' ' + continuation
        next_line = None
    # Rematch with the longer line, at the original position.
    match = self.copyright_re.match (line, match.start())
    assert match
    holder = match.group (4)

    # Use the filter to test cases where markup is getting in the way.
    if filter.by_package_author (dir, filename):
        assert holder not in self.holders

    elif not holder:
        self.errors.report (pathname, 'missing copyright holder')
        return (False, orig_line, next_line)

    elif holder not in self.holders:
        self.errors.report (pathname,
                           'unrecognised copyright holder: ' + holder)
        return (False, orig_line, next_line)
else:
    # See whether the copyright is associated with the package
    # author.
    canon_form = self.holders[holder]
    if not canon_form:
        return (False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
    line = (line[:match.start (4)]
            + canon_form
            + line[match.end (4):])

    # Remove any 'by'
    line = line[:match.start (3)] + line[match.end (3):]

    # Update the copyright years.
    years = match.group (2).strip()
    try:
        canon_form = self.canonicalise_years (dir, filename, filter, years)
    except self.BadYear as e:
        self.errors.report (pathname, str (e))
        return (False, orig_line, next_line)

    line = (line[:match.start (2)]
            + ('' if intro.startswith ('copyright = ') else ' ')
            + canon_form + self.separator
            + line[match.end (2):])

    # Use the standard (C) form.
    if intro.endswith ('right'):
        intro += ' (C)'
    elif intro.endswith ('(c)'):
        intro = intro[:-3] + '(C)'
    line = line[:match.start (1)] + intro + line[match.end (1):]

    # Strip trailing whitespace
    line = line.rstrip() + '

    return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)
        except OSError:
pass
return

dlines = []
changed = False
line_filter = filter.get_line_filter (dir, filename)
with open (pathname, 'r') as file:
    prev = None
    for line in file:
        while line:
            next_line = None
            # Leave filtered-out lines alone.
            if not (line_filter and line_filter.match (line)):
                match = self.copyright_re.search (line)
                if match:
                    res = self.update_copyright (dir, filename, filter,
                                                file, line, match)
                    (this_changed, line, next_line) = res
                    changed = changed or this_changed
            # Check for copyright lines that might have slipped by.
            elif self.other_copyright_re.search (line):
                self.errors.report (pathname,
                                    'unrecognised copyright: %s'
                                    % line.strip())
                lines.append (line)
                line = next_line

            # If something changed, write the new file out.
            if changed and self.errors.ok():
                tmp_pathname = pathname + '.tmp'
                with open (tmp_pathname, 'w') as file:
                    for line in lines:
                        file.write (line)
                if self.use_quilt:
                    subprocess.call (['quilt', 'add', pathname])
                os.rename (tmp_pathname, pathname)

        def process_tree (self, tree, filter):
            for (dir, subdirs, filenames) in os.walk (tree):
                # Don't recurse through directories that should be skipped.
                for i in xrange (len (subdirs) - 1, -1, -1):
                    if filter.skip_dir (dir, subdirs[i]):
                        del subdirs[i]

                # Handle the files in this directory.
                for filename in filenames:
                    if filter.skip_file (dir, filename):

sys.stdout.write('Skipping %s
    % os.path.join (dir, filename))
else:
    self.process_file (dir, filename, filter)

class CmdLine:
    def __init__ (self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright (self.errors)
        self.dirs = []
        self.default_dirs = []
        self.chosen_dirs = []
        self.option_handlers = dict()
        self.option_help = []

        self.add_option ('--help', 'Print this help', self.o_help)
        self.add_option ('--quilt', '"quilt add" files before changing them',
                          self.o_quilt)
        self.add_option ('--this-year', 'Add the current year to every notice',
                          self.o_this_year)

        def add_option (self, name, help, handler):
            self.option_help.append ((name, help))
            self.option_handlers[name] = handler

        def add_dir (self, dir, filter = GenericFilter()):
            self.dirs.append ((dir, filter))

        def o_help (self, option = None):
            sys.stdout.write ('Usage: %s [options] dir1 dir2...

Options:
' % sys.argv[0])
            format = '%-15s %s
'
            for (what, help) in self.option_help:
                sys.stdout.write (format % (what, help))
            sys.stdout.write ('Directories:
')
            format = '%-25s'
            i = 0
            for (dir, filter) in self.dirs:
                i += 1
                if i % 3 == 0 or i == len (self.dirs):
                    sys.stdout.write (dir + '\n')
                else:
                    sys.stdout.write (format % dir)
            sys.exit (0)

        def o_quilt (self, option):
            self.copyright.set_use_quilt (True)
```python
def o_this_year (self, option):
    self.copyright.include_year (time.localtime().tm_year)

def main (self):
    for arg in sys.argv[1:]:
        if arg[1] != '-':
            self.chosen_dirs.append (arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg] (arg)
        else:
            self.errors.report (None, 'unrecognised option: ' + arg)
    if self.errors.ok():
        if len (self.chosen_dirs) == 0:
            self.chosen_dirs = self.default_dirs
        if len (self.chosen_dirs) == 0:
            self.o_help()
        else:
            for chosen_dir in self.chosen_dirs:
                canon_dir = os.path.join (chosen_dir, '')
                count = 0
                for (dir, filter) in self.dirs:
                    if (dir + os.sep).startswith (canon_dir):
                        count += 1
                        self.copyright.process_tree (dir, filter)
                        if count == 0:
                            self.errors.report (None, 'unrecognised directory: '
                                        + chosen_dir)
                sys.exit (0 if self.errors.ok() else 1)

#------------------------------------------------------------------------------------------

class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True

class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    def skip_file (self, dir, filename):
        if filename.endswith ('.m4'):
            pathname = os.path.join (dir, filename)
            with open (pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find ('gettext-') >= 0:
                    return True
        return GenericFilter.skip_file (self, dir, filename)
```

---

Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 23934
class GCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set [
            # Not part of GCC
            'math-68881.h',
        ]

        self.skip_dirs |= set [
            # Better not create a merge nightmare for the GNAT folks.
            'ada',

            # Handled separately.
            'testsuite',
        ]

        self.skip_extensions |= set [
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        ]

        self.fossilised_files |= set [
            # Old news won't be updated.
            'ONEWS',
        ]

class TestsuiteFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set [
            # Don't change the tests, which could be woend by anyone.
            '.c',
            '.C',
            '.cc',
            '.h',
            '.hs',
            '.f',
            '.f90',
            '.go',
            '.inc',
            '.java',
        ]
def skip_file (self, dir, filename):
    # g++.niklas/README contains historical copyright information
    # and isn’t updated.
    if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
        return True
    return GenericFilter.skip_file (self, dir, filename)

class LibCppFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set (
            # Maintained by the translation project.
            '.po',
            # Automatically-generated.
            '.pot',
        )

class LibGCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set (
            # Imported from GLIBC.
            'soft-fp',
        )

class LibJavaFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set (
            # Handled separately.
            'testsuite',
            # Not really part of the library
            'contrib',
            # Imported from upstream
            'classpath',
            'libltdl',
        )

    def get_line_filter (self, dir, filename):
        if filename == 'NameDecoder.h':
            return re.compile ('.*NAME_COPYRIGHT')
if filename == 'ICC_Profile.h':
    return re.compile ('.*icSigCopyrightTag')
return GenericFilter.get_line_filter (self, dir, filename)

class LibMudflapFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ([
            # Handled separately.
            'testsuite',
        ])

class LibStdCxxFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set ([
            # Contains no copyright of its own, but quotes the GPL.
            'intro.xml',
        ])

        self.skip_dirs |= set ([
            # Contains automatically-generated sources.
            'html',

            # The testsuite data files shouldn't be changed.
            'data',

            # Contains imported images
            'images',
        ])

        self.own_files |= set ([
            # Contains markup around the copyright owner.
            'spine.xml',
        ])

    def get_line_filter (self, dir, filename):
        if filename == 'boost_concept_check.h':
            return re.compile ('// (C) Copyright Jeremy Siek')
        return GenericFilter.get_line_filter (self, dir, filename)

class GCCCopyright (Copyright):
    def __init__ (self, errors):
        Copyright.__init__ (self, errors)

        canon_fsf = 'Free Software Foundation, Inc.'
self.add_package_author('Free Software Foundation', canon_fsf)
self.add_package_author('Free Software Foundation.', can_fsf)
self.add_package_author('Free Software Foundation Inc.', can_fsf)
self.add_package_author('Free Software Foundation, Inc', can_fsf)
self.add_package_author('Free Software Foundation, Inc.', can_fsf)
self.add_package_author('The Free Software Foundation', can_fsf)
self.add_package_author('The Free Software Foundation, Inc.', can_fsf)
self.add_package_author('Software Foundation, Inc.', can_fsf)

self.add_external_author('ARM')
self.add_external_author('AdaCore')
self.add_external_author('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
self.add_external_author('Cavium Networks.')
self.add_external_author('Faraday Technology Corp.')
self.add_external_author('Florida State University')
self.add_external_author('Greg Colvin and Beman Dawes.')
self.add_external_author('Hewlett-Packard Company')
self.add_external_author('Information Technology Industry Council.')
self.add_external_author('James Theiler, Brian Gough')
self.add_external_author('Makoto Matsumoto and Takuji Nishimura.')
self.add_external_author('National Research Council of Canada.')
self.add_external_author('Peter Dimov and Multi Media Ltd.')
self.add_external_author('Peter Dimov')
self.add_external_author('Pipeline Associates, Inc.')
self.add_external_author('Regents of the University of California.')
self.add_external_author('Silicon Graphics Computer Systems, Inc.')
self.add_external_author('Silicon Graphics')
self.add_external_author('Stephen L. Moshier')
self.add_external_author('Sun Microsystems, Inc. All rights reserved.')
self.add_external_author('The Go Authors. All rights reserved.')
self.add_external_author('The Go Authors. All rights reserved.')
self.add_external_author('The Regents of the University of California.')
self.add_external_author('Unicode, Inc.')
self.add_external_author('University of Toronto.')

class GCCCmdLine(CmdLine):
def __init__(self):
    CmdLine.__init__(self, GCCCopyright)
    self.add_dir('.', TopLevelFilter())
    # boehm-gc is imported from upstream.
    self.add_dir('config', ConfigFilter())
    # contrib isn't really part of GCC.
    self.add_dir('fixincludes')
    self.add_dir('gcc', GCCFilter())
    self.add_dir(os.path.join('gcc', 'testsuite'), TestsuiteFilter())
    self.add_dir('gnatools')
self.add_dir('include')
self.add_dir('libada')
self.add_dir('libatomic')
self.add_dir('libbacktrace')
self.add_dir('libcpp', LibCppFilter())
self.add_dir('libdecdnumber')
# libffi is imported from upstream.
self.add_dir('libgcc', LibGCCFilter())
self.add_dir('libgfortran')
self.add_dir('libgomp')
self.add_dir('libiberty')
self.add_dir('libitm')
self.add_dir('libjava', LibJavaFilter())
self.add_dir(os.path.join('libjava', 'testsuite'), TestsuiteFilter())
self.add_dir('libmudflap', LibMudflapFilter())
self.add_dir(os.path.join('libmudflap', 'testsuite'), TestsuiteFilter())
self.add_dir('libobjc')
self.add_dir('libquadmath')
# libsanitiser is imported from upstream.
self.add_dir('libssp')
self.add_dir('libstdc++-v3', LibStdCxxFilter())
self.add_dir('lto-plugin')
# zlib is imported from upstream.

self.default_dirs = [
    'gcc',
    'libada',
    'libatomic',
    'libbacktrace',
    'libcpp',
    'libdecdnumber',
    'libgcc',
    'libgfortran',
    'libgomp',
    'libitm',
    'libmudflap',
    'libobjc',
    'libstdc++-v3',
]

GCCCmdLine().main()
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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.]

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/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using underscores, we are using prefix `.`'s to identify labels that should be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE, SIZE)  
  fprintf (FILE, "\t.space \"HOST_WIDE_INT_PRINT_UNSIGNED\"\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED)  
  ( fputs (".comm \", (FILE)),

assemble_name ((FILE), (NAME)),
fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line
   to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED)  
  ( fputs (".lcomm ", (FILE)),
    assemble_name ((FILE), (NAME)),
    fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  
  ( fputs (".lcomm ", (FILE)),
    assemble_name ((FILE), (NAME)),
    fprintf ((FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line
   that says to advance the location counter
to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG)		
  if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF
the symbol_ref name of an internal numbered label where
PREFIX is the class of label and NUM is the number within the class.
This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)	
  sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX "."

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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That's all there is to it!
#ifndef __java_security_acl_Permission__
#define __java_security_acl_Permission__

#pragma interface

#include <java/lang/Object.h>
extern "Java"
{
namespace java{
namespace security{
namespace acl{
class Permission;
}
}
}
}

namespace java{
namespace lang{
namespace String{
string gnu/java/lang/CPStringBuilder;
SourceFilePermission.java!
F
**+[1]^...

XM,,*$nop
q *+
./012345/*6578,95S:Y<=L+(=L+*AEIL+,=L+*LIL,*MOQ+L+*MIL+=L+U*
*+7>GNSKWXYZ

// DO NOT EDIT THIS FILE - it is machine generated -*- c++ -*-

#ifndef __java_security_acl_Permission__
define __java_security_acl_Permission__

#pragma interface

#include <java/lang/Object.h>
extern "Java"
{
namespace java{
namespace security{
namespace acl{
class Permission;
}
}
}

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

HISTORY -

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

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

Some other contributors:

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

The SPARC specific code was originally contributed by Mark Weiser.
The Encore Multimax modifications were supplied by
Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely
due to Vernon Lee, on machines made available to Rice by IBM.
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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)
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Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.
Thomas Funke (thf@zelator.in-berlin.de(??)) and
Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader
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Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks(agg@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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/**
 * This interface provides information about a permission that can be granted. Note that this is &lt;em&gt;not&lt;/em&gt; the same as the class &lt;code&gt;java.security.Permission&lt;/code&gt;.
 */
*
* @version 0.0
*
* @author Aaron M. Renn (arenn@urbanophile.com)
*/
public interface Permission
{
/**
* This method tests whether or not a specified <code>Permission</code>
* (passed as an <code>Object</code>) is the same as this permission.
*
* @param perm The permission to check for equality
*
* @return <code>true</code> if the specified permission is the same as this one, <code>false</code> otherwise
*/
boolean equals (Object perm);

/**
* This method returns this <code>Permission</code> as a <code>String</code>. 
*
* @return A <code>String</code> representing this permission.
*/
String toString();
}

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..
.de Sp " Vertical space (when we can't use .PP)
.if t .sp .5v
.if n .sp
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.de Vb " Begin verbatim text
.ft CW
.nf
.ne \$1
..
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.fi
..
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.tr \*W-
.ds C+ C\~\-1v\~h\-1p\~s\-2+h\-1p\~s0\v\~h\-1p' 
.ie n \{
  .ds -- \*W-
  .ds PI pi
  .if \(n\H=4u)\&(1m=24u) .ds -- \*W\h\-12u\(\*W\h\-12u\" diablo 10 pitch
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  .ds L" ""
\* Escape single quotes in literal strings from groff's Unicode transform.
\* If the F register is turned on, we'll generate index entries on stderr for
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\* Fear. Run. Save yourself. No user-serviceable parts.
" simple accents for nroff and troff
.if n « \}
  .ds ' \&
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  " troff and (daisy-wheel) nroff accents
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// DO NOT EDIT THIS FILE - it is machine generated -*- c++ -*-

#ifndef __gnu_javax_sound_AudioSecurityManager$Permission__
#define __gnu_javax_sound_AudioSecurityManager$Permission__

#pragma interface

#include <java/lang/Enum.h>
#include <gcj/array.h>

extern "Java"
{
    namespace gnu
    {
        namespace javax
        {
            namespace sound
            {
                class AudioSecurityManager$Permission;
            }
        }
    }
}

class gnu::javax::sound::AudioSecurityManager$Permission : public ::java::lang::Enum
{
    AudioSecurityManager$Permission(::java::lang::String *, jint);
public:
    static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * values();
    static ::gnu::javax::sound::AudioSecurityManager$Permission * valueOf(::java::lang::String *);
static ::gnu::javax::sound::AudioSecurityManager$Permission * PLAY;
static ::gnu::javax::sound::AudioSecurityManager$Permission * RECORD;
static ::gnu::javax::sound::AudioSecurityManager$Permission * ALL;
private:
static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * ENUM$VALUES;
public:
static ::java::lang::Class class$;
};

#endif // __gnu_javax_sound_AudioSecurityManager$Permission__

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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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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

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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
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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

-----
Assorted

The UnixCrypt.java code implements the one way cryptography used by
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1.2374 ip-address 1.0.22

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1.2375 map-visit 1.0.0
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Files: *
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Source: https://metacpan.org/release/Algorithm-Diff-XS

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1.2377 async-each 1.0.1

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# async-each

No-bullshit, ultra-simple, 35-lines-of-code async parallel forEach function for JavaScript.

We don't need junky 30K async libs. Really.

For browsers and node.js.

## Installation

* Just include async-each before your scripts.
* `npm install async-each` if you’re using node.js.
* `bower install async-each` if you’re using [Bower](http://bower.io).
## Usage

* `each(array, iterator, callback);` — `Array`, `Function`, `(optional) Function`
* `iterator(item, next)` receives current item and a callback that will mark the item as done. `next` callback receives optional `error, transformedItem` arguments.
* `callback(error, transformedArray)` optionally receives first error and transformed result `Array`.

### Node.js:

```javascript
var each = require('async-each');
each(['a.js', 'b.js', 'c.js'], fs.readFile, function(error, contents) {
  if (error) console.error(error);
  console.log('Contents for a, b and c:', contents);
});
```

### Browser:

```javascript
window.asyncEach(list, fn, callback);
```

## License

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Continued from page:

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1.2378 libc 2.27 3ubuntu1.4

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1.2380 annotations 3.0.1

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Version: 1.7.29
Summary: Credential Manager Sidecar Service (1.7.29)
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Author: UNKNOWN
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Platform: UNKNOWN
Requires-Dist: maglev-api (~=1.7.0)
Requires-Dist: maglev-appserver (~=1.8.0)
Requires-Dist: maglev-internal-api (~=1.7.0)
Requires-Dist: maglev-sidecar (~=1.7.0)
Requires-Dist: setupools (>=41.2.0)
Requires-Dist: setupools-scm (==3.4.3)
Requires-Dist: toml (==0.10.0)
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# Sidecar for managed service
+ Requires : Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

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* /opt/cola/permits/1175837556_1624508878.74/0/credentialmanager-sidecar-1-7-29-dist-info-
  zip/inputdir/packages_extracted/targz/1/packages_extracted/1/packages_extracted/28/credentialmanager_sidecar-1.7.29.dist-info/METADATA

1.2386 cas-client-core 3.2.1

1.2387 liblz4-1 0.0~r131-2+b1

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1.2391 convert-source-map 1.6.0

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* /opt/cola/permits/1176281503_1624666599.86/0/nifty-client-0-23-0-sources-jar/com/facebook/nifty/client/TNiftyClientChannelTransport.java
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jar/com/facebook/nifty/client/TNiftyClientListener.java
* /opt/cola/permits/1176281503_1624666599.86/0/nifty-client-0-23-0-sources-jar/com/facebook/nifty/client/UnframedClientConnector.java
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* /opt/cola/permits/1176281503_1624666599.86/0/nifty-client-0-23-0-sources-jar/com/facebook/nifty/client/socks/SettableChannelFuture.java
1.2394 fbjs 0.8.16
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1.2395 scala-library 2.11.7
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/**
 * Latch used to implement waiting on a DefaultPromise's result.
 *
 * Inspired by: http://gee.cs.oswego.edu/cgi-bin/viewcvs.cgi/jsr166/src/main/java/util/concurrent/locks/AbstractQueuedSynchronizer.java
 * Written by Doug Lea with assistance from members of JCP JSR-166
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 */

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* /opt/cola/permits/1124925741_1611198116.03/0/scala-library-2-11-7-sources-1-jar/scala/concurrent/impl/Promise.scala

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/**
A `ClassTag[T]` stores the erased class of a given type `T`, accessible via the `runtimeClass` field. This is particularly useful for instantiating `Array`s whose element types are unknown at compile time.

`ClassTag`s are a weaker special case of `TypeTags`, in that they wrap only the runtime class of a given type, whereas a `TypeTag` contains all static type information. That is, `ClassTag`s are constructed from knowing only the top-level class of a type, without necessarily knowing all of its argument types. This runtime information is enough for runtime `Array` creation.

For example:

```-scala
def mkArray[T : ClassTag](elems: T*) = Array[T](elems: _*)
mkArray: [T](elems: T*)(implicit evidence$1: scala.reflect.ClassTag[T])Array[T]

scala> mkArray(42, 13)
res0: Array[Int] = Array(42, 13)

scala> mkArray("Japan","Brazil","Germany")
res1: Array[String] = Array(Japan, Brazil, Germany)
```

See `TypeTags` for more examples, or the `Reflection Guide: TypeTags` for more details.

---

1.2396 boom 2.10.1

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1.2397 libtinfo 6.0+20160213 1ubuntu1

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* /opt/cola/permits/1131259412_1612941558.14/0/jline-2-12-1-sources-3-jar/jline/console/package-info.java
* /opt/cola/permits/1131259412_1612941558.14/0/jline-2-12-1-sources-3-jar/jline/console/completer/EnumCompleter.java
* /opt/cola/permits/1131259412_1612941558.14/0/jline-2-12-1-sources-3-jar/jline/AnsiWindowsTerminal.java
* /opt/cola/permits/1131259412_1612941558.14/0/jline-2-12-1-sources-3-jar/jline/UnsupportedTerminal.java
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* /opt/cola/permits/1131259412_1612941558.14/0/jline-2-12-1-sources-3-jar/jline/console/ConsoleReaderInputStream.java
* /opt/cola/permits/1131259412_1612941558.14/0/jline-2-12-1-sources-3-jar/jline/console/package-info.java
* /opt/cola/permits/1131259412_1612941558.14/0/jline-2-12-1-sources-3-jar/jline/internal/TerminalLineSettings.java
* /opt/cola/permits/1131259412_1612941558.14/0/jline-2-12-1-sources-3-jar/jline/console/InputStreamReader.java
* /opt/cola/permits/1131259412_1612941558.14/0/jline-2-12-1-sources-3-jar/jline/console/history/package-info.java
* /opt/cola/permits/1131259412_1612941558.14/0/jline-2-12-1-sources-3-jar/jline/console/completer/package-info.java
* /opt/cola/permits/1131259412_1612941558.14/0/jline-2-12-1-sources-3-jar/jline/console/completer/package-info.java
* /opt/cola/permits/1131259412_1612941558.14/0/jline-2-12-1-sources-3-jar/jline/console/completer/FileHistoryCompleter.java
* /opt/cola/permits/1131259412_1612941558.14/0/jline-2-12-1-sources-3-jar/jline/console/completer/FileNameCompleter.java
* /opt/cola/permits/1131259412_1612941558.14/0/jline-2-12-1-sources-3-jar/jline/console/completer/NullCompleter.java
* /opt/cola/permits/1131259412_1612941558.14/0/jline-2-12-1-sources-3-jar/jline/console/completer/package-info.java
* /opt/cola/permits/1131259412_1612941558.14/0/jline-2-12-1-sources-3-jar/jline/console/completer/package-info.java
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* /opt/cola/permits/1131259412_1612941558.14/0/jline-2-12-1-sources-3-jar/jline/console/completer/package-info.java
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1.2401 process 0.11.10

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1.2402 libgcc 9.3.0-r2

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

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DRuntime: Runtime Library for the D Programming Language

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Version 3.1, 31 March 2009

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* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/xml/Processor.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/xml/SAXClassAdapter.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/xml/SAXAdapter.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/xml/ASMContentHandler.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/xml/SAXAnnotationAdapter.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/xml/SAXFieldAdapter.java

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  jar/org/objectweb/asm/commons/InstructionAdapter.java
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**1.2411 elasticsearch-plugin-cli 6.7.1**

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[role="xpack"]
[testenv="basic"]
[[delete-license]]
=== Delete license API
++++
<titleabbrev>Delete license</titleabbrev>
++++

This API enables you to delete licensing information.

[float]
==== Request

`DELETE /_xpack/license`

[float]
==== Description
When your license expires, {xpack} operates in a degraded mode. For more information, see {xpack-ref}/license-expiration.html[License Expiration].

[float]
==== Authorization

You must have `manage` cluster privileges to use this API. For more information, see {xpack-ref}/security-privileges.html[Security Privileges].

[float]
==== Examples

The following example queries the info API:

[source,js]

DELETE _xpack/license

// CONSOLE
// TEST[skip:license testing issues]

When the license is successfully deleted, the API returns the following response:

[source,js]

{  "acknowledged": true  }

// NOTCONSOLE

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The license can be deleted using the `deleteLicense()` method:

```java
include-tagged::{doc-tests}/LicensingDocumentationIT.java[delete-license-execute]
```

The returned `DeleteLicenseResponse` contains the `acknowledged` flag, which returns true if the request was processed by all nodes.

```java
include-tagged::{doc-tests}/LicensingDocumentationIT.java[delete-license-response]
```

<1> Check the acknowledge flag. It should be true if license deletion is acknowledged.

This request can be executed asynchronously:

```java
include-tagged::{doc-tests}/LicensingDocumentationIT.java[delete-license-execute-async]
```

<1> The `DeleteLicenseRequest` to execute and the `ActionListener` to use when the execution completes

The asynchronous method does not block and returns immediately. Once it is completed the `ActionListener` is called back using the `onResponse` method if the execution successfully completed or using the `onFailure` method if it failed.
A typical listener for 'DeleteLicenseResponse' looks like:

```javascript
["source", "java", subs="attributes,callouts,macros"]
```

<1> Called when the execution is successfully completed. The response is provided as an argument. <2> Called in case of failure. The raised exception is provided as an argument.

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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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This API enables you to update your license.

==== Request

`PUT _xpack/license`

==== Description

You can update your license at runtime without shutting down your nodes. License updates take effect immediately. If the license you are installing does not support all of the features that were available with your previous license, however, you are notified in the response. You must then re-submit the API request with the `acknowledge` parameter set to `true`.

For more information about the different types of licenses, see https://www.elastic.co/subscriptions.

==== Query Parameters

`acknowledge`::
(booleran) Specifies whether you acknowledge the license changes. The default value is `false`.

==== Request Body

`licenses`::
(array) A sequence of one or more JSON documents containing the license information.

==== Authorization

If {es} {security-features} are enabled, you need `manage` cluster privileges to install the license.
If `{es}` `{security-features}` are enabled and you are installing a gold or platinum license, you must enable TLS on the transport networking layer before you install the license. See `<<configuring-tls>>`.

---

### Examples

The following example updates to a basic license:

[source,js]
```json
POST _xpack/license
{
  "licenses": [
    {
      "uid": "893361dc-9749-4997-93cb-802e3d7fa4xx",
      "type": "basic",
      "issue_date_in_millis": 1411948800000,
      "expiry_date_in_millis": 1914278399999,
      "max_nodes": 1,
      "issued_to": "issuedTo",
      "issuer": "issuer",
      "signature": "xx"
    }
  ]
}
```

// CONSOLE
// TEST[skip:license testing issues]

NOTE: These values are invalid; you must substitute the appropriate content from your license file.

You can alternatively use a `curl` command, for example:

[source,js]
```bash
[source,shell]
curl -X PUT -u <user> 'http://<host>:<port>/_xpack/license' -H "Content-Type: application/json" -d @license.json
```

// NOTCONSOLE

On Windows machine, use the following command:

[source,shell]
```bash
gc \license.json | Invoke-WebRequest -uri http://<host>:<port>/_xpack/license -Credential elastic -Method Put -ContentType "application/json"
```
In these examples,

* `<user>` is a user ID with the appropriate authority.
* `<host>` is the hostname of the {es} node (`localhost` if executing locally)
* `<port>` is the http port (defaults to `9200`)
* `license.json` is the license JSON file

NOTE: If your {es} node has SSL enabled on the HTTP interface, you must start your URL with `https://`

If you previously had a license with more features than the basic license, you receive the following response:

[source,js]

```
{
  "acknowledged": false,
  "license_status": "valid",
  "acknowledge": {
    "message": "This license update requires acknowledgement. To acknowledge the license, please read the following messages and update the license again, this time with the "acknowledge=true" parameter:"",
    "watcher": [
      "Watcher will be disabled"
    ],
    "logstash": [
      "Logstash will no longer poll for centrally-managed pipelines"
    ],
    "security": [
      "The following X-Pack security functionality will be disabled: ..."]
  }
}
```

// NOTCONSOLE

To complete the update, you must re-submit the API request and set the `acknowledge` parameter to `true`. For example:

[source,js]

```
POST _xpack/license?acknowledge=true
{
  "licenses": [
    {
      "uid":"893361dc-9749-4997-93cb-802e3d7fa4xx",
      "type":"basic",
      "acknowledged": false,
      "license_status": "valid",
      "acknowledge": {
        "message": "This license update requires acknowledgement. To acknowledge the license, please read the following messages and update the license again, this time with the "acknowledge=true" parameter:"",
        "watcher": [
          "Watcher will be disabled"
        ],
        "logstash": [
          "Logstash will no longer poll for centrally-managed pipelines"
        ],
        "security": [
          "The following X-Pack security functionality will be disabled: ..."]
      }
    }
  ]
}
```

// NOTCONSOLE
"issue_date_in_millis":1411948800000,
"expiry_date_in_millis":1914278399999,
"max_nodes":1,
"issued_to":"issuedTo",
"issuer":"issuer",
"signature":"xx"
}
]

// CONSOLE
// TEST[skip:license testing issues]

Alternatively:

[source,sh]

```
curl -XPUT -u elastic 'http://<host>:<port>/_xpack/license?acknowledge=true' -H "Content-Type: application/json"
-d @license.json
```

// NOTCONSOLE

For more information about the features that are disabled when you downgrade your license, see {xpack-ref}/license-expiration.html[License Expiration].

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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
```
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
```
org/apache/lucene/analysis/en
```
was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst)
under the BSD-license.

The Arabic,Persian,Romanian,Bulgarian, Hindi and Bengali analyzers (common) come with a default
stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:
```
org/apache/lucene/analysis/ar/stopwords.txt,
org/apache/lucene/analysis/fa/stopwords.txt,
org/apache/lucene/analysis/ro/stopwords.txt,
org/apache/lucene/analysis/bg/stopwords.txt,
org/apache/lucene/analysis/hi/stopwords.txt,
org/apache/lucene/analysis/bn/stopwords.txt
```

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers
(common) are based on BSD-licensed reference implementations created by Jacques Savoy and
Ljiljana Dolamic. These files reside in:
```
de/GermanLightStemmer.java
de/GermanMinimalStemmer.java
es/SpanishLightStemmer.java
fi/FinnishLightStemmer.java
fr/FrenchLightStemmer.java
fr/FrenchMinimalStemmer.java
hu/HungarianLightStemmer.java
it/ItalianLightStemmer.java
pt/PortugueseLightStemmer.java
ru/RussianLightStemmer.java
sv/SwedishLightStemmer.java
```

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The Polish analyzer (stempel) comes with a default
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in stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt.
See http://project.carrot2.org/license.html.

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or

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[[license-settings]]

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```
--
```

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The art of simplicity is a puzzle of complexity.

## Overview ##

[YAML](http://yaml.org) is a data serialization format designed for human readability and interaction with scripting languages.

SnakeYAML is a YAML processor for the Java Virtual Machine.

## SnakeYAML features ##

* a **complete** [YAML 1.1 processor](http://yaml.org/spec/1.1/current.html). In particular, SnakeYAML can parse all examples from the specification.
* Unicode support including UTF-8/UTF-16 input/output.
* high-level API for serializing and deserializing native Java objects.
* support for all types from the [YAML types repository](http://yaml.org/type/index.html).
* relatively sensible error messages.

## Info ##

* [Changes](https://bitbucket.org/asomov/snakeyaml/wiki/Changes)
* [Documentation](https://bitbucket.org/asomov/snakeyaml/wiki/Documentation)

## Contribute ##

* Mercurial DVCS is used to dance with the [source code](https://bitbucket.org/asomov/snakeyaml/src).
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```
[role="xpack"]
[testenv="basic"]
[[get-license]]
=== Get license API
++++
<titleabbrev>Get license</titleabbrev>
++++

This API enables you to retrieve licensing information.

```
[float]
==== Request

`GET /_xpack/license`

```
[float]
==== Description

This API returns information about the type of license, when it was issued, and when it expires, for example.

For more information about the different types of licenses, see https://www.elastic.co/subscriptions.

```
[float]
==== Query Parameters

`local`:
(boolean) Specifies whether to retrieve local information. The default value is `false`, which means the information is retrieved from the master node.

```
[float]
==== Authorization

You must have `monitor` cluster privileges to use this API.
For more information, see {xpack-ref}/security-privileges.html[Security Privileges].

```
[float]
==== Examples
The following example provides information about a trial license:

[source.js]
--------------------------------------------------
GET _xpack/license
--------------------------------------------------

// CONSOLE

[source.js]
--------------------------------------------------
{
    "license": {
        "status": "active",
        "uid": "cbff45e7-c553-41f7-ae4f-9205eabd80xx",
        "type": "trial",
        "issue_date": "2018-10-20T22:05:12.332Z",
        "issue_date_in_millis": 1540073112332,
        "expiry_date": "2018-11-19T22:05:12.332Z",
        "expiry_date_in_millis": 1542665112332,
        "max_nodes": 1000,
        "issued_to": "test",
        "issuer": "elasticsearch",
        "start_date_in_millis": -1
    }
}

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[[java-rest-high-get-license]]
=== Get License

[[java-rest-high-get-license-execution]]
==== Execution

The license can be added or updated using the `getLicense()` method:

["source","java",subs="attributes,callouts,macros"]

--------------------------------------------------
include-tagged::{doc-tests}/LicensingDocumentationIT.java[get-license-execute]
--------------------------------------------------

[[java-rest-high-get-license-response]]
==== Response

The returned `GetLicenseResponse` contains the license in the JSON format.

["source","java",subs="attributes,callouts,macros"]

--------------------------------------------------
include-tagged::{doc-tests}/LicensingDocumentationIT.java[get-license-response]
--------------------------------------------------

<1> The text of the license.

[[java-rest-high-get-license-async]]
==== Asynchronous Execution

This request can be executed asynchronously:
The `GetLicenseRequest` to execute and the `ActionListener` to use when the execution completes.

The asynchronous method does not block and returns immediately. Once it is completed the `ActionListener` is called back using the `onResponse` method if the execution successfully completed or using the `onFailure` method if it failed.

A typical listener for `GetLicenseResponse` looks like:

```java
include-tagged::{doc-tests}/LicensingDocumentationIT.java[get-license-execute-listener]
```

- Called when the execution is successfully completed. The response is provided as an argument
- Called in case of failure. The raised exception is provided as an argument

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[[java-rest-high-put-license]]

=== Update License

[[java-rest-high-put-license-execution]]

==== Execution

The license can be added or updated using the `putLicense()` method:

["source","java",subs="attributes,callouts,macros"]

-----------------------------------
include-tagged::{doc-tests}/LicensingDocumentationIT.java[put-license-execute]

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

<1> Set the categories of information to retrieve. The default is to return no information which is useful for checking if {xpack} is installed but not much else.

<2> A JSON document containing the license information.

[[java-rest-high-put-license-response]]

==== Response

The returned `PutLicenseResponse` contains the `LicensesStatus`, `acknowledged` flag and possible acknowledge messages. The acknowledge messages are present if you previously had a license with more features than one you are trying to update and you didn't set the `acknowledge` flag to `true`. In this case you need to display the messages to the end user and if they agree, resubmit the license with the `acknowledge` flag set to `true`. Please note that the request will
still return a 200 return code even if requires an acknowledgement. So, it is necessary to check the `acknowledged` flag.

```java
"source", "java", subs="attributes,callouts,macros"
```

------------------------
include-tagged:::{doc-tests}/LicensingDocumentationIT.java[put-license-response]
------------------------

<1> The status of the license
<2> Make sure that the license is valid.
<3> Check the acknowledge flag. It should be true if license is acknowledged.
<4> Otherwise we can see the acknowledge messages in `acknowledgeHeader()`
<5> and check component-specific messages in `acknowledgeMessages()`.

```java
[java-rest-high-put-license-async]
```

==== Asynchronous Execution

This request can be executed asynchronously:

```java
"source", "java", subs="attributes,callouts,macros"
```

------------------------
include-tagged:::{doc-tests}/LicensingDocumentationIT.java[put-license-execute-async]
------------------------

<1> The `PutLicenseRequest` to execute and the `ActionListener` to use when the execution completes

The asynchronous method does not block and returns immediately. Once it is completed the `ActionListener` is called back using the `onResponse` method if the execution successfully completed or using the `onFailure` method if it failed.

A typical listener for `PutLicenseResponse` looks like:

```java
"source", "java", subs="attributes,callouts,macros"
```

------------------------
include-tagged:::{doc-tests}/LicensingDocumentationIT.java[put-license-execute-listener]
------------------------

<1> Called when the execution is successfully completed. The response is provided as an argument
<2> Called in case of failure. The raised exception is provided as an argument

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It was formerly available from http://java-unrar.svn.sourceforge.net/

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  acknowledge: true
  body: |
  {"licenses":[{"uid":"3aa62ffe-36e1-4fad-bfcd-9dff8301eb22","type":"trial","issue_date_in_millis":1523456691721,"expiry_date_in_millis":1838816691721,"max_nodes":5,"issued_to":"customer","issuer":"elasticsearch","signature":"AAAAABAAAAA2kWNcu+DT0lrlmYZKAAAAAo5/x6hrsGh1GqqrJmy4gmEC7gK0U4zQ6q5ZEMhm4jAAAAABEn6fG9y2VxBu2T3D5hhf56kzOQODCOdh0y2d17ZSIJMZRq07ZywPCWNSlarna33GhflkTER0ysML0xMH/gxavhRvMBndJj0UBKzuwpTawSmxYtcoQnsNBlvC7KiuJSpAIULC2ZP9fnkRlwXgBIyf7ym7xnZgu9DKqOWru/rTPObo7jcePl8VK6nWFen7/hCFDQTUFZ0Qvd+nq7A1PAcHGNxGfdbMVMxACXGwKpFT3clo9/vadgo+iSNyh1sPq9mN7gwsvBAKtA1FrpH2EXYYbfOspBvuMhYMrElLv0k3/CbS0pCWLKOaX1xTMayosdZOjagU3auZXY=","start_date_in_millis":-1}]}---

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## license version: 1.x
- do:
  xpack.license.post:
    acknowledge: true
    body: |
    
    
    
    
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- match: { license_status: "valid" }
- do:
  xpack.license.get: {}
- length: { license: 11 }

## multiple licenses version: 1.x
- do:
  xpack.license.post:
    acknowledge: true
    body: |
    
    
    
    
    - "licenses": [{"uid": "893361dc-9749-4997-93cb-802e3c7df4a8","type": "internal","subscription_type": "none","issue_date_in_millis": 1411948800000,"feature": "shield","expiry_date_in_millis": 1440892799999,"max_nodes": 1,"issued_to": "issuedTo","issuer": "issuer","signature": "A AAAAQAQA AA04QKay3rFyyWLFkymeAAABmC9ZN0n0hzDBUGYvNyRXpC0W5Bb3FjZDAxOWpSbtVomMVZ
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wKXu11wnSeIr4l/1KlduQTFiLY0+1t878VST8T8UT"} ]

- match: { license_status: "valid" }
- do:
  xpack.license.get: {}
"Should throw 404 after license deletion":
  - do:
    xpack.license.delete: {}

"Should install a feature type license":
  # VERSION_NO_FEATURE_TYPE license version
  - do:
    xpack.license.post:
      acknowledge: true
      body: |
        
"license": {"uid":"893361dc-9749-4997-93cb-802e3dofh7aa"}
OEhQuaVB2azhmUk9QVzhFeTFoM1Q0RaJXSG53MWk2K055c28zSmRnVkf1b2JSQkFLv2VUXUmVHDNZ2R3o2VE1qhbVQS21xOHN5bUeRZ1NlwKZvSmZlWEtuSU9wTTJENDVvT1NCYklacUYyK2FwRW9xa0t6ddMbbMzMxG3Qc3FWOTggz3ZUCxMvQkt2RUZwMFJnZvl2d2bdDRWuzh6U5gdpENGWFRaeXNNKneE9PQAAAQBCe8GfzDm6T5371uuvjetb3x5dvg0K5NQapv+rcZwCFQgCuzbF8pkgetP1aAGZP4uRESDPQMIOCx4d0UqqAm97TGB0Q393P+PogInPFeEH9NvomaAQqvmxVM9SE6DsDq1X4cXSO+bgWpXPTd2LmposQc1FX6dBZ8GeuyYpVHVKe9hVU0tAYjw6HzYOE7+zuolOJYoExlq66afkVHRvi+fym3e7tDTgSDRaz7W3iBhaqiSmtEqabEkvHdPHQdsR99XGaEvHo1paK01/35iZf6OXHsF7CCj+558GRXiVxzueOe7TsGSSt8g7YjZwV9bRCUYo7b4B/nidgI"}

- match: { license_status: "valid" }

- do:
xpack.license.get: {}

- length: { license: 11 }
---
"Cannot start basic":
- do:
catch: bad_request
xpack.license.post:
acknowledge: true
body: |
{"license":{"uid":"893361dc-9749-4997-93cb-802e3d74a48","type":"basic","issue_date_in_millis":1411948800000,"expiry_date_in_millis":1914278399999,"max_nodes":1,"issuedTo":"issuer","issue":true,"signature":"AAAAAgAAAA0lKPZ0a7aZquUltho/AAABV9ZN0hjZDBGYnVrXpxCOW5Bb3fjZDAXOWpBbTVoMVZwUzRxVkJPSmxxakxZdW51MhTHNoN1N2XMvRFk4d3T2E3x3R3RRZ0pzU3loWJKZnQvSEFva0ppTHBkWkprZWZQIiNnU4Rknw1S1pLN01DaIzCS095MXRGN11IZpYcVTTThFrcTE2dzhJZmZrdFqRn33jQeGwxbOUMXZ0dDHSERiZTtLOHvNzSDByWnpoZEplZHBEZjUrTVbXRENSXNsWVvUjJlJaODzVmEzUjNiwKtWNWGM5TUQVQV2plaUo4Q1JOuml4MXNuL0pSOEhQaVB2a8hmnUkQVyzFe7foM1Q0RaJXSG53MWk2K055c28zSmRnVkf1b2JSQkFLV2VUXUmVHDNZ2R3o2VE1qRbVQS21xOHN5bUeRZ1NlwKZvSmZlWEtuSU9wTTJENDVvT1NCYklacUYyK2FwRW9xa0t6ddMbbMzMxG3Qc3FWOTggz3ZUCxMvQkt2RUZwMFJnZvl2d2bdDRWuzh6U5gdpENGWFRaeXNNKneE9PQAAAQBCe8GfzDm6T5371uuvjetb3x5dvg0K5NQapv+rcZwCFQgCuzbF8pkgetP1aAGZP4uRESDPQMIOCx4d0UqqAm97TGB0Q393P+PogInPFeEH9NvomaAQqvmxVM9SE6DsDq1X4cXSO+bgWpXPTd2LmposQc1FX6dBZ8GeuyYpVHVKe9hVU0tAYjw6HzYOE7+zuolOJYoExlq66afkVHRvi+fym3e7tDTgSDRaz7W3iBhaqiSmtEqabEkvHdPHQdsR99XGaEvHo1paK01/35iZf6OXHsF7CCj+558GRXiVxzueOe7TsGSSt8g7YjZwV9bRCUYo7b4B/nidgI"}

- match: { error.root_cause.0.reason: 'Installing basic licenses is no longer allowed. Use the POST /_xpack/license/start_basic API to install a basic license that does not expire.' }

---
"Should fail gracefully when body content is not provided":
- do:
catch: bad_request
xpack.license.post:
acknowledge: true
- match: { error.root_cause.0.reason: 'The license must be provided in the request body' }

"Current license is trial means not eligible to start trial":

- do:
  xpack.license.get_trial_status: {}

- match: { eligible_to_start_trial: false }

- do:
  xpack.license.post_start_basic:
    acknowledge: true

- match: { basic_was_started: true }

- do:
  xpack.license.get_trial_status: {}

- match: { eligible_to_start_trial: false }

- do:
  catch: forbidden
  xpack.license.post_start_trial:
    acknowledge: true

- match: { trial_was_started: false }
- match: { error_message: "Operation failed: Trial was already activated." }

"Trial license cannot be basic":

- do:
  catch: bad_request
  xpack.license.post_start_trial:
    type: "basic"
    acknowledge: true

"Can start basic license if do not already have basic":

- do:
  xpack.license.get_basic_status: {}

- match: { eligible_to_start_basic: true }

- do:
  xpack.license.post_start_basic:
    acknowledge: true

- match: { basic_was_started: true }
- match: { acknowledged: true }
- do:
  xpack.license.get_basic_status: {}

- match: { eligible_to_start_basic: false }

- do:
  catch: forbidden
  xpack.license.post_start_basic: {}

- match: { basic_was_started: false }
- match: { acknowledged: true }
- match: { error_message: "Operation failed: Current license is basic." }

---

"Must acknowledge to start basic":
- do:
  xpack.license.post_start_basic: {}

- match: { basic_was_started: false }
- match: { acknowledged: false }
- match: { error_message: "Operation failed: Needs acknowledgement." }

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1.2412 libcurl 7.61.1-14.el8_3.1
1.2412.1 Available under license :
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=================
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

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### 1.2413 babel-preset-react 6.24.1

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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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</tr>
<tr>
<td>2.1.3 2.1.2 2002</td>
<td>PSF</td>
<td>yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.2 and above 2.1.1 2001-now</td>
<td>PSF</td>
<td>yes</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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1.2416 commons-text 1.6

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1.2417 Jinja2 3.0.0

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Metadata-Version: 2.1
Name: Jinja2
Version: 3.0.0
Summary: A very fast and expressive template engine.
Home-page: https://palletsprojects.com/p/jinja/
Author: Armin Ronacher
Author-email: armin.ronacher@active-4.com
Maintainer: Pallets
Maintainer-email: contact@palletsprojects.com
License: BSD-3-Clause
Project-URL: Changes, https://jinja.palletsprojects.com/changes/
Project-URL: Twitter, https://twitter.com/PalletsTeam
Project-URL: Chat, https://discord.gg/pallets
Description: Jinja

======
Jinja is a fast, expressive, extensible templating engine. Special placeholders in the template allow writing code similar to Python syntax. Then the template is passed data to render the final document.

It includes:

- Template inheritance and inclusion.
- Define and import macros within templates.
- HTML templates can use autoescaping to prevent XSS from untrusted user input.
- A sandboxed environment can safely render untrusted templates.
- AsyncIO support for generating templates and calling async functions.
- I18N support with Babel.
- Templates are compiled to optimized Python code just-in-time and cached, or can be compiled ahead-of-time.
- Exceptions point to the correct line in templates to make debugging easier.
- Extensible filters, tests, functions, and even syntax.

Jinja's philosophy is that while application logic belongs in Python if possible, it shouldn't make the template designer's job difficult by restricting functionality too much.

Installing
---------

Install and update using `pip`:

.. code-block:: text

    $ pip install -U Jinja2


In A Nutshell
-------------

.. code-block:: jinja

    {% extends "base.html" %}
    {% block title %}Members{% endblock %}
    {% block content %}
        <ul>
        {% for user in users %}
            <li><a href="{{ user.url }}">{{ user.username }}</a></li>
        {% endfor %}
        </ul>
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- Documentation: https://jinja.palletsprojects.com/
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- Source Code: https://github.com/pallets/jinja/
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Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
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Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python
Classifier: Topic :: Internet :: WWW/HTTP :: Dynamic Content
Classifier: Topic :: Text Processing :: Markup :: HTML
Requires-Python: >=3.6
Description-Content-Type: text/x-rst
Provides-Extra: i18n

Found in path(s):
* /opt/cola/permits/1172084686_1623219318.34/0/jinja2-3.0.0-1-tar-gz/Jinja2-3.0.0/src/Jinja2.egg-info/PKG-INFO
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[metadata]
name = Jinja2
version = attr: jinja2.__version__
url = https://palletsprojects.com/p/jinja/
project_urls =
    Donate = https://palletsprojects.com/donate
    Documentation = https://jinja.palletsprojects.com/
    Changes = https://jinja.palletsprojects.com/changes/
    Source Code = https://github.com/pallets/jinja/
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    Twitter = https://twitter.com/PalletsTeam
    Chat = https://discord.gg/pallets
license = BSD-3-Clause
license_files = LICENSE.rst
author = Armin Ronacher
author_email = armin.ronacher@active-4.com
maintainer = Pallets
maintainer_email = contact@palletsprojects.com
description = A very fast and expressive template engine.
long_description = file: README.rst
long_description_content_type = text/x-rst
classifiers =
  Development Status :: 5 - Production/Stable
  Environment :: Web Environment
  Intended Audience :: Developers
  License :: OSI Approved :: BSD License
  Operating System :: OS Independent
  Programming Language :: Python
  Topic :: Internet :: WWW/HTTP :: Dynamic Content
  Topic :: Text Processing :: Markup :: HTML

[options]
packages = find:
  package_dir = = src
  include_package_data = true
  python_requires = >= 3.6

[options.packages.find]
where = src

[options.entry_points]
babel.extractors =
jinja2 = jinja2.ext:babel_extract[i18n]

[tool:pytest]
testpaths = tests
  filterwarnings = error

[coverage:run]
branch = True
source =
jinja2
tests

[coverage:paths]
source =
  src
  */site-packages

[flake8]
select = B, E, F, W, B9, ISC
ignore =
  E203
  E501
max-line-length = 80
per-file-ignores =
src/jinja2/__init__.py: F401

files = src/jinja2
python_version = 3.6
disallow_subclassing_any = True
disallow_untyped_calls = True
disallow_untyped defs = True
disallow_incomplete_defs = True
no_implicit_optional = True
local_partial_types = True
no_implicit_reexport = True
strict_equality = True
warn_redundant_casts = True
warn_unused_configs = True
warn_unused_ignores = True
warn_return_any = True
warn_unreachable = True

no_implicit_reexport = False

no_implicit_reexport = False

tag_build =
tag_date = 0

* /opt/cola/permits/1172084686_1623219318.34/0/jinja2-3.0.0-1-tar-gz/Jinja2-3.0.0/setup.cfg

1.2418 influxdb-sidecar 1.7.22
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Installation
+ Requires : Maglev app server
    nose

- install the maglev_appserver wheel
- for development one can do python setup.py develop. this creates a symlink and therefore we do not need to install the whl for every small change
- to run the test we need to gradle :influxdb_sidecar:test

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  zip/inputdir/packages_extracted/targz/1/packages_extracted/3/packages_extracted/3/packages_extracted/36/influxdb _sidecar-1.7.22.dist-info/METADATA

1.2419 jetty-http 9.2.15.v20160210

1.2420 readline 6.3.008-r4
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Upstream source:
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Author: Per Bothner

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Upstream Authors:

Chet Ramey <chet.ramey@case.edu>
Jeff Solomon <jsolomon@stanford.edu> (examples/excallback.c)
Harold Levy <Harold.Levy@synopsys.com> (examples/rl-fgets.c)
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1.2421 microdnf 3.0.1-3.el8

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Version 3, 29 June 2007

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1.2422 wcwidth 1.0.1
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1.2423 maglev-manifest-converter 1.5.4

1.2423.1 Available under license:
No license file was found, but licenses were detected in source scan.

Metadata-Version: 2.0
Name: maglev-manifest-converter
Version: 1.5.4
Summary: Maglev Manifest Converter (1.5.4)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: coverage

# Installation
+ Requires : Python 3.5

1. gradle dist
1.2424 rss 0.2.8

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1.2425 python-minimal 3.7.3-1

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

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py3compile, py3clean and debpython module:
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1.2426 util-linux 2.31.1 0.4ubuntu3.7

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package gnu.classpath.tools.taglets;

import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.javadoc.Tag;

/**
 *  A simple Taglet which handles Copyright information.
 */
public class CopyrightTaglet implements Taglet {

    private static final String NAME = "copyright";
    private static final String HEADER = "Copyright:";

    public String getName() {
        return NAME;
    }

    public boolean inField() {
        return true;
    }

    public boolean inConstructor() {
        return true;
    }

    public boolean inMethod() {
        return true;
    }

    public boolean inOverview() {
        return true;
    }
}
public boolean inPackage() {
return true;
}
public boolean inType() {
return true;
}
public boolean isInlineTag() {
return false;
}
public static void register(Map tagletMap) {
CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
}
public String toString(Tag tag) {
return toString(new Tag[] { tag });
}
public String toString(Tag[] tags) {
if (tags.length == 0) {
return null;
}
else {
boolean haveValidTag = false;
for (int i = 0; i < tags.length && !haveValidTag; ++i) {
if (tags[i].text().length() > 0) {
haveValidTag = true;
}
}
if (haveValidTag) {
StringBuffer result = new StringBuffer();
result.append("<dl>");
for (int i = 0; i < tags.length; i++) {
if (tags[i].text().length() > 0) {
result.append("<dt><i>Copyright &#169; " + tags[i].text() + "</i></dt>");
}
}
result.append("</dl>");
return result.toString();
}
else {
return null;
}

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// DO NOT EDIT THIS FILE - it is machine generated -*- c++ -*-

#ifndef __java_security_Permission__
define __java_security_Permission__

#pragma interface

#include <java/lang/Object.h>
extern "Java"
{
namespace java
{
namespace security
{
class Permission;
class PermissionCollection;
}
}
}

class java::security::Permission : public ::java::lang::Object
{

public:
Permission(::java::lang::String *);
virtual void checkGuard(::java::lang::Object *);
virtual jboolean implies(::java::security::Permission *) = 0;
virtual jboolean equals(::java::lang::Object *) = 0;
virtual jint hashCode() = 0;
virtual ::java::lang::String * getName();
virtual ::java::lang::String * getActions() = 0;
virtual ::java::security::PermissionCollection * newPermissionCollection();
virtual ::java::lang::String * toString();

private:

static const jlong serialVersionUID = -563657022231596674LL;
::java::lang::String * __attribute__((aligned(__alignof__( ::java::lang::Object)))) name;
public:
    static ::java::lang::Class class$;
};

#endif // __java_security_Permission__
ignore
@c Set file name and title for man page.
@setfilename gpl
@settitle GNU General Public License
@c man begin SEEALSO
gfdl(7), fsf-funding(7).
@c man end
@c man begin COPYRIGHT
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/* Permission.java -- The superclass for all permission objects

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exception statement from your version. */

package java.security;

import gnu.java.lang.CPStringBuilder;

import java.io.Serializable;

/**
 * This class is the abstract superclass of all classes that implement
 * the concept of a permission. A permission consists of a permission name
 * and optionally a list of actions that relate to the permission. The
 * actual meaning of the name of the permission is defined only in the
 * context of a subclass. It may name a resource to which access permissions
 * are granted (for example, the name of a file) or it might represent
 * something else entirely. Similarly, the action list only has meaning
 * within the context of a subclass. Some permission names may have no
 * actions associated with them. That is, you either have the permission
 * or you don't.
 *
 * <p>The most important method in this class is <code>implies</code>. This
 * checks whether if one has this permission, then the specified
 * permission is also implied. As a conceptual example, consider the
 * permissions "Read All Files" and "Read File foo". The permission
 * "Read All Files" implies that the caller has permission to read the
 * file foo.
 *
 * <p><code>Permission</code>'s must be immutable - do not change their
 * state after creation.
 *
 * @author Aaron M. Renn (arenn@urbanophile.com)
 * @see Permissions
 * @see PermissionCollection
 * @since 1.1
 * @status updated to 1.4
 */
public abstract class Permission implements Guard, Serializable {

    /**
     * Compatible with JDK 1.1+
     */

private static final long serialVersionUID = -563657022231596674L;

/**
 * This is the name assigned to this permission object.
 * @serial the name of the permission
 */
private String name;

/**
 * Create an instance with the specified name.
 * @param name the permission name
 */
public Permission(String name)
{
    this.name = name;
}

/**
 * This method implements the <code>Guard</code> interface for this class.
 * It calls the <code>checkPermission</code> method in
 * <code>SecurityManager</code> with this <code>Permission</code> as its
 * argument. This method returns silently if the security check succeeds
 * or throws an exception if it fails.
 * @param obj the <code>Object</code> being guarded - ignored by this class
 * @throws SecurityException if the security check fails
 * @see GuardedObject
 * @see SecurityManager#checkPermission(Permission)
 */
public void checkGuard(Object obj)
{
    SecurityManager sm = System.getSecurityManager();
    if (sm != null)
        sm.checkPermission(this);
}

/**
 * This method tests whether this <code>Permission</code> implies that the
 * specified <code>Permission</code> is also granted.
 * @param perm the <code>Permission</code> to test against
 * @return true if perm is implied by this
 */
public abstract boolean implies(Permission perm);
* Check to see if this object equals obj. Use <code>equals</code>, rather * than <code>equals</code>, when making access control decisions.
*
* @param obj the object to compare to
*/
public abstract boolean equals(Object obj);

/**
 * This method returns a hash code for this <code>Permission</code>. It * must satisfy the contract of <code>Object.hashCode</code>: it must be * the same for all objects that equals considers to be the same.
* *
* @return a hash value
*/
public abstract int hashCode();

/**
 * Get the name of this <code>Permission</code>. *
* *
* @return the name
*/
public final String getName()
{
    return name;
}

/**
 * This method returns the list of actions for this <code>Permission</code> * as a <code>String</code>. The string should be in canonical order, for * example, both <code>new FilePermission(f, "write,read")</code> and * <code>new FilePermission(f, "read,write")</code> have the action list * "read,write".
* *
* @return the action list for this <code>Permission</code>
*/
public abstract String getActions();

/**
 * This method returns an empty <code>PermissionCollection</code> object * that can store permissions of this type, or <code>null</code> if no * such collection is defined. Subclasses must override this to provide * an appropriate collection when one is needed to accurately calculate * <code>implies</code>. *
* *
* @return a new <code>PermissionCollection</code>
*/
public PermissionCollection newPermissionCollection()
return null;
}

/**
 * This method returns a <code>String</code> representation of this
 * <code>Permission</code> object. This is in the format:
 * <code>'(' + getClass().getName() + ' ' + getName() + ' ' + getActions
 * + ')'</code>
 * *
 * @return this object as a <code>String</code>
 */
public String toString()
{
  CPStringBuilder string = new CPStringBuilder();

  string = string.append('(
  string = string.append(getClass().getName());
  string = string.append(' ');
  string = string.append(getName());

  if (!(getActions().equals("")))
  {
    string = string.append(' ');
    string = string.append(getActions());
  }

  string = string.append(')');
  return string.toString();
}
} // class Permission

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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.

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
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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.
</para>
</listitem>
<listitem>
<para>
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.
</para>
</listitem>
</orderedlist>
<para>
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.
</para>
<para>
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regardless of the status of the particular user or of the way in which the
particular user actually uses, or expects or is expected to use, the
product. A product is a consumer product regardless of whether the product
has substantial commercial, industrial or non-consumer uses, unless such
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</para>
<para>
Installation Information for a User Product means any methods,
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made.
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author</replaceable>
This program comes with ABSOLUTELY NO WARRANTY; for details type <literal>show w</literal>.
This is free software, and you are welcome to redistribute it
under certain conditions; type <literal>show c</literal> for details.

The hypothetical commands <literal>show w</literal> and
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#!/usr/bin/python
#
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#
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# it under the terms of the GNU General Public License as published by
# the Free Software Foundation; either version 3, or (at your option)
# any later version.
#
# This script adjusts the copyright notices at the top of source files
# so that they have the form:
#
# Copyright XXXX-YYYY Free Software Foundation, Inc.
#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
# update-copyright.pl --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
# update-copyright.pl --this-year libjava
#
# would run the script on just libjava/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.
import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__(self):
        self.num_errors = 0

    def report(self, filename, string):
        if filename:
            string = filename + ': ' + string
        sys.stderr.write(string + '\n')
        self.num_errors += 1

    def ok(self):
        return self.num_errors == 0

class GenericFilter:
    def __init__(self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set([
            # Skip licence files.
            'COPYING',
            'COPYING.LIB',
            'COPYING3',
            'COPYING3.LIB',
            'LICENSE',
            'fdl.texi',
            'gpl_v3.texi',
            'fdl-1.3.xml',
            'gpl-3.0.xml',

            # Skip auto- and libtool-related files
            'aclocal.m4',
            'compile',
            'config.guess',
            'config.sub',
            'depcomp',
            'install-sh',
            'libtool.m4',
        ])

Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 24877
def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile ('	')
    return None

def skip_file (self, dir, filename):
    if filename in self.skip_files:
        return True
    (base, extension) = os.path.splitext (os.path.join (dir, filename))
    if extension in self.skip_extensions:
        return True

    if extension == '.in':
        # Skip .in files produced by automake.
        if os.path.exists (base + '.am'):
            return True

    # Skip files produced by autogen
    if (os.path.exists (base + '.def')
        and os.path.exists (base + '.tpl')):
        return True
# Skip configure files produced by autoconf
if filename == 'configure':
    if os.path.exists (base + '.ac'):
        return True
    if os.path.exists (base + '.in'):
        return True
return False

def skip_dir (self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file (self, dir, filename):
    if filename in self.fossilised_files:
        return True
    # Only touch current current ChangeLogs.
    if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
        return True
    return False

def by_package_author (self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__ (self, errors):
        self.errors = errors

        # Characters in a range of years. Include '.' for typos.
        ranges = '[0-9][?:-0-9,.,\s]\s+and\s+[0-9]'

        # Non-whitespace characters in a copyright holder's name.
        name = '\[\w,.-\]'

        # Matches one year.
        self.year_re = re.compile ('[0-9]+')

        # Matches part of a year or copyright holder.
        self.continuation_re = re.compile (ranges + '|' + name)

        # Matches a full copyright notice:
        self.copyright_re = re.compile ( # 1: 'Copyright (C)', etc.
            '([^Cc]opyright')
            '([^Cc]opyright\s+\(\[Cc]\))'
            '([^Cc]opyright\s+%s')
            '([^Cc]opyright\s+&copy\s*')
            '([^Cc]opyright\s+@copyright\s\)')
            'copyright = u"'}
'[@set\s+copyright\[w-\]+]'

# 2: the years. Include the whitespace in the year, so that
# we can remove any excess.
'(\s*\(?:' + ranges + ')?
'[@value\{|[^{}]*\})\s*]'

# 3: 'by ', if used
'(by\s+)?'

# 4: the copyright holder. Don't allow multiple consecutive
# spaces, so that right-margin gloss doesn't get caught
# (e.g. gnat_ugn.texi).
'(\s*\(?:' + name + '(?:\s?' + name + ')\))?')

# A regexp for notices that might have slipped by. Just matching
# 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
# HTML header markers, so check for 'copyright' and two digits.
self.other_copyright_re = re.compile ('copyright.*[0-9][0-9]',
    re.IGNORECASE)
self.comment_re = re.compile('#+|[*]+|;+|%+|//+|@c |dnl ')

self.holders = { '@copying': '@copying' }
self.holder_prefixes = set()

# True to 'quilt add' files before changing them.
self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s). Could be ', '.
self.separator = ','

def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find (' ')
    while index >= 0:
        self.holder_prefixes.add (holder[:index])
        index = holder.find (' ', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__ (self, year):
        self.year = year
def __str__ (self):
    return 'unrecognised year: ' + self.year

def parse_year (self, string):
    year = int (string)
    if len (string) == 2:
        if year > 70:
            return year + 1900
    elif len (string) == 4:
        return year
    raise self.BadYear (string)

def year_range (self, years):
    year_list = [self.parse_year (year)
                 for year in self.year_re.findall (years)]
    assert len (year_list) > 0
    return (min (year_list), max (year_list))

def set_use_quilt (self, use_quilt):
    self.use_quilt = use_quilt

def include_year (self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years (self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith ('@value'):
        return years
    (min_year, max_year) = self.year_range (years)
    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file (dir, filename):
        max_year = max (max_year, self.max_year)
    # Use a range.
    if min_year == max_year:
        return '%d' % min_year
    else:
        return '%d-%d' % (min_year, max_year)

def strip_continuation (self, line):
    line = line.lstrip()
    match = self.comment_re.match (line)
    if match:
        line = line[match.end():].lstrip()
return line

def is_complete (self, match):
    holder = match.group (4)
    return (holder
        and (holder not in self.holder_prefixes
            or holder in self.holders))

def update_copyright (self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join (dir, filename)

    intro = match.group (1)
    if intro.startswith ('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end (2):].strip()
        if after_years != ':
            self.errors.report (pathname,
                'trailing characters in @set: ' + after_years)
            return (False, orig_line, next_line)
        else:
            # If it looks like the copyright is incomplete, add the next line.
            while not self.is_complete (match):
                try:
                    next_line = file.next()
                except StopIteration:
                    break
                continuation = self.strip_continuation (next_line)
                if not self.continuation_re.match (continuation):
                    break
            # Merge the lines for matching purposes.
            orig_line += next_line
            line = line.rstrip() + ' ' + continuation
            next_line = None

            # Rematch with the longer line, at the original position.
            match = self.copyright_re.match (line, match.start())
            assert match

            holder = match.group (4)

            # Use the filter to test cases where markup is getting in the way.
if filter.by_package_author (dir, filename):
    assert holder not in self.holders

elif not holder:
    self.errors.report (pathname, 'missing copyright holder')
    return (False, orig_line, next_line)

elif holder not in self.holders:
    self.errors.report (pathname, 'unrecognised copyright holder: ' + holder)
    return (False, orig_line, next_line)

else:
    # See whether the copyright is associated with the package
    # author.
    canon_form = self.holders[holder]
    if not canon_form:
        return (False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
    line = (line[:match.start (4)]
        + canon_form
        + line[match.end (4):])

    # Remove any 'by'
    line = line[:match.start (3)] + line[match.end (3):]

    # Update the copyright years.
    years = match.group (2).strip()
    try:
        canon_form = self.canonicalise_years (dir, filename, filter, years)
    except self.BadYear as e:
        self.errors.report (pathname, str (e))
        return (False, orig_line, next_line)

    line = (line[:match.start (2)]
        + ('' if intro.startswith ('copyright = ') else ' ')
        + canon_form + self.separator
        + line[match.end (2):])

    # Use the standard (C) form.
    if intro.endswith ('right'):
        intro += ' (C)'
    elif intro.endswith ('(c)'):
        intro = intro[:-3] + '(C)'
    line = line[:match.start (1)] + intro + line[match.end (1):]

    # Strip trailing whitespace
line = line.rstrip() + 'n'

return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)
        except OSError:
            pass
        return

    lines = []
    changed = False
    line_filter = filter.get_line_filter (dir, filename)
    with open (pathname, 'r') as file:
        prev = None
        for line in file:
            while line:
                next_line = None
                # Leave filtered-out lines alone.
                if not (line_filter and line_filter.match (line)):
                    match = self.copyright_re.search (line)
                    if match:
                        res = self.update_copyright (dir, filename, filter,
                                                     file, line, match)
                        (this_changed, line, next_line) = res
                        changed = changed or this_changed
                # Check for copyright lines that might have slipped by.
                elif self.other_copyright_re.search (line):
                    self.errors.report (pathname,
                                        'unrecognised copyright: %s'
                                        % line.strip())
                    lines.append (line)
                    line = next_line

    # If something changed, write the new file out.
    if changed and self.errors.ok():
        tmp_pathname = pathname + '.tmp'
        with open (tmp_pathname, 'w') as file:
            for line in lines:
                file.write (line)
        if self.use_quilt:
            subprocess.call (['quilt', 'add', pathname])
        os.rename (tmp_pathname, pathname)
def process_tree (self, tree, filter):
for (dir, subdirs, filenames) in os.walk (tree):
# Don't recurse through directories that should be skipped.
for i in xrange (len (subdirs) - 1, -1, -1):
if filter.skip_dir (dir, subdirs[i]):
del subdirs[i]
# Handle the files in this directory.
for filename in filenames:
if filter.skip_file (dir, filename):
sys.stdout.write ('Skipping %s\n'
% os.path.join (dir, filename))
else:
self.process_file (dir, filename, filter)
class CmdLine:
def __init__ (self, copyright = Copyright):
self.errors = Errors()
self.copyright = copyright (self.errors)
self.dirs = []
self.default_dirs = []
self.chosen_dirs = []
self.option_handlers = dict()
self.option_help = []
self.add_option ('--help', 'Print this help', self.o_help)
self.add_option ('--quilt', '"quilt add" files before changing them',
self.o_quilt)
self.add_option ('--this-year', 'Add the current year to every notice',
self.o_this_year)
def add_option (self, name, help, handler):
self.option_help.append ((name, help))
self.option_handlers[name] = handler
def add_dir (self, dir, filter = GenericFilter()):
self.dirs.append ((dir, filter))
def o_help (self, option = None):
sys.stdout.write ('Usage: %s [options] dir1 dir2...\n\n'
'Options:\n' % sys.argv[0])
format = '%-15s %s\n'
for (what, help) in self.option_help:
sys.stdout.write (format % (what, help))
sys.stdout.write ('\nDirectories:\n')
format = '%-25s'

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i = 0
for (dir, filter) in self.dirs:
    i += 1
    if i % 3 == 0 or i == len(self.dirs):
        sys.stdout.write(dir + '
')
    else:
        sys.stdout.write(format % dir)
sys.exit(0)

def o_quilt (self, option):
    self.copyright.set_use_quilt (True)

def o_this_year (self, option):
    self.copyright.include_year (time.localtime().tm_year)

def main (self):
    for arg in sys.argv[1:]:
        if arg[:1] != '-':
            self.chosen_dirs.append (arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg] (arg)
        else:
            self.errors.report (None, 'unrecognised option: ' + arg)
if self.errors.ok():
    if len (self.chosen_dirs) == 0:
        self.chosen_dirs = self.default_dirs
    if len (self.chosen_dirs) == 0:
        self.o_help()
    else:
        for chosen_dir in self.chosen_dirs:
            canon_dir = os.path.join (chosen_dir, '')
            count = 0
            for (dir, filter) in self.dirs:
                if (dir + os.sep).startswith (canon_dir):
                    count += 1
                    self.copyright.process_tree (dir, filter)
            if count == 0:
                self.errors.report (None, 'unrecognised directory: ' + chosen_dir)
            sys.exit (0 if self.errors.ok() else 1)

#----------------------------------------------------------------------

class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True

class ConfigFilter (GenericFilter):
def __init__(self):
    GenericFilter.__init__(self)

def skip_file(self, dir, filename):
    if filename.endswith('.m4'):
        pathname = os.path.join(dir, filename)
        with open(pathname) as file:
            # Skip files imported from gettext.
            if file.readline().find('gettext-') >= 0:
                return True
            return GenericFilter.skip_file(self, dir, filename)

class GCCFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_files |= set(['
            # Not part of GCC
            'math-68881.h',
        ])

        self.skip_dirs |= set(['
            # Better not create a merge nightmare for the GNAT folks.
            'ada',

            # Handled separately.
            'testsuite',
        ])

        self.skip_extensions |= set(['
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        ])

        self.fossilised_files |= set(['
            # Old news won't be updated.
            'ONEWS',
        ])

class TestsuiteFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_extensions |= set(['
            # Don't change the tests, which could be woend by anyone.
        '])

---
def skip_file (self, dir, filename):
    # g++.niklas/README contains historical copyright information
    # and isn't updated.
    if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
        return True
    return GenericFilter.skip_file (self, dir, filename)

class LibCppFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set ([
            # Maintained by the translation project.
            '.po',
            # Automatically-generated.
            '.pot',
        ])

class LibGCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ([
            # Imported from GLIBC.
            'soft-fp',
        ])

class LibJavaFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ([
            # Handled separately.
            'testsuite',
        ])
# Not really part of the library
'contrib',

# Imported from upstream
'classpath',
'libltdl',
)

def get_line_filter (self, dir, filename):
    if filename == 'NameDecoder.h':
        return re.compile ('.*NAME_COPYRIGHT')
    if filename == 'ICC_Profile.h':
        return re.compile ('.*icSigCopyrightTag')
    return GenericFilter.get_line_filter (self, dir, filename)

class LibMudflapFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set (
            # Handled separately.
            'testsuite',
        )

class LibStdCxxFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set (
            # Contains no copyright of its own, but quotes the GPL.
            'intro.xml',
        )

        self.skip_dirs |= set (
            # Contains automatically-generated sources.
            'html',
            # The testsuite data files shouldn't be changed.
            'data',
            # Contains imported images
            'images',
        )

        self.own_files |= set (
            # Contains markup around the copyright owner.
            'spine.xml',
        )
def get_line_filter(self, dir, filename):
    if filename == 'boost_concept_check.h':
        return re.compile('// \(C\) Copyright Jeremy Siek')
    return GenericFilter.get_line_filter(self, dir, filename)

class GCCCopyright (Copyright):
    def __init__(self, errors):
        Copyright.__init__(self, errors)
        canon_fsf = 'Free Software Foundation, Inc.'
        self.add_package_author('Free Software Foundation', canon_fsf)
        self.add_package_author('Free Software Foundation.', canon_fsf)
        self.add_package_author('Free Software Foundation Inc.', canon_fsf)
        self.add_package_author('Free Software Foundation, Inc', canon_fsf)
        self.add_package_author('Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author('The Free Software Foundation', canon_fsf)
        self.add_package_author('The Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author('Software Foundation, Inc.', canon_fsf)
        self.add_external_author('ARM')
        self.add_external_author('AdaCore')
        self.add_external_author('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
        self.add_external_author('Cavium Networks.')
        self.add_external_author('Faraday Technology Corp.')
        self.add_external_author('Florida State University')
        self.add_external_author('Greg Colvin and Beman Dawes.')
        self.add_external_author('Hewlett-Packard Company')
        self.add_external_author('Information Technology Industry Council.')
        self.add_external_author('James Theiler, Brian Gough')
        self.add_external_author('Makoto Matsumoto and Takuji Nishimura,')
        self.add_external_author('National Research Council of Canada.')
        self.add_external_author('Peter Dimov and Multi Media Ltd.')
        self.add_external_author('Peter Dimov')
        self.add_external_author('Pipeline Associates, Inc.')
        self.add_external_author('Regents of the University of California.')
        self.add_external_author('Silicon Graphics Computer Systems, Inc.')
        self.add_external_author('Silicon Graphics')
        self.add_external_author('Stephen L. Moshier')
        self.add_external_author('Sun Microsystems, Inc. All rights reserved.')
        self.add_external_author('The Go Authors. All rights reserved.')
        self.add_external_author('The Regents of the University of California.')
        self.add_external_author('Unicode, Inc.')
        self.add_external_author('University of Toronto."

class GCCCmdLine (_CmdLine):
def __init__(self):
    CmdLine.__init__(self, GCCCopyright)

    self.add_dir('.', TopLevelFilter())
    # boehm-gc is imported from upstream.
    self.add_dir('config', ConfigFilter())
    # contrib isn't really part of GCC.
    self.add_dir('fixincludes')
    self.add_dir('gcc', GCCFilter())
    self.add_dir(os.path.join('gcc', 'testsuite'), TestsuiteFilter())
    self.add_dir('gnattools')
    self.add_dir('include')
    self.add_dir('libada')
    self.add_dir('libatomic')
    self.add_dir('libbacktrace')
    self.add_dir('libcpp', LibCppFilter())
    self.add_dir('libdecnumber')
    # libffi is imported from upstream.
    self.add_dir('libgcc', LibGCCFilter())
    self.add_dir('libgfortran')
    self.add_dir('libgomp')
    self.add_dir('libiberty')
    self.add_dir('libitm')
    self.add_dir('libjava', LibJavaFilter())
    self.add_dir(os.path.join('libjava', 'testsuite'), TestsuiteFilter())
    self.add_dir('libmudflap', LibMudflapFilter())
    self.add_dir(os.path.join('libmudflap', 'testsuite'), TestsuiteFilter())
    self.add_dir('libobjc')
    self.add_dir('libquadmath')
    # libsanitizer is imported from upstream.
    self.add_dir('libssp')
    self.add_dir('libstdc++-v3', LibStdCxxFilter())
    self.add_dir('lto-plugin')
    # zlib is imported from upstream.

    self.default_dirs = [
        'gcc',
        'libada',
        'libatomic',
        'libbacktrace',
        'libcpp',
        'libdecnumber',
        'libgcc',
        'libgfortran',
        'libgomp',
        'libiberty',
        'libitm',
        'libmudflap',
    ]
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Version 2.1, February 1999

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using underscores, we are using prefix `.s to identify labels that should be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS */
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) /* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE,SIZE)  
fprintf (FILE, "\t.space \"HOST_WIDE_INT_PRINT_UNSIGNED\"\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED) 
  fputs (".comm \", (FILE)),
  assemble_name ((FILE), (NAME)),
  fprintf ((FILE), ",%u
", (int)(ROUNDED)))

/* This says how to output an assembler line to define a local common symbol. */
#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED)  
(fputs (".lcomm ", (FILE)),
  assemble_name ((FILE), (NAME)),
  fprintf ((FILE), ",%u
", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  
(fputs (".lcomm ", (FILE)),
  assemble_name ((FILE), (NAME)),
  fprintf ((FILE), ",%u,%u
", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line 
   that says to advance the location counter 
   to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG)	
if ((LOG)!=0) fprintf ((FILE), 	.align %d
", (LOG))

/* This is how to store into the string BUF 
   the symbol_ref name of an internal numbered label where 
   PREFIX is the class of label and NUM is the number within the class. 
   This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)	
sprintf ((BUF), 
*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX 

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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}
}
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{
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    virtual ::java::lang::String * toString() = 0;
    static ::java::lang::Class class$;
} __attribute__ ((java_interface));
#endif // __java_security_acl_Permission__

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

HISTORY -

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

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

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.
The SPARC specific code was originally contributed by Mark Weiser.
The Encore Multimax modifications were supplied by
Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely
due to Vernon Lee, on machines made available to Rice by IBM.
Much of the HP specific code and a number of good suggestions for improving the
generic code are due to Walter Underwood.
Robert Brazile (brazil@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@mtiame.mtia.oz.au), Michel Schinz, and
Martin Tauchmann (martintauchoffmann@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 Jansen (jansen@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 Detlfs(detlfs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks(age@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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 * This interface provides information about a permission that can be
 * granted. Note that this is <code>not</code> the same as the class
 * <code>java.security.Permission</code>.
 * 
 * @version 0.0
 * 
 * @author Aaron M. Renn (arenn@urbanophile.com)
 */
public interface Permission
{
/**
 * This method tests whether or not a specified <code>Permission</code>
 * (passed as an <code>Object</code>) is the same as this permission.
 * 
 * @param perm The permission to check for equality
 * 
 * @return <code>true</code> if the specified permission is the same as this one, <code>false</code> otherwise
 */
boolean equals (Object perm);

/**
 * This method returns this <code>Permission</code> as a <code>String</code>.
 * 
 * @return A <code>String</code> representing this permission.
 */
String toString();
}

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Version 3, 29 June 2007

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// DO NOT EDIT THIS FILE - it is machine generated -*- c++ -*-

#ifndef __gnu_javax_sound_AudioSecurityManager$Permission__
#define __gnu_javax_sound_AudioSecurityManager$Permission__

#pragma interface

#include <java/lang/Enum.h>
#include <gcj/array.h>

extern "Java"
{
namespace gnu
{
namespace javax
{
namespace sound
{
} // namespace sound
} // namespace javax
} // namespace gnu
} // extern "Java"
1.2430 python-subprocess32 3.2.7-3
1.2430.1 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 (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
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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1.2434 object.assign 4.0.4

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AES in libhcrypto

rijndael-alg-fst.c

@version 3.0 (December 2000)

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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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Windows support

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lib/hcrypto/test_dh.c

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# lodash v4.6.1

The lodash library exported as a [UMD] module.

Generated using lodash-cli:

```bash
$ npm run build
$ lodash -o ./dist/lodash.js
$ lodash core -o ./dist/lodash.core.js
```

## Community


## Documentation
## Download

Lodash is released under the [MIT license](https://raw.githubusercontent.com/lodash/lodash/4.6.1/LICENSE) & supports [modern environments](#support). Review the [build differences](https://github.com/lodash/lodash/wiki/build-differences) & pick one that’s right for you.

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- [CDN copies](https://www.jsdelivr.com/projects/lodash)

## Why Lodash?

Lodash makes JavaScript easier by taking the hassle out of working with arrays, numbers, objects, strings, etc. Lodash’s modular methods are great for:

- Iterating arrays, objects, & strings
- Manipulating & testing values
- Creating composite functions

## Module Formats

Lodash is available in a [variety of builds](https://lodash.com/custom-builds) & module formats.

- [lodash](https://www.npmjs.com/package/lodash) & [per method packages](https://www.npmjs.com/browse/keyword/lodash-modularized)
- [lodash-amd](https://www.npmjs.com/package/lodash-amd)
- [lodash/fp](https://github.com/lodash/lodash/tree/4.6.1-npm/fp)

## Further Reading

- [Contributing](https://github.com/lodash/lodash/blob/4.6.1/.github/CONTRIBUTING.md)
- [Release Notes](https://github.com/lodash/lodash/releases/tag/4.0.0)
- [Wiki (Changelog, Roadmap, etc.)](https://github.com/lodash/lodash/wiki)

Found in path(s):

* /opt/cola/permits/1128921452_1612120591.11/0/fis-components-lodash-baseisequal-3-0-7-0-gc5027b6-1-target.gz/fis-components-lodash_baseisequal-51158f9/README.md

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1.2443 ajv-keywords 3.2.0

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1.2444 ipset 6.38-1.2

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1.2449 libpcre 2:8.39 9

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This is Debian GNU/Linux's prepackaged version of the PCRE regular expression library and associated pgrep utility.

This package was put together by me, Mark Baker <mbaker@iee.org> from the original sources obtained from ftp.csx.cam.ac.uk:/pub/software/programming/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.

THE BASIC LIBRARY FUNCTIONS
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Written by: Philip Hazel
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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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[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.
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
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"work based on the library" and a "work that uses the library". The
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A "library" means a collection of software functions and/or data
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(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
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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
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covered by this License; they are outside its scope. The act of
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such a program is covered only if its contents constitute a work based
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2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

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

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

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

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

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the 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:

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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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.

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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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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:

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

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

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

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)
These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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

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

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

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

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

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

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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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1.2454 ubuntu-advantage-tools 17

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1. Introduction
---------------
Kernels more recent than 2.6.12 have dropped support for devfs, which means that initrd-tools can no longer be used to boot into an encrypted root partition. Instead, a similar functionality has been developed for use with an initramfs-image.

2. A fresh installation
-----------------------
If you plan to perform a completely new installation of Debian onto a machine and to do so using an encrypted root partition, you might want to consider using a version of Debian Installer with partman-crypto (see http://wiki.debian.org/DebianInstaller/PartmanCrypto).

The installation will then take care of all the details and perform the necessary configuration for you, meaning that you should not have to read the rest of this document to get a machine with an encrypted root filesystem up and running.

However, if you are not planning to perform a new installation from scratch, the following information might be useful to you.

3. Requirements
---------------
In order to boot from an encrypted root filesystem, you need an initramfs-image which includes the necessary kernel modules and scripts to setup the root device after the kernel has been initialized, but before the rest of the operating system is booted.

To do so, you need two partitions:
- an unencrypted /boot partition
- an encrypted / partition

In addition, you need to have both initramfs-tools and busybox installed.
NOTE: You should make sure that your swap partition is either encrypted, or that you are using a swap file on an encrypted partition, as crypto keys and other sensitive information might otherwise be written out to the swap partition in unencrypted form.

4. Setup (regular dm-crypt)
---------------------------
First of all, you must edit /etc/crypttab and add a line describing your root device, for example:

```
cryptroot /dev/hda2 none cipher=aes-cbc-essiv:sha256,size=256,hash=sha256
```

This will allow cryptsetup to create /dev/mapper/cryptroot from the encrypted partition /dev/hda2 during boot.

In addition, you must also make sure that the root device is listed in /etc/fstab, for example:

```
/dev/mapper/cryptroot / ext3 defaults 0 1
```

This will allow the initramfs support scripts to know which of the devices in the crypttab that is the root device.

After doing these changes, you should regenerate the initramfs by running "initramfs-update -u", then make sure that your boot loader is configured to feed the initramfs to the kernel when booting. The kernel root argument should also be changed to /dev/mapper/cryptroot.

Now, reboot the machine, and if everything is correctly configured, you should be given a prompt to type in the passphrase for the encrypted root partition before the boot can continue.

NOTE: the initramfs scripts default to using the sha256 hash function while the plain cryptsetup binary defaults to using the ripemd160 hash function. In order to ensure that the crypto setup works in a consistent manner, you should make sure that the hash function is specified in the /etc/crypttab file if you are using regular dm-crypt (with LUKS the hash function to use is stored in the LUKS header).

5. Setup (using LUKS)
---------------------
If you are using the LUKS feature of cryptsetup, the above setup recipe should still apply, but since most options can be derived from the information stored in the LUKS header on-disk, the line to add to /etc/crypttab should look something like this:
cryptroot /dev/sda2 none luks

6. Exotic key types
-------------------
The above examples assume that you use a regular passphrase as the key to the encrypted filesystem. However, if you wish to make use of more complex setups (such as root-key-on-usb-memory), you can create a script which does all the steps necessary to retrieve the key and then prints it to stdout.

Then add a keyscript=/path/to/your/script.sh to the options (fourth column) in the above mentioned /etc/crypttab line, so that it looks something like this:

cryptroot /dev/sda2 none luks,keyscript=/usr/local/sbin/cryptkey

Next, regenerate your initramfs image. This will copy the script into the initramfs image under the /keyscripts/ directory.

NOTE: there is a limited set of tools available when the script is executing as part of the initramfs bootup, you have to make sure that you do not use any tools which are not available or your script, and therefore boot, will fail.

7. "cryptopts" boot argument
----------------------------
In general, you should use the above approach with a line describing your root partition in /etc/crypttab and /etc/fstab. However, if for some reason you wish to override the settings that are derived from these files and stored in the initramfs image, you can use the "cryptopts" boot argument (this "*only*" works for the root partition).

The format of cryptopts is:
cryptopts=<opt1>=<value1>,<opt2>=<value2>...

Beside the "hash", "size", "cipher" and "lvm" options that correspond to the same options in the fourth field of /etc/crypttab, the options "target", "source" and "key" are also supported. They correspond to the first, second and third field of /etc/crypttab, respectively. See the crypttab man page for further details.

Several "cryptopts" boot arguments can also be specified in case more than one mapping needs to be setup in the initramfs stage of the boot.

Example boot arguments:
root=/dev/mapper/crypt0 cryptopts=target=crypt0,source=/dev/hda1,cipher=twofish
8. Resume device support

------------------------
The initramfs scripts will also try to automatically determine the devices, if any, that are used for software suspend (swsusp, suspend2 or uswsusp) and to set them up during the initramfs stage in order to allow suspend and resume in combination with encryption to keep the resume image safe from potential attackers.

If your resume device and your root partition use two different cryptsetup mappings, you might want to use the "decrypt_derived" keyscript as described below.

9. The "decrypt_derived" keyscript

Assume that you have two entries in /etc/crypttab:

cryptroot /dev/hda1 none luks
cryptswap /dev/hda2 none luks

If cryptswap is used as your suspend/resume device, you'd normally need to enter two different passphrases during the boot, but the "decrypt_derived" script can generate the key for the second mapping using a hash of the key for the first mapping.

In short, you'll need to do something like the following to take advantage of the decrypt Derived script:

1) swapoff -a
2) cryptsetup luksClose cryptswap
3) edit /etc/crypttab and change thecryptswap line to e.g.:
cryptswap /dev/hda2 cryptroot cipher=aes-cbc-essiv:sha256,size=256,hash=sha256,keyscript=/lib/cryptsetup/scripts/decrypt Derived,swap
4) /etc/init.d/cryptdisks start
5) Make sure that /dev/mapper/cryptswap has been created
6) swapon -a
7) (optional) update-initramfs -u

After you've followed the above steps, your swap device should be setup automatically after the root device has been setup during the boot stage.

WARNING: If you use the decrypt Derived keyscript for devices with persistent data (i.e. not swap or temp devices), then you will lose access to that data permanently if something damages the LUKS header of the LUKS device you derive from. The same applies if you luksFormat the device, even if you use the same passphrase(s). A LUKS header backup, or better a backup of the data on the derived device may be a good idea. See the Cryptsetup FAQ on how to do this right.
Note: If you don't use suspend device support, it's better to use completely random keys for your encrypted swap device. See the section '2. Encrypted swap partition(s)' in /usr/share/doc/cryptsetup/README.Debian for information on how to setup this.

10. The "passdev" keyscript
----------------------------
If you have a keyfile on a removable device (e.g. a USB-key), you can use the passdev keyscript. It will wait for the device to appear, mount it read-only, read the key and then unmount the device.

The "key" part of /etc/crypttab will be interpreted as <device>::<path>[::<timeout>], it is strongly recommended that you use one of the persistent device names from /dev/disk/*, e.g. /dev/disk/by-label/myusbkey.

This is an example of a suitable line in cryptsetup:

The above line would cause the boot to pause until /dev/disk/by-label/myusbkey appears in the fs, then mount that device and use the file /keys/root.key on the device as the key (without any hashing) as the key for the fs.

The timeout option has to be in seconds.

If any modules are required in order to mount the filesystem on the removable device, then initramfs-tools needs to be configured to add these modules to the initramfs. This can be done by listing the required modules in /etc/initramfs-tools/modules.

-- David H"rdeman <david@hardeman.nu>
openct with cryptsetup and luks in Debian
-----------------------------------------
This is a overview on how you can make use of cryptsetup with your smartcard device supported by openct. Please make sure that your smartcard reader or token is supposed to be operated with openct and not with opensc or pcscd. You can get some information about the supported hardware by openct at the following homepage:

<http://www.opensc-project.org/openct/>

This example is based on the ability of openct to store arbitrary data objects on the smartcard. Note that you therefore have to use openct in version 0.6.12 or newer, any versions before 0.6.12 do not properly support data objects.

Although this use case was done with the Aladdin eToken PRO 32k, an USB crypto token, this is a generic approach which works the same way with all supported
smartcard devices by openct.

First of all, you should plug in your crypto token into USB or whatever interface it uses and initialise the reader with the following command (as root):

```
# openct-control init
```

To check if your reader has been detected, you can run:

```
# openct-tool list
```

This should give you a similar result to this:

```
0 Aladdin eToken PRO
```

If you do not see any reader listed, you have a problem and should read again about the supported hardware on <http://www.opensc-project.org/openct/> and make sure you have the required support (e.g. USB) compiled into your kernel needed to connect to your token. If you use a pre-compiled kernel from Debian, everything is already built kernel-wise and you probably only need to load the module.

In case you want to erase your previously used smartcard, you can do that by executing the following command:

```
# pkcs15-init --erase-card
```

To setup the smartcard, you need to do the following:

```
# pkcs15-init --create-pkcs15
```

Caution: You are being asked about the 'Security Officer PIN' and the 'User unblocking PIN'. Although both of these pins are optional and can be left empty, you should never do this: In case the personal user pin is typed wrong for a given number (mostly three times), the smartcard is locked and can only be unlocked with the user unblocking pin. If you even mistype the user unblocking pin for a given number (mostly three times), the smartcard is locked and can only be unlocked with the security officer pin, which is the most superior pin in this hierarchy. With an unset (empty) security officer pin or user unblocking pin, depending on the smartcard, an attacker can have unlimited tries to crack your personal user pin, or, an attacker can simply make the smartcard unusable as it cannot be unlocked anymore at all.

To create a new identity on the smartcard, do the following:

```
# pkcs15-init --store-pin --auth-id 01 --label "Daniel Baumann"
```

If you have already one or more identities, you certainly want to bump the
auth-id here, and normally, the label used to describe the identify is the persons first and last name.

As we want to use the smartcard with luks, we first need to get some random data:

```
# dd if=/dev/random of=data.txt bs=1 count=32
```

And we store that random data as a data object to the private section of the smartcard with:

```
# pkcs15-init --store-data data.txt --auth-id 01
```

As of the time of writing, openct version 0.6.12 is available and does not support labelling different data objects. Once this gets fixed in openct upstream, you can store multiple data objects to the smartcard (create them by appending '--label foo' to the above command and replace foo with the label you want to use).

Then, read the random data from the smartcard in order...

```
# pkcs15-tool --read-data-object pkcs15-init -o /proc/self/fd/3 3>&1 1>&dev/null 2>&1
# pkcs15-tool --read-data-object pkcs15-init -o key.txt 1>/dev/null 2>&1
```

...to import that output to luks as a valid key (assumed that /dev/sda5 is your encrypted partition):

```
# cryptsetup luksAddKey /dev/sda5 key.txt
```

To tell cryptsetup to let you authenticate with the openct backend, you need to pass the respective decrypt script to it as a parameter in /etc/crypttab (assumed that /dev/sda5 is your encrypted partition):

```
sda5_crypt /dev/sda5 none luks,keysscript=/lib/cryptsetup/scripts/decrypt_openct
```

At the moment all data objects have the same label 'pkcs15-init'. Once openct supports labelling data objects, you can pass the respective label to openct with the key parameter in /etc/crypttab like this:

```
sda5_crypt /dev/sda5 none luks,keysscript=/lib/cryptsetup/scripts/decrypt_openct,key=foo
```

For the time being, 'pkcs15-init' is passed to openct when no key is specified.

Don't forget to backup key.txt to a save place and remove the temporary files afterwards:

```
# shred -uz key.txt data.txt
```
Caution: cryptsetup as of version 1.0.5-1 does not support fallback to passphrase if smartcard authentication fails (be it three times wrong pin or not compatible/not detected smartcard reader). That means, that for testing purposes, it is recommended to keep an initrd image in /boot available which does *not* use openc or opensc for authentication, so that you can change your bootloader configuration on the fly if something does not work out as expected. Therefore, copy your current initrd (the .bak backups from initramfs-tools can maybe get overwritten by update-initramfs during the setup of openc, so it is better to be on the save side):

```
# cp /boot/initrd.img-`uname -r` /boot/initrd.img-`uname -r`.temp
```

If you have completed all the steps up to now, you can update your initramfs image with:

```
# update-initramfs -u -k `uname -r`
```

and reboot your machine.

-- Daniel Baumann <baumann@swiss-it.ch>  Wed, 22 Aug 2007 10:36:00 +0200
Format: http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Contact: Milan Broz <mbroz@redhat.com>
Source: http://code.google.com/p/cryptsetup

Files: *
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Files: debian/scripts/cryptdisks_start
Copyright: 2007 Jon Dowland <jon@alcopop.org>
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Files: debian/scripts/luksformat
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decrypt_keyctl

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

A passphrase caching script to be used in /etc/crypttab on Debian and Ubuntu. When there are multiple cryptsetup (either plain or LUKS) volumes with the same passphrase, it is an unnecessary task to input the passphrase more than once.

Just add this script as keyscript to your /etc/crypttab and it will cache the passphrase of all crypttab entries with the same identifier.

Either copy decrypt_keyctl into the default search path for keyscripts from cryptsetup /lib/cryptdisks/scripts/. So you can just write keyscript=decrypt_keyctl in /etc/crypttab, or use a random path of your choice and give the full path e.g keyscript=/sbin/decrypt_keyctl.

Requirements
- Debian cryptsetup package with /etc/crypttab handling and keyscript option
  - Tested with Debian Lenny, Squeeze and Sid
  - Installed and working keyutils package (keyctl)
  - Needs CONFIG_KEYS=y in your kernel configuration

What For?

The current state for dm-crypt in Linux is that it is single threaded, thus every dm-crypt mapping only uses a single core for crypto operations.
To use the full power of your many-core processor it is thus necessary to split the dm-crypt device. For Linux software raid arrays the easiest segmentation is to just put the dm-crypt layer below the software raid layer.

But with a 5 disk raid5 it is a rather daunting task to input the passphrase five times.
This is what this keyscripts solve for you.

Usage

Best shown by example:
- 5 disks
- Linux software raid5

Layer:

```
    sda  sdb  sdc ... sde
+---------+   +---------+
| LUKS |   | LUKS |
| +---+ |   | +---+ |
| | RAID5 | | | RAID5 |
| | ... | | | ... |
```

Crypttab Entries:

```
<target>  <source>  <keyfile>  <options>
sda_crypt  /dev/sda2  main_data_raid  luks,keyscript=decrypt_keyctl
sdb_crypt  /dev/sdb2  main_data_raid  luks,keyscript=decrypt_keyctl
...
sde_crypt  /dev/sde2  main_data_raid  luks,keyscript=decrypt_keyctl
```

How does it work
Crypttab Interface:
A keyscript is added to options including a keyfile definition as third parameter in the crypttab file. The keyscript is called with the keyfile as the first and only parameter. Additionally there are a few environment variables set but currently are not used by this keyscript (man 5 crypttab for exact description).

Keyscript:
Keyctl_keyscript uses the Linux kernel keyring facility to securely cache passphrases between multiple invocations.
The keyfile parameter from crypttab is used to find the same passphrase between multiple invocations.

Currently the cache timeout is 60 seconds and not configurable (please report a bug if it is too low for you).

Problems
--------
- Passphrase is piped between processes and could end up in unsecured memory, thus later swapped to disk!
  => Use of cryptoswap recommend!

Hints
-----
To remove all traces of this keyscript you may want to cleanup the keyring completely with the following command afterwards:
  sudo keyctl clear @u

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openssl/pcscld with cryptsetup and LUKS on Debian
-----------------------------------------------

This is an overview on how you can make use of cryptsetup with your smartcard device supported by openssl/pcscld. If your reader is supported by openct please refer to the README.openct.gz in the cryptsetup docs.

I assume that you already have an initialized smartcard with a RSA key
that has the proper X509 properties for encryption set. To generate such a key in hardware on the smartcard you should execute the following command:

```bash
# pkcs15-init -G rsa/2048 -a [PIN id] -u sign,decrypt
```

If your smart card doesn't support 2048 bit RSA just change the argument to the largest size possible.

The `decrypt_opensc` keyscript decrypts an encrypted key in your boot partition with the private key on your smartcard. Therefore you have to create a key for the partition that is to be decrypted using the smartcard. As `pkcs15-crypt` does not seem to support PKCS1 padding, the key is required to have the same size as your RSA key. For a 2048 bit key use the following (the byte count is 256 as 2048/8 is 256):

```bash
# dd if=/dev/random of=/boot/keys/key bs=1 count=256
```

Now the key is added to the LUKS partition:

```bash
# cryptsetup luksAddKey /dev/sdXn /boot/keys/key
```

Enter an already existing pass phrase and watch cryptsetup doing its job. As we don't want the key in clear on the hard drive, we are going to encrypt it with the public key to the key on the smartcard. Read the public key first:

```bash
# pkcs15-tool --read-public-key [key id] -o pubkey
```

Then encrypt the random data with the extracted key, destroy the plain text one and remove your public key from the hard drive (it isn't necessary to shred it as a potential attacker can't use your public key for anything).

```bash
# openssl rsautl -in /boot/keys/key -inkey pubkey -pubin -raw \
-encrypt -out /boot/keys/root
# shred -u /boot/keys/key
# rm -rf pubkey
```

Now you'll have to edit `/etc/crypttab`. The format should be familiar but I'll state it here again:

```
name device /boot/keys/root luks, keyscript=/lib/cryptsetup/scripts/decrypt_opensc
```

The modules needed by the reader should now be added to `/etc/initramfs-tools/modules`, so they are loaded on boot time. For example `yenta_socket`, `pcmcia`, `pcmcia_core`, `serial_cs`, `rsrc_nonstatic` for PCMCIA card readers.
In a perfect world you would just rebuild the initramfs now and it would work. Unfortunately there are some additional issues to address. The most important one is pcscd. Newer versions of pcscd use HAL and dbus to detect readers. As most people (including me) aren't too enthusiastic about adding these two daemons to the initramfs, we will rebuild the daemon to use the traditional polling method with libusb. Again, this step is only necessary if your reader uses pcscd (for example the Gemalto PC Card readers).

To do this, download the ccid and pcsc-lite packages from

<pcsc-lite.alioth.debian.org>

Install the libusb header files, extract the tarballs and build pcscd with the following commands:

```bash
# apt-get install libusb-dev
# ./configure --disable-libhal --enable-libusb
# make
# make install
```

Now go to the ccid directory and execute these commands (the option is only need if you use the libccidtwin.so to access your reader:

```bash
# ./configure [--enable-twinserial]
# make
# make install
```

This installs the new pcscd and it's libraries in /usr/local/. To reflect the new situation we have to change the initramfs scripts. Edit /etc/reader.conf to instruct pcscd to use the new libraries (they should be in /usr/local/pcsc/drivers/) instead of the ones from the Debian package. Replace everything after line 45 in /usr/share/initramfs-tools/hooks/cryptopensc with the following chunk:

```bash
for dir in etc/opensc usr/local/pcsc var/run tmp ; do
  if [ ! -d ${DESTDIR}/${dir} ] ; then mkdir -p ${DESTDIR}/${dir} ; fi
done

# Install pcscd daemon, drivers, conf file, and include libgcc as
# well since
# pcscd utilizes pthread_cancel
copy_exec /usr/local/sbin/pcscd
cp -r /usr/local/pcsc ${DESTDIR}/usr/local
cp /etc/reader.conf ${DESTDIR}/etc
```

# Install opencsc commands and conf file
copy_exec /usr/bin/opensc-tool
copy_exec /usr/bin/pkcs15-crypt
cp /lib/libgcc_s.so.1 ${DESTDIR}/lib
cp /etc/opensc/opensc.conf ${DESTDIR}/etc/opensc

Edit /usr/share/initramfs-tools/scripts/local-bottom/cryptopensc and /usr/share/initramfs-tools/scripts/local-top/cryptopensc to use the new binary in /usr/local/sbin/pcscd instead of /usr/sbin/pcscd and change the path in the existence test to:

```
if [ ! -e /usr/local/sbin/pcscd ]; then
  exit 0
fi
```

If you have completed all the steps up to now, you can update your initramfs image with:

```
# update-initramfs -u -k `uname -r`
```

and reboot your machine. This leaves a backup of your old initramfs in the boot partition if something doesn't work. If you have to debug your initramfs during boot just append the "break=mount" option to the kernel to have a debug shell just before the root partition would be mounted.

-- Benjamin Kiessling <benjaminkiessling@bttec.org>, Sun, 26 Jul 2009
unlocking rootfs via ssh login in initramfs
-------------------------------------------
You can unlock your rootfs on bootup from remote, using ssh to log in to the booting system while it's running with the initramfs mounted.

Setup
-----

For remote unlocking to work, the following packages have to be installed before building the initramfs: dropbear busybox

The file /etc/initramfs-tools/initramfs.conf holds the configuration options used when building the initramfs. It should contain BUSYBOX=y (this is set as the default when the busybox package is installed) to have busybox installed into the initramfs, and should not contain DROPBEAR=n, which would disable installation of dropbear to initramfs. If set to DROPBEAR=y, dropbear will be installed in any case; if DROPBEAR isn't set at all, then dropbear will only be installed in case of an existing cryptroot setup.

The host keys used for the initramfs are dropbear_dss_host_key and dropbear_rsa_host_key, both located in/etc/initramfs-tools/etc/dropbear/.
If they do not exist when the initramfs is compiled, they will be created automatically. Following are the commands to create them manually:

# dropbearkey -t dss -f /etc/initramfs-tools/etc/dropbear/dropbear_dss_host_key
# dropbearkey -t rsa -f /etc/initramfs-tools/etc/dropbear/dropbear_rsa_host_key

As the initramfs will not be encrypted, publickey authentication is assumed.

The key(s) used for that will be taken from
/etc/initramfs-tools/root/.ssh/authorized_keys.

If this file doesn't exist when the initramfs is compiled, it will be created and /etc/initramfs-tools/root/.ssh/id_rsa.pub will be added to it.

If the latter file doesn't exist either, it will be generated automatically - you will find the matching private key which you will later need to log in to the initramfs under /etc/initramfs-tools/root/.ssh/id_rsa (or id_rsa.dropbear in case you need it in dropbear format). Following are the commands to do the respective steps manually:

To create a key (in dropbear format):

# dropbearkey -t rsa -f /etc/initramfs-tools/root/.ssh/id_rsa.dropbear

To convert the key from dropbear format to openssh format:

# /usr/lib/dropbear/dropbearconvert dropbear openssh \
/etc/initramfs-tools/root/.ssh/id_rsa.dropbear  \
/etc/initramfs-tools/root/.ssh/id_rsa

To extract the public key:

# dropbearkey -y -f /etc/initramfs-tools/root/.ssh/id_rsa.dropbear | \  
grep "^ssh-rsa " > /etc/initramfs-tools/root/.ssh/id_rsa.pub

To add the public key to the authorized_keys file:

# cat /etc/initramfs-tools/root/.ssh/id_rsa.pub >> /etc/initramfs-tools/root/.ssh/authorized_keys

In case you want some interface to get configured using dhcp, setting DEVICE= in /etc/initramfs-tools/initramfs.conf should be sufficient. The initramfs should also honour the ip= kernel parameter.

In case you use grub, you probably might want to set it in /boot/grub/menu.lst, either in the '# kopt=' line or appended to specific 'kernel' line(s). The ip= kernel parameter is documented in Documentation/nfsroot.txt in the kernel source tree.

Issues
-----
Don't forget to run update-initramfs when you changed the config to make it effective!

Collecting enough entropy for the ssh daemon sometimes seems to be an issue. Startup of the ssh daemon might be delayed until enough entropy has been retrieved. This is non-blocking for the startup process, so when you are at the console you won't have to wait for the ssdh to complete its startup.

Unlocking procedure
-------------------

To unlock from remote, you could do something like this:

```
# ssh -o "UserKnownHostsFile=~/.ssh/known_hosts.initramfs" \
-i "~/id_rsa.initramfs" root@initramfshost.example.com \ 
"echo -ne \"secret\" >/lib/cryptsetup/passfifo"
```

This example assumes that you have an extra known_hosts file
"~/.ssh/known_hosts.initramfs" which holds the cryptroot system's host-key, that you have a file "~/id_rsa.initramfs" which holds the authorized-key for the cryptroot system, that the cryptroot system's name is "initramfshost.example.com", and that the cryptroot passphrase is "secret"

-- <debian@x.ray.net>, Wed, 30 Sep 2009

1.2462 libssl-doc 1.0.2g-1ubuntu4.19
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1.2464 error_prone_annotations 2.0.18

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

HISTORY -

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

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

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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@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian DCarlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(age@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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Version 2.1, February 1999

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* m4/ax_func_which_gethostbyname_r.m4

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<tbody>
<tr>
<td>mach_override</td>
<td>lib/interception/mach_override</td>
</tr>
<tr>
<td>@ignore</td>
<td></td>
</tr>
<tr>
<td>@c Set file name and title for man page.</td>
<td></td>
</tr>
<tr>
<td>@setfilename gfdl</td>
<td></td>
</tr>
<tr>
<td>@settitle GNU Free Documentation License</td>
<td></td>
</tr>
<tr>
<td>@c man begin SEEALSO</td>
<td></td>
</tr>
<tr>
<td>gpl(7), fsf-funding(7).</td>
<td></td>
</tr>
<tr>
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<td></td>
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<tr>
<td>@c man begin COPYRIGHT</td>
<td></td>
</tr>
<tr>
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1.2477 jcip-annotation 1.0

1.2478 hosted-git-info 2.8.5
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1.2480 fontconfig-config 2.11.0-6.7

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1.2481 regexp-tree 0.1.1

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**1.2483 python3-secretstorage 2.3.1-2**

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1.2485 maglev 1.7.98

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Metadata-Version: 2.0
Name: maglev
Version: 1.7.98
Summary: Maglev Api Service (1.7.98)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: Jinja2 (==2.10)
Requires-Dist: PyJWT (==1.5.1)
Requires-Dist: PyYAML (==3.12)
Requires-Dist: croniter (==0.3.17)
Requires-Dist: cryptography (==2.1.4)
Requires-Dist: influxdb (==3.0.0)
Requires-Dist: ipcalc (==1.99.0)
Requires-Dist: kubernetes (==10.0.0)
Requires-Dist: maglev-api (==1.7.0)
Requires-Dist: maglev-appserver (==1.8.0)
Requires-Dist: maglev-common (==1.7.0)
Requires-Dist: maglev-internal-api (==1.7.0)
Requires-Dist: maglev-manifest-converter (~=1.7.0)
Requires-Dist: maglev-utils (~=1.7.0)
Requires-Dist: maglev-workflow (~=1.7.0)
Requires-Dist: psutil (==5.6.6)
Requires-Dist: pyOpenSSL (==16.2.0)
Requires-Dist: pycrypto (==2.6.1)
Requires-Dist: pykube (==0.15.1)
Requires-Dist: python-dateutil (==2.6.1)
Requires-Dist: setuptools (==51.1.2)

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+ Requires: Python 3.5 download the dmg and install, use pyenv to create a virtual environment

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zip/inputdir/packages_extracted/targz/1/packages_extracted/2/packages_extracted/4/packages_extracted/77/maglev-
1.7.98.dist-info/METADATA

1.2486 jline 2.11

1.2487 python-xdg 0.25-4

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

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1.2489 toidentifier 1.0.0

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1.2491 console-browserify 1.1.0

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1.2493 jetty-http 9.4.18.v20190429

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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

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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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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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[https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html](https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html)
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1.2494 passwd 1:4.4-4.1

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1.2496 http-parser-rb 0.6.0

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, 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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This is the Debian GNU/Linux prepackaged version of System V Init.

Init was written by Miquel van Smoorenburg <miquels@cistron.nl>.

This package was first put together by Bruce Perens <Bruce@Pixar.com> from pre-distribution sources. Ian Murdock <imurdock@debian.org> integrated it into the base system maintained it until the end of 1995. Miquel van Smoorenburg <miquels@cistron.nl> implemented Debian support. In version 2.85 the package was split into three (sysvinit, sysv-rc, and initscripts) in order to make room for alternative rc mechanisms.

The upstream source is available at:

Primary-Site:   ftp.cistron.nl /pub/people/miquels/software
  92K sysvinit-2.86.tar.gz
Alternate-Site: sunsite.unc.edu /pub/Linux/system/daemons/init
  92K sysvinit-2.86.tar.gz

Send patches to sysvinit-devel@nongnu.org.
The sysvinit package in Debian is maintained as an alioth project. The project page is http://alioth.debian.org/projects/pkg-sysvinit/.

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The of the start-stop-daemon:

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

This package contains the scripts that are executed at start and shutdown of Debian systems.

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The of the start-stop-daemon

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

This package contains the mechanism for executing the right scripts in the right order at bootup/shutdown time, and when changing runlevels. It works through managing symlinks in /etc/rc?.d

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1.2511 lodash-basecallback 3.3.1

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1.2512 backo2 1.0.2

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1.2513 jackson-core 2.10.4

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1.2514 libxdata 2:1.6.3 1ubuntu2.1

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package gnu.classpath.tools.taglets;

import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.javadoc.Tag;

/**
 * A simple Taglet which handles Copyright information.
 */
public class CopyrightTaglet implements Taglet {

    private static final String NAME = "copyright";
    private static final String HEADER = "Copyright:";

    public String getName() {
        return NAME;
    }

    public boolean inField() {
        return true;
    }

    public boolean inConstructor() {
        return true;
    }

    public boolean inMethod() {
        return true;
    }

    public boolean inOverview() {
        return true;
    }

    public boolean inPackage() {

return true;
}
public boolean inType() {
return true;
}
public boolean isInlineTag() {
return false;
}
public static void register(Map tagletMap) {
CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
}
public String toString(Tag tag) {
return toString(new Tag[] { tag });
}
public String toString(Tag[] tags) {
if (tags.length == 0) {
return null;
}
else {
boolean haveValidTag = false;
for (int i = 0; i < tags.length && !haveValidTag; ++i) {
if (tags[i].text().length() > 0) {
haveValidTag = true;
}
}
if (haveValidTag) {
StringBuffer result = new StringBuffer();
result.append("<dl>");
for (int i = 0; i < tags.length; i++) {
if (tags[i].text().length() > 0) {
result.append("<dt><i>Copyright &#169; " + tags[i].text() + "</i></dt>");
}
}
result.append("</dl>");
return result.toString();
}
else {
return null;
}
}
}

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    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.

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school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

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    <signature of Ty Coon>, 1 April 1989
    Ty Coon, President of Vice
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// DO NOT EDIT THIS FILE - it is machine generated -*- c++ -*-

#ifndef __java_security_Permission__
define __java_security_Permission__

#pragma interface

#include <java/lang/Object.h>
extern "Java"
{
namespace java
{
namespace security
{
    class Permission;
    class PermissionCollection;
}
}
}

class java::security::Permission : public java::lang::Object
{
public:
Permission(::java::lang::String *);
nombre::virtual void checkGuard(::java::lang::Object *);
nombre::virtual jboolean implies(::java::security::Permission *) = 0;
nombre::virtual jboolean equals(::java::lang::Object *) = 0;
nombre::virtual jint hashCode() = 0;
nombre::virtual ::java::lang::String * getName();
nombre::virtual ::java::lang::String * getActions() = 0;
nombre::virtual ::java::security::PermissionCollection * newPermissionCollection();
nombre::virtual ::java::lang::String * toString();
private:
static const jlong serialVersionUID = -5636570222231596674LL;
::java::lang::String * __attribute__((aligned(__alignof__( ::java::lang::Object)))) name;

define // __java_security_Permission__
@ignore
@c Set file name and title for man page.
@setfilename gpl
@settitle GNU General Public License
@c man begin SEEALSO
gfdl(7), fsf-funding(7).
@c man end
@c man begin COPYRIGHT
Copyright @copyright{} 2007 Free Software Foundation, Inc.
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
@c man end
@end ignore

@node Copying
@c man begin DESCRIPTION
@unnumbered GNU General Public License
@center Version 3, 29 June 2007
@display
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---

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/* Permission.java -- The superclass for all permission objects

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package java.security;

import gnu.java.lang.CPStringBuilder;

import java.io.Serializable;

/**
 * This class is the abstract superclass of all classes that implement
 * the concept of a permission. A permission consists of a permission name
 * and optionally a list of actions that relate to the permission. The
 * actual meaning of the name of the permission is defined only in the
 * context of a subclass. It may name a resource to which access permissions
 * are granted (for example, the name of a file) or it might represent
 * something else entirely. Similarly, the action list only has meaning
 * within the context of a subclass. Some permission names may have no
 * actions associated with them. That is, you either have the permission
 * or you don't.
 * *
 * <p>The most important method in this class is <code>implies</code>. This
 * checks whether if one has this permission, then the specified
 * permission is also implied. As a conceptual example, consider the
 * permissions "Read All Files" and "Read File foo". The permission
 * "Read All Files" implies that the caller has permission to read the
 * file foo.
 * *
 * <p><code>Permission</code>'s must be immutable - do not change their
 * state after creation.
 * *
 * @author Aaron M. Renn (arenn@urbanophile.com)
 * @see Permissions
 * @see PermissionCollection
 * @since 1.1
 * @status updated to 1.4
 */

public abstract class Permission implements Guard, Serializable {

    private static final long serialVersionUID = -5636570222231596674L;

    private String name;

/**
 * Create an instance with the specified name.
 *
 * @param name the permission name
 */
public Permission(String name)
{
    this.name = name;
}

/**
 * This method implements the <code>Guard</code> interface for this class.
 * It calls the <code>checkPermission</code> method in
 * <code>SecurityManager</code> with this <code>Permission</code> as its
 * argument. This method returns silently if the security check succeeds
 * or throws an exception if it fails.
 *
 * @param obj the <code>Object</code> being guarded - ignored by this class
 * @throws SecurityException if the security check fails
 * @see GuardedObject
 * @see SecurityManager#checkPermission(Permission)
 */
public void checkGuard(Object obj)
{
    SecurityManager sm = System.getSecurityManager();
    if (sm != null)
        sm.checkPermission(this);
}

/**
 * This method tests whether this <code>Permission</code> implies that the
 * specified <code>Permission</code> is also granted.
 *
 * @param perm the <code>Permission</code> to test against
 * @return true if perm is implied by this
 */
public abstract boolean implies(Permission perm);

/**
 * Check to see if this object equals obj. Use <code>equals</code>, rather
 * than <code>equals</code>, when making access control decisions.
 *
 * @param obj the object to compare to
 */
public abstract boolean equals(Object obj);

/**
 * This method returns a hash code for this <code>Permission</code>. It
* must satisfy the contract of `<code>Object.hashCode</code>`: it must be
* the same for all objects that equals considers to be the same.
*
* @return a hash value
*/
public abstract int hashCode();

/**
* Get the name of this `<code>Permission</code>`.
*
* @return the name
*/
public final String getName()
{
    return name;
}

/**
* This method returns the list of actions for this `<code>Permission</code>`
* as a `<code>String</code>`. The string should be in canonical order, for
* example, both `<code>new FilePermission(f, "write,read")</code>` and
* `<code>new FilePermission(f, "read,write")</code>` have the action list
* "read,write".
*
* @return the action list for this `<code>Permission</code>`
*/
public abstract String getActions();

/**
* This method returns an empty `<code>PermissionCollection</code>` object
* that can store permissions of this type, or `<code>null</code>` if no
* such collection is defined. Subclasses must override this to provide
* an appropriate collection when one is needed to accurately calculate
* `<code>implies</code>`.
*
* @return a new `<code>PermissionCollection</code>`
*/
public PermissionCollection newPermissionCollection()
{
    return null;
}

/**
* This method returns a `<code>String</code>` representation of this
* `<code>Permission</code>` object. This is in the format:
* `<code>('+ getClass().getName() + '+getName() + '+ getActions
* + '+)</code>`.
*
public String toString()
{
    CPStringBuilder string = new CPStringBuilder();

    string = string.append('(');
    string = string.append(getClass().getName());
    string = string.append(' ');
    string = string.append(getName());

    if (!getActions().equals(""))
    {
        string = string.append(' ');
        string = string.append(getActions());
    }

    string = string.append(')');
    return string.toString();
}
} // class Permission

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

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

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.

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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Ty Coon, President of Vice

That's all there is to it!

<?dbhtml filename="appendix_gpl.html"?>
Version 3, 29 June 2007

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

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</bridgehead>

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</para>
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price no more than your reasonable cost of physically performing this
conveying of source, or (2) access to copy the Corresponding Source from
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</listitem>
</listitem>
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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.

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#!/usr/bin/python
#
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#
# This script is free software; you can redistribute it and/or modify
# it under the terms of the GNU General Public License as published by
# the Free Software Foundation; either version 3, or (at your option)
# any later version.
#
# This script adjusts the copyright notices at the top of source files
# so that they have the form:
#
#   Copyright XXXX-YYYY Free Software Foundation, Inc.
#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
# update-copyright.pl --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
# update-copyright.pl --this-year libjava
#
# would run the script on just libjava/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__ (self):
        self.num_errors = 0

    def report (self, filename, string):
        if filename:
            string = filename + ': ' + string
        sys.stderr.write (string + '\n')
        self.num_errors += 1

    def ok (self):
        return self.num_errors == 0

class GenericFilter:
    def __init__ (self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set ([
            # Skip licence files.
            'COPYING',
            'COPYING.LIB',
            'COPYING3',
            'COPYING3.LIB',
            'LICENSE',
            'idl.texi',
            ...])
def get_line_filter(self, dir, filename):
    if filename.startswith('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile('	')
    return None

def skip_file(self, dir, filename):
    if filename in self.skip_files:
        return True
    (base, extension) = os.path.splitext(os.path.join(dir, filename))
    if extension in self.skip_extensions:
        return True

    return None
return True

if extension == '.in':
    # Skip .in files produced by automake.
    if os.path.exists (base + '.am'):
        return True

    # Skip files produced by autogen
    if (os.path.exists (base + '.def')
        and os.path.exists (base + '.tpl')):
        return True

    # Skip configure files produced by autoconf
    if filename == 'configure':
        if os.path.exists (base + '.ac'):
            return True
        if os.path.exists (base + '.in'):
            return True

    return False

def skip_dir (self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file (self, dir, filename):
    if filename in self.fossilised_files:
        return True

    # Only touch current ChangeLogs.
    if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
        return True

    return False

def by_package_author (self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__ (self, errors):
        self.errors = errors

        # Characters in a range of years. Include '.' for typos.
        ranges = '[0-9]\([-0-9,-,.,\s,\s+and\s+]\*[0-9-9]'

        # Non-whitespace characters in a copyright holder's name.
        name = '[\w-]'

        # Matches one year.
        self.year_re = re.compile ('[0-9]+')
# Matches part of a year or copyright holder.
self.continuation_re = re.compile (ranges + '|' + name)

# Matches a full copyright notice:
self.copyright_re = re.compile (  
    # 1: 'Copyright (C)', etc.
    '([Cc]opyright' 
    ' |([Cc]opyright\s+\([Cc]\)?)' 
    ' |(\[Cc\]opyright\s+%s)' 
    ' |([Cc]opyright\s+&copy;)' 
    ' |([Cc]opyright\s+@copyright\[')' 
    ' |copyright = u\'' 
    ' |@set\s+copyright\[w-\]+)' 

    # 2: the years. Include the whitespace in the year, so that we can remove any excess.
    '\s*\(?\.' + ranges + '.*\)' 
    '\[@value\{[^{}]*\}\s]*\)'

    # 3: 'by ', if used
    '(by\s+)?'

    # 4: the copyright holder. Don't allow multiple consecutive # spaces, so that right-margin gloss doesn't get caught # (e.g. gnat_ugn.texi).
    '(' + name + '\s+' + name + ')*)?')

# A regexp for notices that might have slipped by. Just matching # 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of # HTML header markers, so check for 'copyright' and two digits.
self.other_copyright_re = re.compile ('copyright.*[0-9][0-9]', re.IGNORECASE)

self.comment_re = re.compile('#+|[*]+|;+|%+|//+|@c |dnl ')  

self.holders = { '@copying': '@copying' }  

self.holder_prefixes = set()

# True to 'quilt add' files before changing them.
self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s). Could be ', '.
self.separator = ','

def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
self.holders[holder] = canon_form
index = holder.find (')
while index >= 0:
    self.holder_prefixes.add (holder[:index])
    index = holder.find (' ', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__ (self, year):
        self.year = year

    def __str__ (self):
        return 'unrecognised year: ' + self.year

def parse_year (self, string):
    year = int (string)
    if len (string) == 2:
        if year > 70:
            return year + 1900
    elif len (string) == 4:
        return year
    raise self.BadYear (string)

def year_range (self, years):
    year_list = [self.parse_year (year)
                  for year in self.year_re.findall (years)]
    assert len (year_list) > 0
    return (min (year_list), max (year_list))

def set_use_quilt (self, use_quilt):
    self.use_quilt = use_quilt

def include_year (self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years (self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith ('@value'):
        return years
    (min_year, max_year) = self.year_range (years)

    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file (dir, filename):
        max_year = max (max_year, self.max_year)
# Use a range.
if min_year == max_year:
    return '%d' % min_year
else:
    return '%d-%d' % (min_year, max_year)

def strip_continuation(self, line):
    line = line.lstrip()
    match = self.comment_re.match(line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete(self, match):
    holder = match.group(4)
    return (holder
            and (holder not in self.holder_prefixes
                 or holder in self.holders))

def update_copyright(self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join(dir, filename)

    intro = match.group(1)
    if intro.startswith('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end(2):].strip()
        if after_years != ':
            self.errors.report(pathname,
                    'trailing characters in @set: ' + after_years)
            return (False, orig_line, next_line)
        else:
            # If it looks like the copyright is incomplete, add the next line.
            while not self.is_complete(match):
                try:
                    next_line = file.next()
                except StopIteration:
                    break

                # If the next line doesn't look like a proper continuation,
                # assume that what we've got is complete.
                continuation = self.strip_continuation(next_line)
                if not self.continuation_re.match(continuation):
                    break
# Merge the lines for matching purposes.
orig_line += next_line
line = line.rstrip() + ' ' + continuation
next_line = None

# Rematch with the longer line, at the original position.
match = self.copyright_re.match (line, match.start())
assert match

holder = match.group (4)

# Use the filter to test cases where markup is getting in the way.
if filter.by_package_author (dir, filename):
    assert holder not in self.holders

elif not holder:
    self.errors.report (pathname, 'missing copyright holder')
    return (False, orig_line, next_line)

elif holder not in self.holders:
    self.errors.report (pathname,
        'unrecognised copyright holder: ' + holder)
    return (False, orig_line, next_line)

else:
    # See whether the copyright is associated with the package
    # author.
    canon_form = self.holders[holder]
    if not canon_form:
        return (False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
    line = (line[:match.start (4)]
        + canon_form
        + line[match.end (4):])

    # Remove any 'by'
    line = line[:match.start (3)] + line[match.end (3):]

    # Update the copyright years.
    years = match.group (2).strip()
    try:
        canon_form = self.canonicalise_years (dir, filename, filter, years)
    except self.BadYear as e:
        self.errors.report (pathname, str (e))
        return (False, orig_line, next_line)

    line = (line[:match.start (2)]
# Use the standard (C) form.
if intro.endswith('right'):
    intro += ' (C)
elif intro.endswith('c'):
    intro = intro[:-3] + '(C)'
line = line[:match.start(1)] + intro + line[match.end(1):]

# Strip trailing whitespace
line = line.rstrip() + '

return (line != orig_line, line, next_line)

def process_file(self, dir, filename, filter):
    pathname = os.path.join(dir, filename)
    if filename.endswith('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove(pathname)
        except OSError:
            pass
        return

    lines = []
    changed = False
    line_filter = filter.get_line_filter(dir, filename)
    with open(pathname, 'r') as file:
        prev = None
        for line in file:
            while line:
                next_line = None
                # Leave filtered-out lines alone.
                if not (line_filter and line_filter.match(line)):
                    match = self.copyright_re.search(line)
                    if match:
                        res = self.update_copyright(dir, filename, filter,
                                                     file, line, match)
                        (this_changed, line, next_line) = res
                        changed = changed or this_changed
                # Check for copyright lines that might have slipped by.
                elif self.other_copyright_re.search(line):
                    self.errors.report(pathname,
                                       'unrecognised copyright: %s'
                                       % line.strip())
lines.append (line)
line = next_line

#if something changed, write the new file out.
if changed and self.errors.ok():
tmp_pathname = pathname + '.tmp'
with open (tmp_pathname, 'w') as file:
    for line in lines:
        file.write (line)
if self.use_quilt:
    subprocess.call (["quilt", 'add', pathname])
os.rename (tmp_pathname, pathname)

def process_tree (self, tree, filter):
    for (dir, subdirs, filenames) in os.walk (tree):
        # Don't recurse through directories that should be skipped.
        for i in xrange (len (subdirs) - 1, -1, -1):
            if filter.skip_dir (dir, subdirs[i]):
                del subdirs[i]

        # Handle the files in this directory.
        for filename in filenames:
            if filter.skip_file (dir, filename):
                sys.stdout.write ('Skipping %s
' % os.path.join (dir, filename))
            else:
                self.process_file (dir, filename, filter)

class CmdLine:
def __init__ (self, copyright = Copyright):
    self.errors = Errors()
    self.copyright = copyright (self.errors)
    self.dirs = []
    self.default_dirs = []
    self.chosen_dirs = []
    self.option_handlers = dic()
    self.option_help = []

    self.add_option ("--help", 'Print this help', self.o_help)
    self.add_option ("--quilt", '"quilt add" files before changing them',
self.o_quilt)
    self.add_option ("--this-year", 'Add the current year to every notice',
self.o_this_year)

    def add_option (self, name, help, handler):
        self.option_help.append ((name, help))
        self.option_handlers[name] = handler
def add_dir(self, dir, filter=GenericFilter()):
    self.dirs.append((dir, filter))

def o_help(self, option=None):
    sys.stdout.write(‘Usage: %s [options] dir1 dir2...

    ’ % sys.argv[0])
    format = ‘%-15s %s
’
    for (what, help) in self.option_help:
        sys.stdout.write(format % (what, help))
    sys.stdout.write(‘Directories:
’)
    format = ‘%-25s
’
    i = 0
    for (dir, filter) in self.dirs:
        i += 1
        if i % 3 == 0 or i == len(self.dirs):
            sys.stdout.write(dir + ‘
’)
        else:
            sys.stdout.write(format % dir)
        sys.exit(0)

def o_quilt(self, option):
    self.copyright.set_use_quilt(True)

def o_this_year(self, option):
    self.copyright.include_year(time.localtime().tm_year)

def main(self):
    for arg in sys.argv[1:]:
        if arg[0] != ‘-’:
            self.chosen_dirs.append(arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg](arg)
        else:
            self.errors.report(None, ‘unrecognised option: ‘ + arg)
    if self.errors.ok():
        if len(self.chosen_dirs) == 0:
            self.chosen_dirs = self.default_dirs
        if len(self.chosen_dirs) == 0:
            self.o_help()
        else:
            for chosen_dir in self.chosen_dirs:
                canon_dir = os.path.join(chosen_dir, ‘’)
                count = 0
                for (dir, filter) in self.dirs:
                    if (dir + os.sep).startswith(canon_dir):
                        count += 1
                self.copyright.process_tree(dir, filter)
if count == 0:
    self.errors.report (None, 'unrecognised directory: ' + chosen_dir)
    sys.exit (0 if self.errors.ok() else 1)

#---------------------------------------------------------------

class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True

class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    def skip_file (self, dir, filename):
        if filename.endswith ('.m4'):
            pathname = os.path.join (dir, filename)
            with open (pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find ('gettext-') >= 0:
                    return True
            return GenericFilter.skip_file (self, dir, filename)

class GCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set (
            # Not part of GCC
            'math-68881.h',
            )

        self.skip_dirs |= set (
            # Better not create a merge nightmare for the GNAT folks.
            'ada',

            # Handled separately.
            'testsuite',
            )

        self.skip_extensions |= set (
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
            )
self.fossilised_files |= set([
    # Old news won't be updated.
    'ONEWS',
])

class TestsuiteFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set([
            # Don't change the tests, which could be woend by anyone.
            '.c',
            '.C',
            '.cc',
            '.h',
            '.hs',
            '.f',
            '.f90',
            '.go',
            '.inc',
            '.java',
        ])

    def skip_file (self, dir, filename):
        # g++.niklas/README contains historical copyright information
        # and isn't updated.
        if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
            return True
        return GenericFilter.skip_file (self, dir, filename)

class LibCppFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set([
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        ])

class LibGCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set([
            # g++.niklas/README contains historical copyright information
            # and isn't updated.
            'README',
        ])

        self.skip_extensions |= set([
            # Old news won't be updated.
            'ONEWS',
        ])
# Imported from GLIBC.
'soft-fp',
)

class LibJavaFilter (GenericFilter):
def __init__ (self):
    GenericFilter.__init__ (self)

    self.skip_dirs |= set [
        # Handled separately.
        'testsuite',

        # Not really part of the library
        'contrib',

        # Imported from upstream
        'classpath',
        'libltdl',
    ]

def get_line_filter (self, dir, filename):
    if filename == 'NameDecoder.h':
        return re.compile ('.*NAME_COPYRIGHT')
    elif filename == 'ICC_Profile.h':
        return re.compile ('.*icSigCopyrightTag')
    return GenericFilter.get_line_filter (self, dir, filename)

class LibMudflapFilter (GenericFilter):
def __init__ (self):
    GenericFilter.__init__ (self)

    self.skip_dirs |= set [
        # Handled separately.
        'testsuite',
    ]

class LibStdCxxFilter (GenericFilter):
def __init__ (self):
    GenericFilter.__init__ (self)

    self.skip_files |= set [
        # Contains no copyright of its own, but quotes the GPL.
        'intro.xml',
    ]

    self.skip_dirs |= set [
        # Contains automatically-generated sources.
        'html',
    ]
# The testsuite data files shouldn't be changed.
'data',

# Contains imported images
'images',
)

self.own_files |= set ([
    # Contains markup around the copyright owner.
    'spine.xml',
    ])

def get_line_filter (self, dir, filename):
    if filename == 'boost_concept_check.h':
        return re.compile ('// \(C\) Copyright Jeremy Siek')
    return GenericFilter.get_line_filter (self, dir, filename)

class GCCCopyright (Copyright):
    def __init__ (self, errors):
        Copyright.__init__ (self, errors)
        canon_fsf = 'Free Software Foundation, Inc.'
        self.add_package_author ('Free Software Foundation', canon_fsf)
        self.add_package_author ('Free Software Foundation.', canon_fsf)
        self.add_package_author ('Free Software Foundation Inc.', canon_fsf)
        self.add_package_author ('Free Software Foundation, Inc', canon_fsf)
        self.add_package_author ('The Free Software Foundation', canon_fsf)
        self.add_package_author ('The Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author ('Software Foundation, Inc.', canon_fsf)

        self.add_external_author ('ARM')
        self.add_external_author ('AdaCore')
        self.add_external_author ('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
        self.add_external_author ('Cavium Networks:')
        self.add_external_author ('Faraday Technology Corp.')
        self.add_external_author ('Florida State University')
        self.add_external_author ('Greg Colvin and Beman Dawes.')
        self.add_external_author ('Hewlett-Packard Company')
        self.add_external_author ('Information Technology Industry Council.')
        self.add_external_author ('James Theiler, Brian Gough')
        self.add_external_author ('Makoto Matsumoto and Takuji Nishimura,')
        self.add_external_author ('National Research Council of Canada.')
        self.add_external_author ('Peter Dimov and Multi Media Ltd.')
        self.add_external_author ('Peter Dimov')
        self.add_external_author ('Pipeline Associates, Inc.')
        self.add_external_author ('Regents of the University of California.')
class GCCCmdLine (CmdLine):
    def __init__ (self):
        CmdLine.__init__ (self, GCCCopyright)

        self.add_dir ('.', TopLevelFilter())
# boehm-gc is imported from upstream.
        self.add_dir ('config', ConfigFilter())
# contrib isn't really part of GCC.
        self.add_dir ('fixincludes')
        self.add_dir ('gcc', GCCFilter())
        self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir ('gnattools')
        self.add_dir ('include')
        self.add_dir ('libada')
        self.add_dir ('libatomic')
        self.add_dir ('libbacktrace')
        self.add_dir ('libcpp', LibCppFilter())
        self.add_dir ('libdecimal')
# libffi is imported from upstream.
        self.add_dir ('libgcc', LibGCCFilter())
        self.add_dir ('libgfortran')
        self.add_dir ('libgomp')
        self.add_dir ('libiberty')
        self.add_dir ('libitm')
        self.add_dir ('libobjc')
        self.add_dir ('libquadmath')
# libsanitiser is imported from upstream.
        self.add_dir ('libssp')
        self.add_dir ('libstdc++-v3', LibStdCxxFilter())
        self.add_dir ('lto-plugin')
# zlib is imported from upstream.
self.default_dirs = ['gcc', 'libada', 'libatomic', 'libbacktrace', 'licep', 'libdecmumber', 'libgcc', 'libgfortran', 'libgomp', 'libitm', 'libmudflap', 'libobjc', 'libstdc++-v3', ]

GCCCCCCmdLine().main()

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Version 2.1, February 1999

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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice
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That's all there is to it!

That's all there is to it!

That's all there is to it!

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That's all there is to it!

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Version 3.1, 31 March 2009

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

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

That's all there is to it!
This is the Debian GNU/Linux prepackaged version of the GNU compiler collection, containing Ada, C, C++, Fortran 95, Java, Objective-C, Objective-C++, and Treelang compilers, documentation, and support libraries. In addition, Debian provides the GNU Pascal compiler in the same source package. Packaging is done by the Debian GCC Maintainers <debian-gcc@lists.debian.org>, with sources obtained from:

ftp://gcc.gnu.org/pub/gcc/releases/ (for full releases)
svn://gcc.gnu.org/svn/gcc/ (for prereleases)
http://gnu-pascal.de/alpha/ (for GNU Pascal)
http://dgcc.sourceforge.net/ (for D)

The current gcc-@BV@ source package is taken from the SVN @SVN_BRANCH@.

Changes: See changelog.Debian.gz

Debian splits the GNU Compiler Collection into packages for each language, library, and documentation as follows:

Language       Compiler package  Library package    Documentation
---------------------------------------------------------------------------
Ada            gnat-@BV@          libgnat-@BV@        gnat-@BV@-doc
C              gcc-@BV@                              gcc-@BV@-doc
C++            g++-@BV@           libstdc++6         libstdc++6-@BV@-doc
Fortran 95     gfortran-@BV@      libgfortran3       gfortran-@BV@-doc
Java           gcj-@BV@           libgcj10           libgcj-doc
Objective C    gobjc-@BV@         libobjc2
Objective C++  gobjc++-@BV@

For some language run-time libraries, Debian provides source files, development files, debugging symbols and libraries containing position-independent code in separate packages:

Language Sources      Development       Debugging       Position-Independent
---------------------------------------------------------------------------
C++                                  libstdc++6-@BV@-dbg  libstdc++6-@BV@-pic
Java      libgcj10-src libgcj10-dev  libgcj10-dbgs

Additional packages include:

All languages:
libgcc1, libgcc2, libgcc4  GCC intrinsics (platform-dependent)
gcc-@BV@-base    Base files common to all compilers
gcc-@BV@-soft-float Software floating point (ARM only)
gcc-@BV@-source   The sources with patches

Ada:
libgnatvsn-dev, libgnatvsn@BV@  GNAT version library
libgnatprj-dev, libgnatprj@BV@  GNAT Project Manager library

C:
cpp-@BV@, cpp-@BV@-doc GNU C Preprocessor
libmudflap0-dev, libmudflap0 Library for instrumenting pointers
libssp0-dev, libssp0 GCC stack smashing protection library
fixincludes Fix non-ANSI header files
protoize Create/remove ANSI prototypes from C code

Java:
gij The Java bytecode interpreter and VM
libgcj-common Common files for the Java run-time
libgcj10-awt The Abstract Windowing Toolkit
libgcj10-jar Java ARchive for the Java run-time

C, C++ and Fortran 95:
libgomp1-dev, libgomp1GCC OpenMP (GOMP) support library

Biarch support: On some 64-bit platforms which can also run 32-bit code, Debian provides additional packages containing 32-bit versions of some libraries. These packages have names beginning with 'lib32' instead of 'lib', for example lib32stdc++6. Similarly, on some 32-bit platforms which can also run 64-bit code, Debian provides additional packages with names beginning with 'lib64' instead of 'lib'. These packages contain 64-bit versions of the libraries. (At this time, not all platforms and not all libraries support biarch.) The license terms for these lib32 or lib64 packages are identical to the ones for the lib packages.

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gcc/coretypes.h, gcc/crtstuff.c, gcc/defaults.h, gcc/dwarf2.h,
gcc/emults.c, gcc/gbl-ctors.h, gcc/gecov-io.h, gcc/libgcov.c,
gcc/tsystem.h, gcc/typeclass.h).
- libdecnumber
- libgomp
- libssp
- libstdc++-v3
- libobjc
- libmudflap
- libgfortran
- The libgnat-@BV@ Ada support library and libgnatvsn library.
- Various config files in gcc/config/ used in runtime libraries.

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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/* Definitions for BSD assembler syntax for Intel 386 (actually AT&T syntax for insns and operands, adapted to BSD conventions for symbol names and debugging.)
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/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using underscores, we are using prefix `.'s to identify labels that should be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */
/* This was suggested, but it shouldn’t be right for DBX output. -- RMS */
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME)

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE, SIZE) 
   fprintf (FILE, "\t.space \"HOST_WIDE_INT_PRINTF_UNSIGNED\"\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED) 
   ( fputs (".comm ", (FILE)),
     assemble_name ((FILE), (NAME)),
     fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED) 
   ( fputs (".lcomm ", (FILE)),
     assemble_name ((FILE), (NAME)),
     fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT) 
   ( fputs (".lcomm ", (FILE)),
     assemble_name ((FILE), (NAME)),
     fprintf ((FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line that says to advance the location counter to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE, LOG)
   if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF the symbol_ref name of an internal numbered label where PREFIX is the class of label and NUM is the number within the class. */
This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)
    sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */
#define USER_LABEL_PREFIX "_"

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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This package was debianized by Matthias Klose <doko@debian.org> on
Mon, 5 Jul 2004 21:29:57 +0200

Mudflap is part of GCC.

Authors: Frank Ch. Eigler <fche@redhat.com>, Graydon Hoare <graydon@redhat.com>

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Ty Coon, President of Vice

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

HISTORY -

Early versions of this collector were developed as 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@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlef(s@detlef@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(acg@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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   exception statement from your version. */

package java.security.acl;

/**
* This interface provides information about a permission that can be
  * granted. Note that this is <em>not</em> the same as the class
  * <code>java.security.Permission</code>.
  *
  * @version 0.0
  *
  * @author Aaron M. Renn (arenn@urbanophile.com)
  */

public interface Permission
{
  /**
   * This method tests whether or not a specified <code>Permission</code>
   * (passed as an <code>Object</code>) is the same as this permission.
   *
   * @param perm The permission to check for equality
   *
   * @return <code>true</code> if the specified permission is the same as this one, <code>false</code> otherwise
   */
  boolean equals (Object perm);

  /**
   * This method returns this <code>Permission</code> as a <code>String</code>.
   *
   * @return A <code>String</code> representing this permission.
   */
  String toString();
}
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This is the Debian GNU/Linux prepackaged version of the GNU compiler collection, containing Ada, C, C++, Fortran 95, Java, Objective-C, Objective-C++, and Treelang compilers, documentation, and support libraries. In addition, Debian provides the GNU Pascal compiler in the same source package. Packaging is done by the Debian GCC Maintainers, with sources obtained from:

ftp://gcc.gnu.org/pub/gcc/releases/   (for full releases)
svn://gcc.gnu.org/svn/gcc/           (for prereleases)
http://gnu-pascal.de/alpha/          (for GNU Pascal)
http://dgcc.sourceforge.net/         (for D)

The current gcc-4.4 source package is taken from the SVN gcc-4_4-branch.

Changes: See changelog.Debian.gz

Debian splits the GNU Compiler Collection into packages for each language, library, and documentation as follows:

<table>
<thead>
<tr>
<th>Language</th>
<th>Compiler package</th>
<th>Library package</th>
<th>Documentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ada</td>
<td>gnat-4.4</td>
<td>libgnat-4.4</td>
<td>gnat-4.4-doc</td>
</tr>
<tr>
<td>C</td>
<td>gcc-4.4</td>
<td>gcc-4.4-doc</td>
<td></td>
</tr>
<tr>
<td>C++</td>
<td>g++-4.4</td>
<td>libstdc++6</td>
<td>libstdc++6-4.4-doc</td>
</tr>
<tr>
<td>Fortran 95</td>
<td>gfortran-4.4</td>
<td>libgfortran3</td>
<td>gfortran-4.4-doc</td>
</tr>
<tr>
<td>Java</td>
<td>gcj-4.4</td>
<td>libgcj10</td>
<td>libgcj-doc</td>
</tr>
<tr>
<td>Objective C</td>
<td>gobjc-4.4</td>
<td>libobjc2</td>
<td></td>
</tr>
<tr>
<td>Objective C++</td>
<td>gobjc++-4.4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For some language run-time libraries, Debian provides source files, development files, debugging symbols and libraries containing position-independent code in separate packages:

<table>
<thead>
<tr>
<th>Language</th>
<th>Sources</th>
<th>Development</th>
<th>Debugging</th>
<th>Position-Independent</th>
</tr>
</thead>
</table>

---

Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 25798
C++  libstdc++-6-4.4-dbg  libstdc++-6-4.4-pic
Java  libgcj10-src  libgcj10-dev  libgcj10-dbg

Additional packages include:

All languages:
libgcc1, libgcc2, libgcc4  GCC intrinsics (platform-dependent)
gcc-4.4-base  Base files common to all compilers
gcc-4.4-soft-float  Software floating point (ARM only)
gcc-4.4-source  The sources with patches

Ada:
libgnatvsn-dev, libgnatvsn4.4  GNAT version library
libgnatprj-dev, libgnatprj4.4  GNAT Project Manager library

C:
cpp-4.4, cpp-4.4-doc  GNU C Preprocessor
libmudflap0-dev, libmudflap0  Library for instrumenting pointers
libssp0-dev, libssp0  GCC stack smashing protection library
fixincludes  Fix non-ANSI header files
protoize  Create/remove ANSI prototypes from C code

Java:
gij  The Java bytecode interpreter and VM
libgcj-common  Common files for the Java run-time
libgcj10-awt  The Abstract Windowing Toolkit
libgcj10-jar  Java ARchive for the Java run-time

C, C++ and Fortran 95:
libgomp1-dev, libgomp1GCC OpenMP (GOMP) support library

Biarch support: On some 64-bit platforms which can also run 32-bit code, Debian provides additional packages containing 32-bit versions of some libraries. These packages have names beginning with 'lib32' instead of 'lib', for example lib32stdc++-6. Similarly, on some 32-bit platforms which can also run 64-bit code, Debian provides additional packages with names beginning with 'lib64' instead of 'lib'. These packages contain 64-bit versions of the libraries. (At this time, not all platforms and not all libraries support biarch.) The license terms for these lib32 or lib64 packages are identical to the ones for the lib packages.

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gcc/coretypes.h, gcc/erctstuff.c, gcc/defaults.h, gcc/dwarf2.h,
gcc/emults.c, gcc/gbl-ctors.h, gcc/gecov-io.h, gcc/libgcov.c,
gcc/tsystem.h, gcc/typeclass.h).
- libdecnumber
- libgomp
- libssp
- libstdc++-v3
- libobjc
- libmudflap
- libfortran
- The libgnat-4.4 Ada support library and libgnatvsn library.
- Various config files in gcc/config/ used in runtime libraries.

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" Automatically generated by Pod::Man 2.16 (Pod::Simple 3.05)
" Standard preamble:
=" ========================================================================
de Sh " Subsection heading
.br
.if t .Sp
.ne 5
.PP
\B\$1\R
.PP
.. 
de Sp " Vertical space (when we can't use .PP)
.if t .sp .5v
.if n .sp
..
de Vb " Begin verbatim text
.ft CW
.nf
.ne \$1
..
de Ve " End verbatim text
.ft R
.fi
..
" Set up some character translations and predefined strings. \~(-- will
\~ give an unbreakable dash, \~(PI will give pi, \~(L" will give a left
\~ double quote, and \~(R" will give a right double quote. \~(C+ will
\~ give a nicer C++. Capital omega is used to do unbreakable dashes and
\~ therefore won't be available. \~(C" and \~(C' expand to " in nroff,
\~ nothing in troff, for use with C<>."
Escape single quotes in literal strings from groff's Unicode transform.

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

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

fudge factors for nroff and troff
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"0. Definitions."

"0. Definitions."

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IP "c."

IX Item "c."

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IP "d."

IX Item "d."

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IP "e."

IX Item "e."

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Sp

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@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
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ifndef __gnu_javax_sound_AudioSecurityManager$Permission__
define __gnu_javax_sound_AudioSecurityManager$Permission__

#pragma interface

#include <java/lang/Enum.h>
#include <gcj/array.h>

extern "Java"
{
namespace gnu
{
namespace javax
{
namespace sound
{
class AudioSecurityManager$Permission;
}
}
}

class gnu::javax::sound::AudioSecurityManager$Permission : public ::java::lang::Enum
{

AudioSecurityManager$Permission(::java::lang::String *, jint);
public:
static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * values();
static ::gnu::javax::sound::AudioSecurityManager$Permission * valueOf(::java::lang::String *);
static ::gnu::javax::sound::AudioSecurityManager$Permission * PLAY;
static ::gnu::javax::sound::AudioSecurityManager$Permission * RECORD;
static ::gnu::javax::sound::AudioSecurityManager$Permission * ALL;
private:
static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * ENUM$VALUES;
public:
static ::java::lang::Class class$;
});

#endif // __gnu_javax_sound_AudioSecurityManager$Permission__

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Standard preamble:

 ========================================================================
.de Sh Subsection heading
.br
.if t .Sp
.ne 5
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.. 
.de Sp Vertical space (when we can't use .PP)
.if t .sp .5v
.if n .sp
.. 
.de Vb Begin verbatim text
.ft CW
.nf
.ne \$1
.. 
.de Ve End verbatim text
.ft R
.fi
..

Set up some character translations and predefined strings. \(*(-- will
give an unbreakable dash, \(*PI will give pi, \(*L" will give a left
double quote, and \(*R" will give a right double quote. \(*C+ will
give a nicer C++. Capital omega is used to do unbreakable dashes and
nothing in troff, for use with C<>.
.tr \(*W-. 
.ds C+ C\v'-1.1\v'h'-1p'u\-2+\v'h'-1p'+\s0\v'.1\v'h'-1p'
.ie n \{
 . ds -- \(*W-
 . ds PI pi
 . if (\n(H=4u)&(1m=24u) .ds -- \(*W\v'h'-12u\)(\*W\v'h'-12u'\v") diablo 10 pitch
 . if (\n(H=4u)&(1m=20u) .ds -- \(*W\v'h'-12u\)(\*W\v'h'-8u\v") diablo 12 pitch
 . ds L" "
 . ds R" "
 . ds C" "
 . ds C" "
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.el\{
Escape single quotes in literal strings from groff's Unicode transform.
.ie \n(.g .ds Aq \aq
.el .ds Aq '
.ie 
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.. 
.nr % 0
.rr F
.A]
.el \}\n.de IX
.. 
.A]
.A"
Accent mark definitions (@(#)ms.acc 1.5 88/02/08 SMI; from UCB 4.2).
.A" fudge factors for nroff and troff
.if n \}\n .ds #H 0
 .ds #V .8m
 .ds #F .3m
 .ds #1 \&I
 .ds #] \P
.A]
.if t \}\n .ds #H ((1u-(\n/.fu%2u))*1.3m)
 .ds #V .6m
 .ds #F 0
 .ds # \&
 .ds #] \&
.A]
.A" simple accents for nroff and troff
.if n \}\n .ds ' \&
 .ds ` \&
 .ds ^ \&
IX Title "GPL 7"
.TH GPL 7 "2010-01-21" "gcc-4.4.3" "GNU"

"For nroff, turn off justification. Always turn off hyphenation; it makes "way too many mistakes in technical documents."
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That's all there is to it!
/* Definitions for BSD assembler syntax for Intel 386
   (actually AT&T syntax for insns and operands,
   adapted to BSD conventions for symbol names and debugging.)
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   <http://www.gnu.org/licenses/>. */

/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using
underscores, we are using prefix `.s to identify labels that should
be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

#define ASM_SHORT "t.wordt"
#define ASM_LONG "t.longt"
#define ASM_QUAD "t.quadt" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line
   that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE,SIZE) \
fprintf (FILE, "\t.space "HOST_WIDE_INT_PRINT_UNSIGNED\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line
to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED) \
  ( fputs (".comm ", (FILE)),
   assemble_name ((FILE), (NAME)),
   fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line
to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED) \
  ( fputs (".lcomm ", (FILE)),
   assemble_name ((FILE), (NAME)),
   fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT) \
  ( fputs (".lcomm ", (FILE)),
   assemble_name ((FILE), (NAME)),
   fprintf ((FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line
that says to advance the location counter
to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG) \
  if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF
the symbol_ref name of an internal numbered label where
PREFIX is the class of label and NUM is the number within the class.
This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER) \
  sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX "_"

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1
/* Don’t split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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Version 3.1, 31 March 2009

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02111-1307 USA. */

package gnu.classpath.tools.taglets;

import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.javadoc.Tag;

/**
 * A simple Taglet which handles Copyright information.
 */
public class CopyrightTaglet implements Taglet {

private static final String NAME = "copyright";
private static final String HEADER = "Copyright:";

public String getName() {
    return NAME;
}

public boolean inField() {
    return true;
}

public boolean inConstructor() {
    return true;
}

public boolean inMethod() {
    return true;
}

public boolean inOverview() {
    return true;
}
public boolean inPackage() {
    return true;
}

public boolean inType() {
    return true;
}

public boolean isInlineTag() {
    return false;
}

public static void register(Map tagletMap) {
    CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
    tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
}

public String toString(Tag tag) {
    return toString(new Tag[] { tag });
}

public String toString(Tag[] tags) {
    if (tags.length == 0) {
        return null;
    } else {
        boolean haveValidTag = false;
        for (int i = 0; i < tags.length && !haveValidTag; ++i) {
            if (tags[i].text().length() > 0) {
                haveValidTag = true;
            }
        }
        if (haveValidTag) {
            StringBuffer result = new StringBuffer();
            result.append("<dl>");
            for (int i = 0; i < tags.length; i++) {
                if (tags[i].text().length() > 0) {
                    result.append("<dt><i>Copyright &amp;#169; " + tags[i].text() + "</i></dt>");
                }
            result.append("</dl>");
            return result.toString();
        } else {
            return null;
        }
    }
}
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#define __java_security_acl_Permission__

#pragma interface
#include <java/lang/Object.h>
extern "Java"
{
    namespace java
    {
        namespace security
        {
            namespace acl
            {
                class Permission;
            }
        }
    }
}

class java::security::acl::Permission : public ::java::lang::Object
{

public:
    virtual jboolean equals(::java::lang::Object *) = 0;
    virtual ::java::lang::String * toString() = 0;
    static ::java::lang::Class class$;
} __attribute__ ((java_interface));

#include "java::lang/Object.h"
extern "Java"
{
    namespace java
    {
        namespace security
        {
            namespace acl
            {
                class Permission;
            }
        }
    }
}

class java::security::acl::Permission : public ::java::lang::Object
{

public:
    virtual jboolean equals(::java::lang::Object *) = 0;
    virtual ::java::lang::String * toString() = 0;
    static ::java::lang::Class class$;
} __attribute__ ((java_interface));

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@end smallexample

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/* Permission.java -- The superclass for all permission objects

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import gnu.java.lang.CPStringBuilder;

import java.io.Serializable;

/**
 * This class is the abstract superclass of all classes that implement
* the concept of a permission. A permission consists of a permission name
* and optionally a list of actions that relate to the permission. The
* actual meaning of the name of the permission is defined only in the
* context of a subclass. It may name a resource to which access permissions
* are granted (for example, the name of a file) or it might represent
* something else entirely. Similarly, the action list only has meaning
* within the context of a subclass. Some permission names may have no
* actions associated with them. That is, you either have the permission
* or you don't.
* 
* <p>The most important method in this class is <code>implies</code>. This
* permission is also implied. As a conceptual example, consider the
* permissions "Read All Files" and "Read File foo". The permission
* "Read All Files" implies that the caller has permission to read the
* file foo.
* 
* <p><code>Permission</code>'s must be immutable - do not change their
* state after creation.
* 
* @{author Aaron M. Renn (arenn@urbanophile.com)
* @see Permissions
* @see PermissionCollection
* @since 1.1
* @status updated to 1.4
* /
* public abstract class Permission implements Guard, Serializable
{ 
/**
 * Compatible with JDK 1.1+.
 */
private static final long serialVersionUID = -5636570222231596674L;

/**
 * This is the name assigned to this permission object.
 *
 * @serial the name of the permission
 */
private String name;

/**
 * Create an instance with the specified name.
 *
 * @param name the permission name
 */
public Permission(String name)
{ 
    this.name = name;
}
/**
 * This method implements the <code>Guard</code> interface for this class.
 * It calls the <code>checkPermission</code> method in
 * <code>SecurityManager</code> with this <code>Permission</code> as its
 * argument. This method returns silently if the security check succeeds
 * or throws an exception if it fails.
 *
 * @param obj the <code>Object</code> being guarded - ignored by this class
 * @throws SecurityException if the security check fails
 * @see GuardedObject
 * @see SecurityManager#checkPermission(Permission)
 */
public void checkGuard(Object obj)
{
    SecurityManager sm = System.getSecurityManager();
    if (sm != null)
        sm.checkPermission(this);
}

/**
 * This method tests whether this <code>Permission</code> implies that the
 * specified <code>Permission</code> is also granted.
 *
 * @param perm the <code>Permission</code> to test against
 * @return true if perm is implied by this
 */
public abstract boolean implies(Permission perm);

/**
 * Check to see if this object equals obj. Use <code>equals</code>, rather
 * than <code>equals</code>, when making access control decisions.
 *
 * @param obj the object to compare to
 */
public abstract boolean equals(Object obj);

/**
 * This method returns a hash code for this <code>Permission</code>. It
 * must satisfy the contract of <code>Object.hashCode</code>: it must be
 * the same for all objects that equals considers to be the same.
 *
 * @return a hash value
 */
public abstract int hashCode();
* Get the name of this `<code>Permission</code>`.
* `@return` the name
*/
public final String getName()
{
    return name;
}

/**
* This method returns the list of actions for this `<code>Permission</code>`
* as a `<code>String</code>`. The string should be in canonical order, for
* example, both `<code>new FilePermission(f, "write,read")</code>` and
* `<code>new FilePermission(f, "read,write")</code>` have the action list
* "read,write".
* `@return` the action list for this `<code>Permission</code>`
*/
public abstract String getActions();

/**
* This method returns an empty `<code>PermissionCollection</code>` object
* that can store permissions of this type, or `<code>null</code>` if no
* such collection is defined. Subclasses must override this to provide
* an appropriate collection when one is needed to accurately calculate
* `<code>implies</code>`.
* `@return` a new `<code>PermissionCollection</code>`
*/
public PermissionCollection newPermissionCollection()
{
    return null;
}

/**
* This method returns a `<code>String</code>` representation of this
* `<code>Permission</code>` object. This is in the format:
* `<code>'(' + getClass().getName() + ' ' + getName() + ' ' + getActions
* + ')'</code>.
* `@return` this object as a `<code>String</code>`
*/
public String toString()
{
    CPStringBuilder string = new CPStringBuilder();

    string = string.append('(');
    string = string.append(getClass().getName());
    string = string.append(getName());
    string = string.append(getActions);
    string = string.append(')');
    string = string.append(')');
    string = string.append(getActions);
    string = string.append(')');
    string = string.append(')');
string = string.append(' '); 
string = string.append(getName()); 

if (!(getActions().equals('""'))) 
{
    string = string.append(' '); 
    string = string.append(getActions()); 
}

string = string.append('');
return string.toString(); 
} 
} // class Permission

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1.2523 console-setup 1.178ubuntu2.9

1.2524 babel 2.7.0

1.2524.1 Available under license:

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1.2525 spring-ldap-core 1.3.1.RELEASE

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* /opt/cola/permits/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-jar/org/springframework/ldap/transaction/compensating/manager/ContextSourceAndHibernateTransactionManager.java

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* /opt/cola/permits/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-jar/org/springframework/ldap/transaction/compensating/manager/TransactionAwareContextSourceProxy.java
* /opt/cola/permits/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-jar/org/springframework/ldap/transaction/compensating/manager/DirContextHolder.java
* /opt/cola/permits/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-jar/org/springframework/ldap/transaction/compensating/manager/TransactionAwareDirContextInvocationHandler.java
* /opt/cola/permits/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-jar/org/springframework/ldap/transaction/compensating/manager/ContextSourceTransactionManager.java
* /opt/cola/permits/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-jar/org/springframework/ldap/transaction/compensating/manager/ContextSourceTransactionManagerDelegate.java

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* /opt/cola/permits/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/org/springframework/ldap/core/support/CollectingAuthenticationErrorCallback.java
* /opt/cola/permits/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/org/springframework/ldap/core/LdapTemplate.java
* /opt/cola/permits/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/org/springframework/ldap/transaction/compensating/RenameOperationRecorder.java
* /opt/cola/permits/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/org/springframework/ldap/transaction/compensating/BindOperationExecutor.java
* /opt/cola/permits/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/org/springframework/ldap/transaction/compensating/CompensatingTransactionOperationExecutor.java
* /opt/cola/permits/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/org/springframework/ldap/transaction/compensating/UnbindOperationRecorder.java
* /opt/cola/permits/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/org/springframework/ldap/control/AbstractRequestControlDirContextProcessor.java
* /opt/cola/permits/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/org/springframework/ldap/control/SortControlDirContextProcessor.java
* /opt/cola/permits/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/org/springframework/ldap/TimeLimitExceededException.java
* /opt/cola/permits/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/org/springframework/ldap/InvalidSearchControlsException.java
* /opt/cola/permits/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
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jAR/ORG/SPRINGFRAMEWORK/ldap/control/PagedResultsCookie.java
* /OPT/COLA/PERMITS/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/ORG/SPRINGFRAMEWORK/ldap/filter/LessThanOrEqualsFilter.java
* /OPT/COLA/PERMITS/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
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* /OPT/COLA/PERMITS/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/ORG/SPRINGFRAMEWORK/ldap/filter/PresentFilter.java
* /OPT/COLA/PERMITS/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/ORG/SPRINGFRAMEWORK/ldap/serviceUnavailableException.java
* /OPT/COLA/PERMITS/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/ORG/SPRINGFRAMEWORK/ldap/transaction/compensating/BindOperationRecorder.java
* /OPT/COLA/PERMITS/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/ORG/SPRINGFRAMEWORK/ldap/core/support/SingleContextSource.java
* /OPT/COLA/PERMITS/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/ORG/SPRINGFRAMEWORK/ldap/filter/HardcodedFilter.java
* /OPT/COLA/PERMITS/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
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* /OPT/COLA/PERMITS/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
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* /OPT/COLA/PERMITS/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/ORG/SPRINGFRAMEWORK/ldap/core/support/CollectingNameClassPairCallbackHandler.java
* /OPT/COLA/PERMITS/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/ORG/SPRINGFRAMEWORK/ldap/filter/NotFilter.java
* /OPT/COLA/PERMITS/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/ORG/SPRINGFRAMEWORK/ldap/configurationException.java
* /OPT/COLA/PERMITS/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/ORG/SPRINGFRAMEWORK/ldap/core/AttributesMapper.java
* /OPT/COLA/PERMITS/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
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* /OPT/COLA/PERMITS/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
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* /OPT/COLA/PERMITS/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
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jar/ORG/SPRINGFRAMEWORK/ldap/core/LdapEntryIdentification.java
* /OPT/COLA/PERMITS/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/ORG/SPRINGFRAMEWORK/ldap/core/CollectingNameClassPairCallbackHandler.java
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* /OPT/COLA/PERMITS/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/ORG/SPRINGFRAMEWORK/ldap/ldapReferralException.java
* /OPT/COLA/PERMITS/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/ORG/SPRINGFRAMEWORK/ldap/uncategorizedLdapException.java
* /OPT/COLA/PERMITS/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/ORG/SPRINGFRAMEWORK/ldap/pool/validation/DefaultDirContextValidator.java
* /OPT/COLA/PERMITS/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/ORG/SPRINGFRAMEWORK/ldap/filter/abstractFilter.java
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jar/org/springframework/ldap/SizeLimitExceededException.java
* /opt/cola/permits/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/org/springframework/transaction/compensating/support/AbstractCompensatingTransactionManagerDelegate.java
* /opt/cola/permits/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/org/springframework/ldap/core/support/AbstractContextMapper.java
* /opt/cola/permits/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/org/springframework/ldap/support/AttributeValueCallbackHandler.java
* /opt/cola/permits/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/org/springframework/ldap/core/support/AbstractContextMapperCallbackHandler.java
* /opt/cola/permits/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
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* /opt/cola/permits/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
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* /opt/cola/permits/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
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* /opt/cola/permits/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/org/springframework/ldap>NameAlreadyBoundException.java
* /opt/cola/permits/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
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* /opt/cola/permits/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
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* /opt/cola/permits/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/org/springframework/ldap/core/SearchExecutor.java
* /opt/cola/permits/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/org/springframework/ldap/core/support/BaseLdapPathAware.java
* /opt/cola/permits/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/org/springframework/transaction/compensating/CompensatingTransactionOperationRecorder.java
* /opt/cola/permits/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/org/springframework/ldap/core/AuthenticationSource.java
* /opt/cola/permits/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/org/springframework/ldap/core/SearchExecutor.java
* /opt/cola/permits/1124846575_1611186000.6/0/spring-ldap-core-1-3-1-release-sources-
jar/org/springframework/transaction/compensating/support/CompensatingTransactionHolderSupport.java

25967
1.2526 pykube 0.15.1
1.2526.1 Available under license:
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Metadata-Version: 2.0
Name: pykube
Version: 0.15.1
Summary: Python client library for Kubernetes
Home-page: https://github.com/kelproject/pykube
Author: Eldarion, Inc.
Author-email: development@eldarion.com
License: Apache
Platform: UNKNOWN
Classifier: Development Status :: 3 - Alpha
Classifier: Environment :: Web Environment
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: Apache Software License
Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python
Python client library for Kubernetes

Kel is an open source Platform as a Service (PaaS) from Eldarion, Inc. that makes it easy to manage web application deployment and hosting through the entire lifecycle from development through testing to production. It adds components and tools on top of Kubernetes that help developers manage their application infrastructure. Kel builds on Eldarion's 7+ years experience running one of the leading Python and Django PaaSes.

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Features
--------

* HTTP interface using requests using kubeconfig for authentication
* Python native querying of Kubernetes API objects

Installation
-------------

To install pykube, use pip::

    pip install pykube

Usage
-----

Query for all ready pods in a custom namespace:

.. code:: python

    import operator
    import pykube

    api = pykube.HTTPClient(pykube.KubeConfig.from_file("/Users/<username>/.kube/config"))
    pods = pykube.Pod.objects(api).filter(namespace="gondor-system")
    ready_pods = filter(operator.attrgetter("ready"), pods)

Selector query:

.. code:: python

    pods = pykube.Pod.objects(api).filter(
        namespace="gondor-system",
        selector={"gondor.io/name__in": ["api-web", "api-worker"]},
    )
    pending_pods = pykube.objects.Pod.objects(api).filter(
        field_selector={"status.phase": "Pending"}
    )

Watch query:

.. code:: python

    watch = pykube.Job.objects(
        api,
        namespace="gondor-system")
    .filter(field_selector={"metadata.name": "my-job"})
    .watch()

    # watch is a generator:
    for watch_event in watch:
        print(watch.type) # 'ADDED', 'DELETED', 'MODIFIED'
print(watch.object) # pykube.Job object

Create a ReplicationController:

.. code:: python

    obj = {
        "apiVersion": "v1",
        "kind": "ReplicationController",
        "metadata": {
            "name": "my-rc",
            "namespace": "gondor-system"
        },
        "spec": {
            "replicas": 3,
            "selector": {
                "app": "nginx"
            },
            "template": {
                "metadata": {
                    "labels": {
                        "app": "nginx"
                    }
                },
                "spec": {
                    "containers": [
                        {  
                            "name": "nginx",
                            "image": "nginx",
                            "ports": [
                                {  
                                    "containerPort": 80
                                }
                            ]
                        }
                    ]
                }
            }
        }
    }
    pykube.ReplicationController(api, obj).create()

Delete a ReplicationController:

.. code:: python

    obj = {
        "apiVersion": "v1",
        "kind": "ReplicationController",
        "metadata": {
            "name": "my-rc",
            "namespace": "gondor-system"
        }
    }

"name": "my-re",
"namespace": "gondor-system"
}
}
pykube.ReplicationController(api, obj).delete()

Check server version:

.. code:: python

    api = pykube.HTTPClient(pykube.KubeConfig.from_file("/Users/<username>/.kube/config"))
    api.version

Requirements
-------------

* Python 2.7 or 3.3+
* requests (included in `install_requires``)
* PyYAML (included in `install_requires``)

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  0.15.1.dist-info/METADATA
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1ubuntu0~16.04.13
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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

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

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1.2530 npm-pick-manifest 1.0.4

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1.2535 jetty-http 9.2.12.v20150709

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common/test-lexer.c common/test-message.c
common/test-path.c common/test-url.c
p11-kit/iter.c p11-kit/iter.h p11-kit/test-iter.c
p11-kit/test-proxy.c p11-kit/virtual.h p11-kit/test-util.c
trust/frob-nss-trust.c trust/test-parser.c
trust/test-persist.c
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Files: p11-kit/mock-module-ep.c p11-kit/test-progname.c
Copyright: 2012 Stefan Walter
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Files: debian/*
Copyright: 2011 Chris Coulson <chris.coulson@canonical.com>
2011-2013 Andreas Metzler <ametzler@debian.org>
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Files: po/de.po
Copyright: 2011 Chris Leick
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Files: po/fi.po
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Timo Jyrinki <timo.jyrinki@iki.fi>, 2012
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1.2543 python-matplotlib 2.1.1-2ubuntu3
1.2543.1 Available under license :

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Open Source Used In DNAC Frost Platform Maglev 1.7.0 26104
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Version 1.00B
Notice Copyright (c) 1997 American Mathematical Society. All Rights Reserved.
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26112
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Open Source Used in DNAC Frost Platform Maglev 1.7.0 1.7.283 26167
patch.linewidth: 0.5
patch.facecolor: #348ABD  # blue
patch.edgecolor: white
patch.antialiased: True

font.size: 10.0

axes.facecolor: E5E5E5
axes.edgecolor: white
axes.linewidth: 1
axes.grid: True
axes.titlesize: x-large
axes.labelsize: large
axes.labelcolor: 555555
axes.axisbelow: True       # grid/ticks are below elements (e.g., lines, text)

axes.prop_cycle: cycler('color', ['E24A33', '348ABD', '988ED5', '777777', 'FBC15E', '8EBA42', 'FFB5B8'])
                      # E24A33 : red
# 348ABD : blue
# 988ED5 : purple
# 777777 : gray
# FBC15E : yellow
# 8EBA42 : green
# FFB5B8 : pink

xtick.color: 555555
xtick.direction: out

ytick.color: 555555
xtick.direction: out

grid.color: white
grid.linestyle: -  # solid line

figure.facecolor: white
figure.edgecolor: 0.50
# Seaborn paper context
figure.figsize: 6.4, 4.4
axes.labelsize: 8.8
axes.titlesize: 9.6
xtick.labelsize: 8
ytick.labelsize: 8
legend.fontsize: 8

grid.linewidth: 0.8
lines.linewidth: 1.4
patch.linewidth: 0.24
lines.markersize: 5.6
lines.markeredgewidth: 0

xtick.major.width: 0.8
ytick.major.width: 0.8
xtick.minor.width: 0.4
ytick.minor.width: 0.4

xtick.major.pad: 5.6
ytick.major.pad: 5.6
StartFontMetrics 2.0
Comment Copyright (c) 1985, 1987, 1989, 1990 Adobe Systems Incorporated. All rights reserved.
Comment Creation Date: Thu Mar 15 08:58:00 1990
Comment UniqueID 28352
Comment VMusage 26389 33281
FontName Helvetica
FullName Helvetica
FamilyName Helvetica
Weight Medium
C -1 ; WX 260 ; N brokenbar ; B 94 -19 167 737 ;
C -1 ; WX 834 ; N onehalf ; B 43 -19 773 703 ;
EndCharMetrics
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StartKernPairs 250

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KPX A v -40
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KPX A Y -100
KPX A W -50
KPX A V -70
KPX A U -50
KPX A T -120
KPX A Q -30
KPX A O -30
KPX A G -30
KPX A C -30

KPX B period -20
KPX B comma -20
KPX B U -10

KPX C period -30
KPX C comma -30

KPX D period -70
KPX D comma -70
KPX D Y -90
KPX D W -40
KPX D V -70
KPX D A -40

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KPX F o -30
KPX F e -30
KPX F comma -150
KPX F a -50
KPX F A -80

KPX J u -20
KPX J period -30
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KPX J a -20
KPX J A -20
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KPX K u -30
KPX K o -40
KPX K e -40
KPX K O -50

KPX L y -30
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KPX L quotedblright -140
KPX L Y -140
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KPX T r -120
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KPX n u -10

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KPX o comma -40

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KPX p comma -35

KPX period space -60
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KPX period quotedblright -100
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KPX w comma -60
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KPX x e -30

KPX y period -100
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KPX y e -20
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KPX z o -15
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EndKernPairs
EndKernData
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CC Aring 2 ; PCC A 0 0 ; PCC ring 167 175 ;
CC Atilde 2 ; PCC A 0 0 ; PCC tilde 167 195 ;
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CC Uotilde 2 ; PCC U 0 0 ; PCC tilde 195 195 ;
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CC Ydieresis 2 ; PCC Y 0 0 ; PCC dieresis 167 195 ;
CC Zcaron 2 ; PCC Z 0 0 ; PCC caron 139 195 ;
CC aacute 2 ; PCC a 0 0 ; PCC acute 112 0 ;
CC acircumflex 2 ; PCC a 0 0 ; PCC circumflex 112 0 ;
CC adieresis 2 ; PCC a 0 0 ; PCC dieresis 112 0 ;
grid.color: b2b2b2
grid.linestyle: --
grid.linewidth: 0.5

legend.fancybox: True

xtick.direction: in
ytick.direction: in

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KPX Abreve Uring -50
KPX Abreve V -105
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KPX Abreve quoteright -37
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26218
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283  26227
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26245
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26247
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FamilyName Helvetica
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UnderlinePosition -100
UnderlineThickness 50
Version 001.007
Notice Copyright (c) 1985, 1987, 1989, 1990 Adobe Systems Incorporated. All Rights Reserved. Helvetica is a trademark of Linotype AG and/or its subsidiaries.
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26264
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Font Metrics for the 14 PDF Core Fonts
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Font Metrics 2.0
Comment Creation Date: Thu Jun 21 22:23:20 1990
Comment UniqueID 5000774
FontName CMEX10
EncodingScheme FontSpecific
FullName CMEX10
FamilyName Computer Modern
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283  26303
CapHeight 722
XHeight 475
Ascender 737
Descender -205
StartCharMetrics 228
C 32 ; WX 287 ; N space ; B 0 0 0 0 ;
C 33 ; WX 296 ; N exclam ; B 53 -15 243 737 ;
C 34 ; WX 333 ; N quotedbl ; B 0 378 333 737 ;
C 35 ; WX 574 ; N numbsign ; B 36 0 538 690 ;
C 36 ; WX 574 ; N dollar ; B 25 -141 549 810 ;
C 37 ; WX 833 ; N percent ; B 14 -15 819 705 ;
C 38 ; WX 852 ; N ampersand ; B 34 -15 818 737 ;
C 39 ; WX 241 ; N quoteright ; B 22 378 220 737 ;
C 40 ; WX 389 ; N parenleft ; B 77 -117 345 745 ;
C 41 ; WX 389 ; N parenright ; B 44 -117 312 745 ;
C 42 ; WX 500 ; N asterisk ; B 54 302 446 737 ;
C 43 ; WX 606 ; N plus ; B 50 0 556 506 ;
C 44 ; WX 278 ; N comma ; B 40 -184 238 175 ;
C 45 ; WX 333 ; N hyphen ; B 42 174 291 302 ;
C 46 ; WX 278 ; N period ; B 44 -15 234 175 ;
C 47 ; WX 278 ; N slash ; B -42 -15 320 737 ;
C 48 ; WX 574 ; N zero ; B 27 -15 547 705 ;
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C 50 ; WX 574 ; N two ; B 19 0 531 705 ;
C 51 ; WX 574 ; N three ; B 23 -15 531 705 ;
C 52 ; WX 574 ; N four ; B 19 0 547 705 ;
C 53 ; WX 574 ; N five ; B 32 -15 534 705 ;
C 54 ; WX 574 ; N six ; B 27 -15 547 705 ;
C 55 ; WX 574 ; N seven ; B 45 -15 547 705 ;
C 56 ; WX 574 ; N eight ; B 27 -15 548 705 ;
C 57 ; WX 574 ; N nine ; B 27 -15 547 705 ;
C 58 ; WX 278 ; N colon ; B 44 -15 234 185 ;
C 59 ; WX 278 ; N semicolon ; B 40 -184 238 485 ;
C 60 ; WX 606 ; N less ; B 50 -9 556 515 ;
C 61 ; WX 606 ; N equal ; B 50 103 556 403 ;
C 62 ; WX 606 ; N greater ; B 50 -9 556 515 ;
C 63 ; WX 500 ; N question ; B 23 -15 477 737 ;
C 64 ; WX 747 ; N at ; B -2 -15 750 737 ;
C 65 ; WX 759 ; N A ; B -19 0 778 737 ;
C 66 ; WX 778 ; N B ; B 19 0 739 722 ;
C 67 ; WX 778 ; N C ; B 39 -15 723 737 ;
C 68 ; WX 833 ; N D ; B 19 0 794 722 ;
C 69 ; WX 759 ; N E ; B 19 0 708 722 ;
C 70 ; WX 722 ; N F ; B 19 0 697 722 ;
C 71 ; WX 833 ; N G ; B 39 -15 818 737 ;
C 72 ; WX 870 ; N H ; B 19 0 851 722 ;
C 73 ; WX 444 ; N I ; B 29 0 415 722 ;
C 74 ; WX 648 ; N J ; B 6 -15 642 722 ;
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26311
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KPX w period -100
KPX w comma -100
KPX y period -100
KPX y comma -100
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EndKernData
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CC Acircumflex 2 ; PCC A 0 0 ; PCC circumflex 213 227 ;
CC Adieresis 2 ; PCC A 0 0 ; PCC dieresis 213 227 ;
CC Agrave 2 ; PCC A 0 0 ; PCC grave 213 227 ;
CC Aring 2 ; PCC A 0 0 ; PCC ring 213 227 ;
CC Atilde 2 ; PCC A 0 0 ; PCC tilde 213 227 ;
CC Eacute 2 ; PCC E 0 0 ; PCC acute 213 227 ;
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CC Egrave 2 ; PCC E 0 0 ; PCC grave 213 227 ;
CC Iacute 2 ; PCC I 0 0 ; PCC acute 56 227 ;
CC Icircumflex 2 ; PCC I 0 0 ; PCC circumflex 56 227 ;
CC Idieresis 2 ; PCC I 0 0 ; PCC dieresis 56 227 ;
CC Igrave 2 ; PCC I 0 0 ; PCC grave 56 227 ;
CC Ntilde 2 ; PCC N 0 0 ; PCC tilde 250 227 ;
CC Oacute 2 ; PCC O 0 0 ; PCC acute 250 227 ;
CC Ocircumflex 2 ; PCC O 0 0 ; PCC circumflex 250 227 ;
CC Odieresis 2 ; PCC O 0 0 ; PCC dieresis 250 227 ;
CC Ograve 2 ; PCC O 0 0 ; PCC grave 250 227 ;
CC Ugrave 2 ; PCC U 0 0 ; PCC grave 250 227 ;
CC Yacute 2 ; PCC Y 0 0 ; PCC acute 195 227 ;
CC Ydieresis 2 ; PCC Y 0 0 ; PCC dieresis 195 227 ;
CC Zcaron 2 ; PCC Z 0 0 ; PCC caron 167 227 ;
CC aacute 2 ; PCC a 0 0 ; PCC acute 139 0 ;
CC acircumflex 2 ; PCC a 0 0 ; PCC circumflex 139 0 ;
CC adieresis 2 ; PCC a 0 0 ; PCC dieresis 139 0 ;
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CC aring 2 ; PCC a 0 0 ; PCC ring 139 0 ;
CC atilde 2 ; PCC a 0 0 ; PCC tilde 139 0 ;
CC eacute 2 ; PCC e 0 0 ; PCC acute 121 0 ;
Open Source Used In DNAC Frost Platform Maglev 1.7.0

The Anti-Grain Geometry Project
A high quality rendering engine for C++
http://antigrain.com

Anti-Grain Geometry - Version 2.4
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FullName Helvetica Bold Oblique
FamilyName Helvetica
Weight Bold
ItalicAngle -12
IsFixedPitch false
FontBBox -174 -228 1114 962
UnderlinePosition -100
UnderlineThickness 50
Version 001.007
Notice Copyright (c) 1985, 1987, 1989, 1990 Adobe Systems Incorporated. All Rights Reserved.Helvetica is a
trademark of Linotype AG and/or its subsidiaries.
EncodingScheme AdobeStandardEncoding
CapHeight 718
XHeight 532
Ascender 718
Descender -207
StartCharMetrics 228
C 32 ; WX 278 ; N space ; B 0 0 0 0 ;
C 33 ; WX 333 ; N exclam ; B 94 0 397 718 ;
C 34 ; WX 474 ; N quotedbl ; B 193 447 529 718 ;
C 35 ; WX 556 ; N numbersign ; B 60 0 644 698 ;
C 36 ; WX 556 ; N dollar ; B 67 -115 622 775 ;
C 37 ; WX 889 ; N percent ; B 136 -19 901 710 ;
C 38 ; WX 722 ; N ampersand ; B 89 -19 732 718 ;
C 39 ; WX 278 ; N quoteright ; B 167 445 362 718 ;
C 40 ; WX 333 ; N parenleft ; B 76 -208 470 734 ;
C 41 ; WX 333 ; N parenright ; B -25 -208 369 734 ;
C 42 ; WX 389 ; N asterisk ; B 146 387 481 718 ;
C 43 ; WX 584 ; N plus ; B 82 0 610 506 ;
C 44 ; WX 278 ; N comma ; B 28 -168 245 146 ;
C 45 ; WX 333 ; N hyphen ; B 73 215 379 345 ;
C 46 ; WX 278 ; N period ; B 64 0 245 146 ;
C 47 ; WX 278 ; N slash ; B -37 -19 468 737 ;
C 48 ; WX 556 ; N zero ; B 86 -19 617 710 ;
C 49 ; WX 556 ; N one ; B 173 0 529 710 ;
C 50 ; WX 556 ; N two ; B 26 0 619 710 ;
C 51 ; WX 556 ; N three ; B 65 -19 608 710 ;
C 52 ; WX 556 ; N four ; B 60 0 598 710 ;
C 53 ; WX 556 ; N five ; B 64 -19 636 698 ;
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26325
Open Source Used In DNAC Frost Platform Maglev 1.7.0

1.7.283  26328
KPX J period -20
KPX J comma -20
KPX J A -20

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KPX K u -30
KPX K o -35
KPX K e -15
KPX K O -30

KPX L y -30
KPX L quotertight -140
KPX L quotedblright -140
KPX L Y -120
KPX L W -80
KPX L V -110
KPX L T -90

KPX O period -40
KPX O comma -40
KPX O Y -70
KPX O X -50
KPX O W -50
KPX O V -50
KPX O T -40
KPX O A -50

KPX P period -120
KPX P o -40
KPX P e -30
KPX P comma -120
KPX P a -30
KPX P A -100

KPX Q period 20
KPX Q comma 20
KPX Q U -10

KPX R Y -50
KPX R W -40
KPX R V -50
KPX R U -20
KPX R T -20
KPX R O -20

KPX T y -60
KPX T w -60
KPX T u -90
KPX Y colon -50
KPX Y a -90
KPX Y O -70
KPX Y A -110

KPX a y -20
KPX a w -15
KPX a v -15
KPX a g -10

KPX b y -20
KPX b v -20
KPX b u -20
KPX b l -10

KPX c y -10
KPX c l -20
KPX c k -20
KPX c h -10

KPX colon space -40

KPX comma space -40
KPX comma quoteright -120
KPX comma quotedblright -120

KPX d y -15
KPX d w -15
KPX d v -15
KPX d d -10

KPX e y -15
KPX e x -15
KPX e w -15
KPX e v -15
KPX e period 20
KPX e comma 10

KPX f quoteright 30
KPX f quotedblright 30
KPX f period -10
KPX f o -20
KPX f e -10
KPX f comma -10

KPX g g -10
KPX g e 10
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283  26338
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26349
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26358
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26371
KPX T ocircumflex -120
KPX T odieresis -120
KPX T ograve -120
KPX T ohungarumlaut -120
KPX T omacron -60
KPX T oslash -120
KPX T otilde -60
KPX T period -120
KPX T r -120
KPX T racute -120
KPX T rcaron -120
KPX T rcommaaccent -120
KPX T semicolon -20
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KPX T uacute -120
KPX T ucircumflex -120
KPX T udiereis -120
KPX T ugrave -120
KPX T uhungarumlaut -120
KPX T umacron -60
KPX T uogonek -120
KPX T uring -120
KPX T w -120
KPX T y -120
KPX T yacute -120
KPX T ydieresis -60
KPX T Tcaron A -120
KPX T Tcaron Aacute -120
KPX T Tcaron Abreve -120
KPX T Tcaron Acircumflex -120
KPX T Tcaron Adieresis -120
KPX T Tcaron Agrave -120
KPX T Tcaron Amacron -120
KPX T Tcaron Aogonek -120
KPX T Tcaron Aring -120
KPX T Tcaron Atilde -120
KPX T Tcaron O -40
KPX T Tcaron Oacute -40
KPX T Tcaron Ocircumflex -40
KPX T Tcaron Odieresis -40
KPX T Tcaron Ograve -40
KPX T Tcaron Ohungarumlaut -40
KPX T Tcaron Omacron -40
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KPX T Tcaron Otilde -40
KPX T Tcaron a -120
KPX T Tcaron aacute -120
KPX T Tcaron abreve -60
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26373
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26377
KPX V Odieresis -40
KPX V Ograve -40
KPX V Ohungarumlaut -40
KPX V Omacron -40
KPX V Oslash -40
KPX V Otilde -40
KPX V a -70
KPX V aacute -70
KPX V abreve -70
KPX V acircumflex -70
KPX V adieresis -70
KPX V agrave -70
KPX V amacron -70
KPX V aogonek -70
KPX V aring -70
KPX V atilde -70
KPX V colon -40
KPX V comma -125
KPX V e -80
KPX V eacute -80
KPX V ecaron -80
KPX V ecircumflex -80
KPX V edieresis -80
KPX V edotaccent -80
KPX V egrave -80
KPX V emacron -80
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KPX V hyphen -80
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KPX V oacute -80
KPX V ocaron -80
KPX V ocircumflex -80
KPX V odieresis -80
KPX V ograve -80
KPX V ohungarumlaut -80
KPX V omacron -80
KPX V oslash -80
KPX V otilde -80
KPX V period -125
KPX V semicolon -40
KPX V u -70
KPX V uacute -70
KPX V ucircumflex -70
KPX V udieresis -70
KPX V ugrave -70
KPX V uhungarumlaut -70
KPX V umacron -70
KPX V uogonek -70
KPX V uiring -70
KPX Ydieresis omacron -140
KPX Ydieresis oslash -140
KPX Ydieresis otilde -140
KPX Ydieresis period -140
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KPX amacron v -20
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KPX amacron yacute -30
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26386
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26389
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26395
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26397
Open Source Used In DNAC Frost Platform Maglev 1.7.0

C 45 ; WX 333 ; N hyphen ; B 73 215 379 345 ;
C 46 ; WX 278 ; N period ; B 64 0 245 146 ;
C 47 ; WX 278 ; N slash ; B -37 -19 468 737 ;
C 48 ; WX 556 ; N zero ; B 86 -19 617 710 ;
C 49 ; WX 556 ; N one ; B 173 0 529 710 ;
C 50 ; WX 556 ; N two ; B 26 0 619 710 ;
C 51 ; WX 556 ; N three ; B 65 -19 608 710 ;
C 52 ; WX 556 ; N four ; B 60 0 598 710 ;
C 53 ; WX 556 ; N five ; B 64 -19 636 698 ;
C 54 ; WX 556 ; N six ; B 85 -19 619 710 ;
C 55 ; WX 556 ; N seven ; B 125 0 676 698 ;
C 56 ; WX 556 ; N eight ; B 69 -19 616 710 ;
C 57 ; WX 556 ; N nine ; B 78 -19 615 710 ;
C 58 ; WX 333 ; N colon ; B 92 0 351 512 ;
C 59 ; WX 333 ; N semicolon ; B 56 -168 351 512 ;
C 60 ; WX 584 ; N less ; B 82 -8 655 514 ;
C 61 ; WX 584 ; N equal ; B 58 87 633 419 ;
C 62 ; WX 584 ; N greater ; B 36 -8 609 514 ;
C 63 ; WX 611 ; N question ; B 165 0 671 727 ;
C 64 ; WX 975 ; N at ; B 186 -19 954 737 ;
C 65 ; WX 722 ; N A ; B 20 0 702 718 ;
C 66 ; WX 722 ; N B ; B 64 0 764 718 ;
C 67 ; WX 722 ; N C ; B 107 -19 789 737 ;
C 68 ; WX 722 ; N D ; B 76 0 777 718 ;
C 69 ; WX 667 ; N E ; B 76 0 757 718 ;
C 70 ; WX 611 ; N F ; B 76 0 740 718 ;
C 71 ; WX 778 ; N G ; B 108 -19 817 737 ;
C 72 ; WX 722 ; N H ; B 71 0 804 718 ;
C 73 ; WX 278 ; N I ; B 64 0 367 718 ;
C 74 ; WX 556 ; N J ; B 60 -18 637 718 ;
C 75 ; WX 722 ; N K ; B 87 0 858 718 ;
C 76 ; WX 611 ; N L ; B 76 0 611 718 ;
C 77 ; WX 833 ; N M ; B 69 0 918 718 ;
C 78 ; WX 722 ; N N ; B 69 0 807 718 ;
C 79 ; WX 778 ; N O ; B 107 -19 823 737 ;
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C 81 ; WX 778 ; N Q ; B 107 -52 823 737 ;
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C 83 ; WX 667 ; N S ; B 81 -19 718 737 ;
C 84 ; WX 611 ; N T ; B 140 0 751 718 ;
C 85 ; WX 722 ; N U ; B 116 -19 804 718 ;
C 86 ; WX 667 ; N V ; B 172 0 801 718 ;
C 87 ; WX 944 ; N W ; B 169 0 1082 718 ;
C 88 ; WX 667 ; N X ; B 14 0 791 718 ;
C 89 ; WX 667 ; N Y ; B 168 0 806 718 ;
C 90 ; WX 611 ; N Z ; B 25 0 737 718 ;
C 91 ; WX 333 ; N bracketleft ; B 21 -196 462 722 ;
C 92 ; WX 278 ; N backslash ; B 124 -19 307 737 ;
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26410
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26411
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26427
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KPX Oslash Atilde -50
KPX Oslash T -40
KPX Oslash Tcaron -40
KPX Oslash Tcommaaccent -40
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KPX Oslash W -50
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KPX Oslash comma -40
KPX Oslash period -40
KPX Otilde A -50
KPX Otilde Acute -50
KPX Otilde Abreve -50
KPX Otilde Acircumflex -50

Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26429
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26433
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26436
KPX Ydieresis edotaccent -80
KPX Ydieresis egrave -80
KPX Ydieresis emacron -80
KPX Ydieresis eogonek -80
KPX Ydieresis o -100
KPX Ydieresis oacute -100
KPX Ydieresis ocircumflex -100
KPX Ydieresis odieresis -100
KPX Ydieresis ograve -100
KPX Ydieresis ohungarumlaut -100
KPX Ydieresis omacron -100
KPX Ydieresis oslash -100
KPX Ydieresis otilde -100
KPX Ydieresis period -100
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KPX Ydieresis u -100
KPX Ydieresis uacute -100
KPX Ydieresis ucircumflex -100
KPX Ydieresis udieresis -100
KPX Ydieresis ugrave -100
KPX Ydieresis uhungarumlaut -100
KPX Ydieresis umacron -100
KPX Ydieresis uogonek -100
KPX Ydieresis uring -100
KPX a g -10
KPX a gbreve -10
KPX a gcommaaccent -10
KPX a v -15
KPX a w -15
KPX a y -20
KPX a yacute -20
KPX a ydieresis -20
KPX aacute g -10
KPX aacute gbreve -10
KPX aacute gcommaaccent -10
KPX aacute v -15
KPX aacute w -15
KPX aacute y -20
KPX aacute yacute -20
KPX aacute ydieresis -20
KPX abreve g -10
KPX abreve gbreve -10
KPX abreve gcommaaccent -10
KPX abreve v -15
KPX abreve w -15
KPX abreve y -20
KPX abreve yacute -20
KPX abreve ydieresis -20
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26447
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26453
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AUTHOR

David H. Munro wrote Yorick and Gist. Berkeley Yacc (byacc) generated the Yorick parser. The routines in Math are from LAPACK and FFTPACK; MathC contains C translations by David H. Munro. The algorithms for
Yorick's random number generator and several special functions in Yorick/include were taken from Numerical Recipes by Press, et. al., although the Yorick implementations are unrelated to those in Numerical Recipes. A small amount of code in Gist was adapted from the X11R4 release, copyright M.I.T. -- the complete copyright notice may be found in the (unused) file Gist/host.c.

StartFontMetrics 2.0
Comment Copyright (c) 1985, 1987, 1989, 1990 Adobe Systems Incorporated. All rights reserved.
Comment Creation Date: Thu Mar 15 10:24:18 1990
Comment UniqueID 28362
Comment VMusage 7572 42473
fontName Helvetica-Oblique
fullName Helvetica Oblique
familyName Helvetica
weight Medium
italicAngle -12
isFixedPitch false
fontbbox -170 -225 1116 931
underlineposition -100
underlinethickness 50
version 001.006
Notice Copyright (c) 1985, 1987, 1989, 1990 Adobe Systems Incorporated. All rights reserved. Helvetica is a trademark of Linotype AG and/or its subsidiaries.
encodingScheme AdobeStandardEncoding
capheight 718
xheight 523
ascender 718
descender -207
startcharmetrics 228
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C 33 ; WX 278 ; N exclamation ; B 90 0 340 718 ;
C 34 ; WX 355 ; N doublequote ; B 168 463 438 718 ;
C 35 ; WX 556 ; N numbersign ; B 73 0 631 688 ;
C 36 ; WX 556 ; N dollar ; B 69 -115 617 775 ;
C 37 ; WX 889 ; N percent ; B 147 -19 889 703 ;
C 38 ; WX 667 ; N ampersand ; B 77 -15 647 718 ;
C 39 ; WX 222 ; N dquote ; B 151 463 438 718 ;
C 40 ; WX 333 ; N parenleft ; B 108 -207 454 733 ;
C 41 ; WX 333 ; N parenright ; B -9 -207 337 733 ;
C 42 ; WX 389 ; N asterisk ; B 165 431 475 718 ;
C 43 ; WX 584 ; N plus ; B 85 0 606 505 ;
C 44 ; WX 278 ; N comma ; B 56 -147 214 106 ;
C 45 ; WX 333 ; N hyphen ; B 93 232 357 322 ;
C 46 ; WX 278 ; N period ; B 87 0 214 106 ;
C 47 ; WX 278 ; N slash ; B -21 -19 452 737 ;
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KPX space V -50
KPX space T -50
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KPX v e -25
KPX v comma -80
KPX v a -25
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KPX w o -10
KPX w e -10
KPX w comma -60
KPX w a -15
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KPX y period -100
KPX y o -20
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KPX z o -15
KPX z e -15
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EndKernData
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CC Atilde 2 ; PCC A 0 0 ; PCC tilde 208 195 ;
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CC Igrave 2 ; PCC I 0 0 ; PCC grave 14 195 ;
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CC Oacute 2 ; PCC O 0 0 ; PCC acute 264 195 ;
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CC Ztilde 2 ; PCC Z 0 0 ; PCC tilde 246 195 ;
CC Atilde 2 ; PCC A 0 0 ; PCC tilde 208 195 ;
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26480
KPX fa8

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KPX g r 11
KPX g period -5
KPX g comma -5

KPX h y -20

KPX i v7

KPX k y -15
KPX k o -22
KPX k e -16

KPX l y -7
KPX l w -7

KPX m y -20
KPX m u -11

KPX n y -20
KPX n v -7
KPX n u -11

KPX o y -11
KPX o w -8
KPX o v 6

KPX p y -4
KPX p period 8
KPX p comma 8

KPX period space -18
KPX period quoteright -18
KPX period quotedblright -18

KPX quotedblleft quoteleft 20
KPX quotedblleft A -60

KPX quotedblright space -18

KPX quoteleft A -80

KPX quoteright v -16
KPX quoteright t -22
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KPX y o 8
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KPX y a 8

KPX z e 4
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CC scaron 2 ; PCC s 0 0 ; PCC caron 74 0 ;
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CC ucircumflex 2 ; PCC u 0 0 ; PCC circumflex 176 0 ;
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CC zcaron 2 ; PCC z 0 0 ; PCC caron 63 -10 ;
EndComposites
EndFontMetrics

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# Solarized color palette taken from http://ethanschoonover.com/solarized
# Inspired by, and copied from ggthemes https://github.com/jrnold/ggthemes

#TODO:
#  1. Padding to title from face
#  2. Remove top & right ticks
#  3. Give Title a Magenta Color(?)

#base00  = '#657b83'
#base01  = '#93a1a1'
#base2   = '#e6f6e3'
#base3   = '#586e75'
#Magenta = '#d33682'
#Blue    = '#268bd2'
#cyan    = '#2aa198'
#violet  = '#6c71c4'
#green   = '#f9f0dd'
#orange  = '#cb4b16'

figure.facecolor : FDF6E3
patch.antialiased : True
lines.linewidth : 2.0
lines.solid_capstyle: butt

axes.titlesize : 16
axes.labelsize : 12
axes.labelcolor : 657b83
axes.facecolor : eee8d5
axes.edgecolor : eee8d5
axes.axisbelow : True
axes.prop_cycle : cycler('color', ['268BD2', '2AA198', '859900', 'B58900', 'CB4B16', 'DC322F', 'D33682', '6C71C4'])
# Blue
# Cyan
# Green
# Yellow
# Orange
# Red
# Magenta
# Violet
axes.grid : True
grid.color : fdf6e3 # grid color
grid.linestyle : - # line
grid.linewidth : 1 # in points
### TICKS
xtick.color : 657b83
xtick.direction : out

ytick.color : 657b83
ytick.direction : out
# Set black background default line colors to white.

lines.color: white
patch.edgecolor: white
text.color: white
axes.facecolor: black
axes.edgecolor: white
axes.labelcolor: white
axes.prop_cycle: cycler('color', ['8dd3c7', 'ffe6b3', 'bfbbd9', 'fa8174', '81b1d2', 'fdb462', 'b3de69', 'bc82bd', 'ccee63', 'ffee6f'])

xtick.color: white
ytick.color: white
grid.color: white

figure.facecolor: black
figure.edgecolor: black

savefig.facecolor: black
savefig.edgecolor: black

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==========

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#
# You should have received a copy of the GNU Lesser General Public
# License along with this library; if not, write to the Free Software
# Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA
StartFontMetrics 2.0
Comment Creation Date: Tue Mar 20 12:15:44 1990
Comment UniqueID 28416
Comment VMusage 30487 37379
FontName Times-Roman
FullName Times Roman
FamilyName Times
Weight Roman
ItalicAngle 0
IsFixedPitch false
FontBBox -168 -218 1000 898
UnderlinePosition -100
UnderlineThickness 50
Version 001.007
Notice Copyright (c) 1985, 1987, 1989, 1990 Adobe Systems Incorporated. All Rights Reserved. Times is a trademark of Linotype AG and/or its subsidiaries.
EncodingScheme AdobeStandardEncoding
CapHeight 662
XHeight 450
Ascender 683
Descender -217
StartCharMetrics 228
C 32 ; WX 250 ; N space ; B 0 0 0 0 ;
C 33 ; WX 333 ; N exclam ; B 130 -9 238 676 ;
C 34 ; WX 408 ; N quotedbl ; B 77 431 331 676 ;
C 35 ; WX 500 ; N numbersign ; B 5 0 496 662 ;
C 36 ; WX 500 ; N dollar ; B 44 -87 457 676 ;
C 37 ; WX 833 ; N percent ; B 61 -13 772 676 ;
C 38 ; WX 778 ; N ampersand ; B 42 -13 750 676 ;
C 39 ; WX 333 ; N quotereight ; B 79 433 331 676 ;
C 40 ; WX 333 ; N parenleft ; B 48 -177 304 676 ;
C 41 ; WX 333 ; N parenright ; B 29 -177 285 676 ;
C 42 ; WX 500 ; N asterisk ; B 69 265 432 676 ;
C 43 ; WX 564 ; N plus ; B 30 0 534 506 ;
C 44 ; WX 250 ; N comma ; B 56 -141 195 102 ;
C 45 ; WX 333 ; N hyphen ; B 39 194 285 257 ;
KPX O X -40
KPX O W -35
KPX O V -50
KPX O T -40
KPX O A -35

KPX P period -111
KPX P o 0
KPX P e 0
KPX P comma -111
KPX P a -15
KPX P A -92

KPX Q period 0
KPX Q comma 0
KPX Q U -10

KPX R Y -65
KPX R W -55
KPX R V -80
KPX R U -40
KPX R T -60
KPX R O -40

KPX S period 0
KPX S comma 0

KPX T y -80
KPX T w -80
KPX T u -45
KPX T u -55
KPX T r -35
KPX T period -74
KPX T o -80
KPX T i -35
KPX T hyphen -92
KPX T h 0
KPX T e -70
KPX T comma -74
KPX T colon -50
KPX T a -80
KPX T O -18
KPX T A -93

KPX U period 0
KPX U comma 0
KPX U A -40
KPX a b 0
KPX b y 0
KPX b v -15
KPX b u -20
KPX b period -40
KPX b l 0
KPX b comma 0
KPX b b 0

KPX c y -15
KPX c period 0
KPX c l 0
KPX c k 0
KPX c h 0
KPX c comma 0

KPX colon space 0
KPX comma space 0
KPX comma quoteright -70
KPX comma quotedblright -70

KPX d y 0
KPX d w 0
KPX d v 0
KPX d period 0
KPX d d 0
KPX d comma 0

KPX e y -15
KPX e x -15
KPX e w -25
KPX e v -25
KPX e period 0
KPX e p 0
KPX e g -15
KPX e comma 0
KPX e b 0

KPX f quoteright 55
KPX f quotedblright 0
KPX f period 0
KPX f o 0
KPX f l 0
KPX f i -20
KPX f f -25
KPX f e 0
KPX quotefr left -74
KPX quotefr A -80

KPX quotefr v -50
KPX quotefr t -18
KPX quotefr space -74
KPX quotefr s -55
KPX quotefr r -50
KPX quotefr quotedblright 0
KPX quotefr l -10
KPX quotefr d -50

KPX r y 0
KPX r v 0
KPX r u 0
KPX r t 0
KPX r s 0
KPX r r 0
KPX r q 0
KPX r period -55
KPX r p 0
KPX r o 0
KPX r n 0
KPX r m 0
KPX r l 0
KPX r k 0
KPX r i 0
KPX r hyphen -20
KPX r g -18
KPX r e 0
KPX r d 0
KPX r comma -40
KPX r c 0
KPX r a 0

KPX s w 0

KPX space quotefr left 0
KPX space quotedblleft 0
KPX space Y -90
KPX space W -30
KPX space V -50
KPX space T -18
KPX space A -55

KPX v period -65
KPX v o -20
FontBBox -168 -218 1000 935
UnderlinePosition -100
UnderlineThickness 50
Version 002.000
EncodingScheme AdobeStandardEncoding
CapHeight 676
XHeight 461
Ascender 683
Descender -217
StdHW 44
StdVW 139
StartCharMetrics 315
C 32 ; WX 250 ; N space ; B 0 0 0 0 ;
C 33 ; WX 333 ; N exclamation ; B 81 -13 251 691 ;
C 34 ; WX 555 ; N quotation ; B 83 404 472 691 ;
C 35 ; WX 500 ; N number ; B 4 0 496 700 ;
C 36 ; WX 500 ; N dollar ; B 29 -99 472 750 ;
C 37 ; WX 1000 ; N percent ; B 124 -14 877 692 ;
C 38 ; WX 833 ; N ampersand ; B 62 -16 787 691 ;
C 39 ; WX 333 ; N quotation ; B 79 356 263 691 ;
C 40 ; WX 333 ; N parenthesis ; B 46 -16 306 694 ;
C 41 ; WX 333 ; N parenthesis ; B 27 -16 287 694 ;
C 42 ; WX 500 ; N asterisk ; B 56 255 447 691 ;
C 43 ; WX 570 ; N plus ; B 33 0 537 506 ;
C 44 ; WX 250 ; N comma ; B 39 -180 223 155 ;
C 45 ; WX 333 ; N hyphen ; B 44 171 287 287 ;
C 46 ; WX 250 ; N period ; B 41 -13 210 156 ;
C 47 ; WX 278 ; N slash ; B -24 -19 302 691 ;
C 48 ; WX 500 ; N zero ; B 24 -13 476 688 ;
C 49 ; WX 500 ; N one ; B 65 0 442 688 ;
C 50 ; WX 500 ; N two ; B 17 0 478 688 ;
C 51 ; WX 500 ; N three ; B 16 -14 468 688 ;
C 52 ; WX 500 ; N four ; B 19 0 475 688 ;
C 53 ; WX 500 ; N five ; B 22 -8 470 676 ;
C 54 ; WX 500 ; N six ; B 28 -13 475 688 ;
C 55 ; WX 500 ; N seven ; B 17 0 477 676 ;
C 56 ; WX 500 ; N eight ; B 28 -13 472 688 ;
C 57 ; WX 500 ; N nine ; B 26 -13 473 688 ;
C 58 ; WX 333 ; N colon ; B 82 -13 251 472 ;
C 59 ; WX 333 ; N semicolon ; B 82 -180 266 472 ;
C 60 ; WX 570 ; N less ; B 31 -8 539 514 ;
C 61 ; WX 570 ; N equal ; B 33 107 537 399 ;
C 62 ; WX 570 ; N greater ; B 31 -8 539 514 ;
C 63 ; WX 500 ; N question ; B 57 -13 445 689 ;
C 64 ; WX 930 ; N at ; B 108 -19 822 691 ;
C 65 ; WX 722 ; N A ; B 9 0 689 690 ;
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26509
KPX Adieresis uring -50
KPX Adieresis v -100
KPX Adieresis w -90
KPX Adieresis y -74
KPX Adieresis yacute -74
KPX Adieresis ydieresis -74
KPX Agrave C -55
KPX Agrave Cacute -55
KPX Agrave Ccaron -55
KPX Agrave Ccedilla -55
KPX Agrave G -55
KPX Agrave Gbreve -55
KPX Agrave Gcommaaccent -55
KPX Agrave O -45
KPX Agrave Oacute -45
KPX Agrave Ocircumflex -45
KPX Agrave Odieresis -45
KPX Agrave Ograve -45
KPX Agrave Ohungarumlaut -45
KPX Agrave Omacron -45
KPX Agrave Oslash -45
KPX Agrave Otilde -45
KPX Agrave Q -45
KPX Agrave T -95
KPX Agrave Tcaron -95
KPX Agrave Tcommaaccent -95
KPX Agrave U -50
KPX Agrave Uacute -50
KPX Agrave Ucircumflex -50
KPX Agrave Udieresis -50
KPX Agrave Ugrave -50
KPX Agrave Uhungarumlaut -50
KPX Agrave Umacron -50
KPX Agrave Uogonek -50
KPX Agrave Uring -50
KPX Agrave V -145
KPX Agrave W -130
KPX Agrave Y -100
KPX Agrave Yacute -100
KPX Agrave Ydieresis -100
KPX Agrave p -25
KPX Agrave quoteright -74
KPX Agrave u -50
KPX Agrave uacute -50
KPX Agrave ucircumflex -50
KPX Agrave udieresis -50
KPX Agrave ugrave -50
KPX Agrave uhungarumlaut -50
 KPXD Yacute -40
 KPXD Ydieresis -40
 KPXD period -20
 KPXDcaron A -35
 KPXDcaron Aacute -35
 KPXDcaron Abreve -35
 KPXDcaron Acircumflex -35
 KPXDcaron Adieresis -35
 KPXDcaron Agrave -35
 KPXDcaron Amacron -35
 KPXDcaron Aogonek -35
 KPXDcaron Aring -35
 KPXDcaron Atilde -35
 KPXDcaron V -40
 KPXDcaron W -40
 KPXDcaron Y -40
 KPXDcaron Yacute -40
 KPXDcaron Ydieresis -40
 KPXDcaron period -20
 KPXDcroat A -35
 KPXDcroat Aacute -35
 KPXDcroat Abreve -35
 KPXDcroat Acircumflex -35
 KPXDcroat Adieresis -35
 KPXDcroat Agrave -35
 KPXDcroat Amacron -35
 KPXDcroat Aogonek -35
 KPXDcroat Aring -35
 KPXDcroat Atilde -35
 KPXDcroat V -40
 KPXDcroat W -40
 KPXDcroat Y -40
 KPXDcroat Yacute -40
 KPXDcroat Ydieresis -40
 KPXDcroat period -20
 KPXF A -90
 KPXF Aacute -90
 KPXF Abreve -90
 KPXF Acircumflex -90
 KPXF Adieresis -90
 KPXF Agrave -90
 KPXF Amacron -90
 KPXF Aogonek -90
 KPXF Aring -90
 KPXF Atilde -90
 KPXF a -25
 KPXF aacute -25
 KPXF abreve -25
KPX Uhungarumlaut Aring -60
KPX Uhungarumlaut Atilde -60
KPX Uhungarumlaut comma -50
KPX Uhungarumlaut period -50
KPX Umacron A -60
KPX Umacron Aacute -60
KPX Umacron Abreve -60
KPX Umacron Acircumflex -60
KPX Umacron Adieresis -60
KPX Umacron Agrave -60
KPX Umacron Amacron -60
KPX Umacron Aogonek -60
KPX Umacron Aring -60
KPX Umacron Atilde -60
KPX Umacron comma -50
KPX Umacron period -50
KPX Uogonek A -60
KPX Uogonek Aacute -60
KPX Uogonek Abreve -60
KPX Uogonek Acircumflex -60
KPX Uogonek Adieresis -60
KPX Uogonek Agrave -60
KPX Uogonek Amacron -60
KPX Uogonek Aogonek -60
KPX Uogonek Aring -60
KPX Uogonek Atilde -60
KPX Uogonek comma -50
KPX Uogonek period -50
KPX Uring A -60
KPX Uring Aacute -60
KPX Uring Abreve -60
KPX Uring Acircumflex -60
KPX Uring Adieresis -60
KPX Uring Agrave -60
KPX Uring Amacron -60
KPX Uring Aogonek -60
KPX Uring Aring -60
KPX Uring Atilde -60
KPX Uring comma -50
KPX Uring period -50
KPX V A -135
KPX V Aacute -135
KPX V Abreve -135
KPX V Acircumflex -135
KPX V Adieresis -135
KPX V Agrave -135
KPX V Amacron -135
KPX V Aogonek -135

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KPX V Aring -135
KPX V Atilde -135
KPX V G -30
KPX V Gbreve -30
KPX V Gcommaaccent -30
KPX V O -45
KPX V Oacute -45
KPX V Ocircumflex -45
KPX V Odieresis -45
KPX V Ograve -45
KPX V Ohungarumlaut -45
KPX V Omacron -45
KPX V Oslash -45
KPX V Otilde -45
KPX V a -92
KPX V aacute -92
KPX V abreve -92
KPX V acircumflex -92
KPX V adieresis -92
KPX V agrave -92
KPX V amacron -92
KPX V aogonek -92
KPX V aring -92
KPX V atilde -92
KPX V colon -92
KPX V comma -129
KPX V e -100
KPX V eacute -100
KPX V ecaron -100
KPX V ecircumflex -100
KPX V edieresis -100
KPX V edotaccent -100
KPX V egrave -100
KPX V emacron -100
KPX V eogonek -100
KPX V hyphen -74
KPX V i -37
KPX V iacute -37
KPX V icircumflex -37
KPX V idieresis -37
KPX V igrave -37
KPX V imacron -37
KPX V iogonek -37
KPX V o -100
KPX V oacute -100
KPX V oacute -100
KPX V ocircumflex -100
KPX V odieresis -100
KPX V ograve -100
KPX iogonek v -10
KPX k e -10
KPX k eacute -10
KPX k ecaron -10
KPX k ecircumflex -10
KPX k edieresis -10
KPX k edotaccent -10
KPX k egrave -10
KPX k emacron -10
KPX k eogonek -10
KPX k o -15
KPX k oacute -15
KPX k ocircumflex -15
KPX k odieresis -15
KPX k ograve -15
KPX k ohungarumlaut -15
KPX k omacron -15
KPX k oslash -15
KPX k otilde -15
KPX k y -15
KPX k yacute -15
KPX k ydieresis -15
KPX kcommaaccent e -10
KPX kcommaaccent eacute -10
KPX kcommaaccent ecaron -10
KPX kcommaaccent ecircumflex -10
KPX kcommaaccent edieresis -10
KPX kcommaaccent edotaccent -10
KPX kcommaaccent egrave -10
KPX kcommaaccent emacron -10
KPX kcommaaccent eogonek -10
KPX kcommaaccent o -15
KPX kcommaaccent oacute -15
KPX kcommaaccent ocircumflex -15
KPX kcommaaccent odieresis -15
KPX kcommaaccent ograve -15
KPX kcommaaccent ohungarumlaut -15
KPX kcommaaccent omacron -15
KPX kcommaaccent oslash -15
KPX kcommaaccent otilde -15
KPX kcommaaccent y -15
KPX kcommaaccent yacute -15
KPX kcommaaccent ydieresis -15
KPX n v -40
KPX nacute v -40
KPX ncaron v -40
KPX ntilde v -40
KPX racute e -18
KPX racute eacute -18
KPX racute ecaron -18
KPX racute ecircumflex -18
KPX racute edieresis -18
KPX racute edotaccent -18
KPX racute emacron -18
KPX racute eogonek -18
KPX racute g -10
KPX racute gbreve -10
KPX racute gcommaaccent -10
KPX racute hyphen -37
KPX racute n -15
KPX racute nacute -15
KPX racute ncaron -15
KPX racute ncommaaccent -15
KPX racute ntilde -15
KPX racute o -18
KPX racute oacute -18
KPX racute ocircumflex -18
KPX racute odieresis -18
KPX racute ograve -18
KPX racute ohungarumlaut -18
KPX racute omacron -18
KPX racute oslash -18
KPX racute otilde -18
KPX racute p -10
KPX racute period -100
KPX racute q -18
KPX racute v -10
KPX rcaron c -18
KPX rcaron cacute -18
KPX rcaron ccaron -18
KPX rcaron ccedilla -18
KPX rcaron comma -92
KPX rcaron e -18
KPX rcaron eacute -18
KPX rcaron ecaron -18
KPX rcaron ecircumflex -18
KPX rcaron edieresis -18
KPX rcaron edotaccent -18
KPX rcaron egrave -18
KPX rcaron emacron -18
KPX rcaron eogonek -18
KPX rcaron g -10
KPX rcaron gbreve -10
KPX rcaron gcommaaccent -10
KPX A y -40
KPX A w -40
KPX A v -40
KPX A u -30
KPX A Y -100
KPX A W -50
KPX A V -70
KPX A U -50
KPX A T -120
KPX A Q -30
KPX A O -30
KPX A G -30
KPX A C -30

KPX B period -20
KPX B comma -20
KPX B U -10

KPX C period -30
KPX C comma -30

KPX D period -70
KPX D comma -70
KPX D Y -90
KPX D W -40
KPX D V -70
KPX D A -40

KPX F r -45
KPX F period -150
KPX F o -30
KPX F e -30
KPX F comma -150
KPX F a -50
KPX F A -80

KPX J u -20
KPX J period -30
KPX J comma -30
KPX J a -20
KPX J A -20

KPX K y -50
KPX K u -30
KPX K o -40
KPX K e -40
KPX K O -50
KPX T O -40
KPX T A -120

KPX U period -40
KPX U comma -40
KPX U A -40

KPX V u -70
KPX V semicolon -40
KPX V period -125
KPX V o -80
KPX V hyphen -80
KPX V e -80
KPX V comma -125
KPX V colon -40
KPX V a -70
KPX V O -40
KPX V G -40
KPX V A -80

KPX W y -20
KPX W u -30
KPX W period -80
KPX W o -30
KPX W hyphen -40
KPX W e -30
KPX W comma -80
KPX W a -40
KPX W O -20
KPX W A -50

KPX Y u -110
KPX Y semicolon -60
KPX Y period -140
KPX Y o -140
KPX Y i -20
KPX Y hyphen -140
KPX Y e -140
KPX Y comma -140
KPX Y colon -60
KPX Y a -140
KPX Y O -85
KPX Y A -110

KPX a y -30
KPX a w -20
KPX a v -20
Open Source Used in DNAC Frost Platform Maglev 1.7.0 1.7.283 26571
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283  26579
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26583
 KPX C Q -6
 KPX C O -6
 KPX C G -6
 KPX C C -6

 KPX D u -12
 KPX D r -12
 KPX D period -40
 KPX D o -5
 KPX D i -12
 KPX D h -18
 KPX D e -5
 KPX D comma -40
 KPX D a -15
 KPX D Y -60
 KPX D W -40
 KPX D V -40

 KPX E y -30
 KPX E w -24
 KPX E v -24
 KPX E u -12
 KPX E t -18
 KPX E s -12
 KPX E r -4
 KPX E q -6
 KPX E period 10
 KPX E p -18
 KPX E o -6
 KPX E n -4
 KPX E m -4
 KPX E j -6
 KPX E i -6
 KPX E e -6
 KPX E d -6
 KPX E comma 10
 KPX E c -6
 KPX E b -5
 KPX E a -4
 KPX E Y -6
 KPX E W -6
 KPX E V -6

 KPX F y -18
 KPX F u -12
 KPX F r -36
 KPX F quoterright 20
# Seaborn colorblind palette

```
# Seaborn colorblind palette
axes.prop_cycle: cycler('color', ['0072B2', '009E73', 'D55E00', 'CC79A7', 'F0E442', '56B4E9'])
patch.facecolor: 0072B2
```

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## Version 1.1

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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26606
KPX r o -18
KPX r hyphen -18
KPX r h -18
KPX r g -18
KPX r e -18
KPX r d -18
KPX r comma -74
KPX r c -18

KPX space Y -18
KPX space A -37

KPX v period -111
KPX v comma -111

KPX w period -92
KPX w comma -92

KPX y period -111
KPX y comma -111

EndKernPairs
EndKernData
StartComposites 58
CC Aacute 2 ; PCC A 0 0 ; PCC acute 229 231 ;
CC Acircumflex 2 ; PCC A 0 0 ; PCC circumflex 223 231 ;
CC Adieresis 2 ; PCC A 0 0 ; PCC dieresis 223 231 ;
CC Agrave 2 ; PCC A 0 0 ; PCC grave 215 231 ;
CC Aring 2 ; PCC A 0 0 ; PCC ring 223 231 ;
CC Atilde 2 ; PCC A 0 0 ; PCC tilde 223 231 ;
CC Ccedilla 2 ; PCC C 0 0 ; PCC cedilla 188 0 ;
CC Eacute 2 ; PCC E 0 0 ; PCC acute 139 231 ;
CC Ecircumflex 2 ; PCC E 0 0 ; PCC circumflex 139 231 ;
CC Edieresis 2 ; PCC E 0 0 ; PCC dieresis 139 231 ;
CC Egrave 2 ; PCC E 0 0 ; PCC grave 139 231 ;
CC Iacute 2 ; PCC I 0 0 ; PCC acute 2 231 ;
CC Icircumflex 2 ; PCC I 0 0 ; PCC circumflex 2 231 ;
CC Idieresis 2 ; PCC I 0 0 ; PCC dieresis 2 231 ;
CC Igrave 2 ; PCC I 0 0 ; PCC grave 2 231 ;
CC Ntilde 2 ; PCC N 0 0 ; PCC tilde 249 231 ;
CC Oacute 2 ; PCC O 0 0 ; PCC acute 227 231 ;
CC Ocircumflex 2 ; PCC O 0 0 ; PCC circumflex 227 231 ;
CC Odieresis 2 ; PCC O 0 0 ; PCC dieresis 227 231 ;
CC Ograve 2 ; PCC O 0 0 ; PCC grave 227 231 ;
CC Otilde 2 ; PCC O 0 0 ; PCC tilde 227 243 ;
CC Scaron 2 ; PCC S 0 0 ; PCC caron 96 231 ;
CC Uacute 2 ; PCC U 0 0 ; PCC acute 255 231 ;
CC Ucircumflex 2 ; PCC U 0 0 ; PCC circumflex 247 231 ;
CC Udieresis 2 ; PCC U 0 0 ; PCC dieresis 223 231 ;
legend.frameon: False
legend.numpoints: 1
legend.scatterpoints: 1
xtick.direction: out
ytick.direction: out
xtick.color: .15
ytick.color: .15
axes.axisbelow: True
image.cmap: Greys
font.family: sans-serif
font.sans-serif: Arial, Liberation Sans, DejaVu Sans, Bitstream Vera Sans, sans-serif
grid.linestyle: -
lines.solid_capstyle: round

# Seaborn white parameters
axes.grid: False
axes.facecolor: white
axes.edgecolor: .15
axes.linewidth: 1.25
grid.color: .8
xtick.major.size: 6
xtick.major.size: 6
xtick.minor.size: 3
xtick.minor.size: 3
!$$")"+..17=-2& $$!
!1<@DIRXYWW|d_O8,.(#/&,.0?=6.-0354-)2EP?:TXPE<2#6

2!$"
2)*>>HTUF81%($%,. 4$"!"$$!"'.
%:H?$8JA" &"#=#5(#.6873/+,.01)#%$3*.)
*8XM:"#/6"9>:1)%#!+60")&ET<$+
"$*)$

(--#4 #Q
/
*:!

''$$

#!(0%.7C)J6+

(.)

\$%" "#"! ",=A.IU1&.+: !"""$*/.)%#! #)/+))"3=: &EWK/!!%-.
.%"&#&$%)**)(&**")/1/-,,+-130,(&%&%
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Version 002.000
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283  26678
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EndFontMetrics

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Arlington, MA

and

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# Seaborn common parameters
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# .8 = light_gray
figure.facecolor: white
text.color: .15
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Version 002.000

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Open Source Used In DNAC Frost Platform Maglev 1.7.0

1.7.283
26690
Open Source Used in DNAC Frost Platform Maglev 1.7.0 1.7.283 26691
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StartFontMetrics 2.0
Comment Copyright (c) 1989, 1990, 1991 Adobe Systems Incorporated. All rights reserved.
Comment Creation Date: Tue Sep 17 07:47:21 1991
Comment UniqueID 36347
Comment VMusage 31037 39405
FontName Courier
FullName Courier
FamilyName Courier
Weight Medium
ItalicAngle 0
IsFixedPitch true
FontBBox -28 -250 628 805
UnderlinePosition -100
UnderlineThickness 50
Version 002.004
Notice Copyright (c) 1989, 1990, 1991 Adobe Systems Incorporated. All rights reserved.
EncodingScheme AdobeStandardEncoding
CapHeight 562
XHeight 426
Ascender 629
Descender -157
StartCharMetrics 260
  C 32 ; WX 600 ; N space ; B 0 0 0 0 ;
  C 33 ; WX 600 ; N exclam ; B 236 -15 364 572 ;
  C 34 ; WX 600 ; N quotedbl ; B 187 328 413 562 ;
  C 35 ; WX 600 ; N number ; B 93 -32 507 639 ;
  C 36 ; WX 600 ; N dollar ; B 105 -126 496 662 ;
  C 37 ; WX 600 ; N percent ; B 93 -15 518 622 ;
  C 38 ; WX 600 ; N ampersand ; B 63 -15 538 543 ;
  C 39 ; WX 600 ; N quoteright ; B 213 328 376 562 ;
  C 40 ; WX 600 ; N parenleft ; B 269 -108 440 622 ;
  C 41 ; WX 600 ; N parenright ; B 160 -108 331 622 ;
  C 42 ; WX 600 ; N asterisk ; B 116 257 484 607 ;
  C 43 ; WX 600 ; N plus ; B 80 44 520 470 ;
  C 44 ; WX 600 ; N comma ; B 181 -112 344 122 ;
  C 45 ; WX 600 ; N hyphen ; B 103 231 497 285 ;
  C 46 ; WX 600 ; N period ; B 229 -15 371 109 ;
CC icircumflex 2; PCC dotlessi 0 0; PCC circumflex -30 0;
CC idieresis 2; PCC dotlessi 0 0; PCC dieresis -30 0;
CC igrave 2; PCC dotlessi 0 0; PCC grave -30 0;
CC ntilde 2; PCC n 0 0; PCC tilde 0 0;
CC oacute 2; PCC o 0 0; PCC acute 0 0;
CC ocircumflex 2; PCC o 0 0; PCC circumflex 0 0;
CC odieresis 2; PCC o 0 0; PCC dieresis 0 0;
CC ograve 2; PCC o 0 0; PCC grave 0 0;
CC otilde 2; PCC o 0 0; PCC tilde 0 0;
CC scaron 2; PCC s 0 0; PCC caron 0 0;
CC uacute 2; PCC u 0 0; PCC acute -10 0;
CC ucircumflex 2; PCC u 0 0; PCC circumflex -10 0;
CC udieresis 2; PCC u 0 0; PCC dieresis 0 0;
CC ugrave 2; PCC u 0 0; PCC grave -30 0;
CC yacute 2; PCC y 0 0; PCC acute -20 0;
CC ydieresis 2; PCC y 0 0; PCC dieresis -10 0;
CC zcaron 2; PCC z 0 0; PCC caron 10 0;
EndComposites
EndFontMetrics

# Set all colors to grayscale
# Note: strings of float values are interpreted by matplotlib as gray values.

lines.color: black
patch.facecolor: gray
patch.edgecolor: black
text.color: black
axes.facecolor: white
axes.edgecolor: black
axes.labelcolor: black
# black to light gray
axes.prop_cycle: cycler('color', ['0.00', '0.40', '0.60', '0.70'])

xtick.color: black
ytick.color: black
grid.color: black

figure.facecolor: 0.75
figure.edgecolor: white

image.cmap: gray

savefig.facecolor: white
savefig.edgecolor: white
StartFontMetrics 2.0
Comment Creation Date: Thu Jun 21 22:23:22 1990
Comment UniqueID 5000785
FontName CMMI10
EncodingScheme FontSpecific
FullName CMMI10
FamilyName Computer Modern
Weight Medium
ItalicAngle -14.04
IsFixedPitch false
Version 1.00A
Notice Copyright (c) 1997 American Mathematical Society. All Rights Reserved.
Comment Computer Modern fonts were designed by Donald E. Knuth
FontBBox -32 -250 1048 750
CapHeight 683.333
XHeight 430.556
Ascender 694.444
Descender -194.444
Comment FontID CMMI
Comment DesignSize 10 (pts)
Comment CharacterCodingScheme TeX math italic
Comment Space 0 0 0
Comment Quad 1000
StartCharMetrics 129
C 0 ; WX 615.276 ; N Gamma ; B 39 0 723 680 ;
C 1 ; WX 833.333 ; N Delta ; B 49 0 787 716 ;
C 2 ; WX 762.774 ; N Theta ; B 50 -22 739 705 ;
C 3 ; WX 694.444 ; N Lambda ; B 35 0 666 716 ;
C 4 ; WX 742.361 ; N Xi ; B 53 0 777 677 ;
C 5 ; WX 831.25 ; N Pi ; B 39 0 880 680 ;
C 6 ; WX 779.861 ; N Sigma ; B 59 0 807 683 ;
C 7 ; WX 583.333 ; N Upsilon ; B 29 0 700 705 ;
C 8 ; WX 666.667 ; N Phi ; B 24 0 642 683 ;
C 9 ; WX 612.221 ; N Omega ; B 28 0 692 683 ;
C 10 ; WX 772.396 ; N Omega ; B 80 0 785 705 ;
C 11 ; WX 639.7 ; N alpha ; B 41 -11 601 442 ;
C 12 ; WX 565.625 ; N beta ; B 25 -194 590 705 ;
C 13 ; WX 517.73 ; N gamma ; B 18 -215 542 442 ;
C 14 ; WX 444.444 ; N delta ; B 41 -12 452 705 ;
C 15 ; WX 405.902 ; N epsilon1 ; B 47 -11 376 431 ;
C 16 ; WX 437.5 ; N zeta ; B 47 -205 474 697 ;
C 17 ; WX 496.53 ; N eta ; B 29 -216 496 442 ;
C 18 ; WX 469.442 ; N theta ; B 42 -11 455 705 ;
C 19 ; WX 353.935 ; N iota ; B 56 -11 324 442 ;
C 20 ; WX 576.159 ; N kappa ; B 55 -11 546 442 ;
C 21 ; WX 583.333 ; N lambda ; B 53 -13 547 694 ;
C 22 ; WX 602.548 ; N mu ; B 30 -216 572 442 ;
C 23 ; WX 493.981 ; N nu ; B 53 0 524 442 ;
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Comment The following are bogus kern pairs for TeX positioning of accents

StartKernData
KPX Gamma slash -55.556
KPX Gamma comma -111.111
KPX Gamma period -111.111
KPX Gamma tie 83.333
KPX Delta tie 166.667
KPX Theta tie 83.333
KPX Lambda tie 166.667
KPX Xi tie 83.333
KPX Pi slash -55.556
KPX Pi comma -55.556
KPX Pi period -55.556
KPX Pi tie 55.556
KPX Sigma tie 83.333
KPX Upsilon slash -55.556
KPX Upsilon comma -111.111
KPX Upsilon period -111.111
KPX Upsilon tie 55.556
KPX Phi tie 83.333
KPX Psi slash -55.556
KPX Psi comma -55.556
KPX Psi period -55.556
KPX Psi tie 55.556
KPX Omega tie 83.333
KPX alpha tie 27.778
KPX beta tie 83.333
KPX delta comma -55.556
KPX delta period -55.556
KPX delta tie 55.556
KPX epsilon1 tie 55.556
KPX zeta tie 83.333
KPX eta tie 55.556
KPX theta tie 83.333
KPX iota tie 55.556
KPX mu tie 27.778
KPX nu comma -55.556
KPX nu period -55.556
KPX nu tie 27.778
KPX xi tie 111.111
KPX rho tie 83.333
KPX sigma comma -55.556
KPX sigma period -55.556
KPX tau comma -55.556
KPX tau period -55.556
KPX tau tie 27.778
KPX upsilon tie 27.778
KPX phi tie 83.333
KPX chi tie 55.556
KPX psi tie 111.111
KPX epsilon tie 83.333
KPX thetal tie 83.333
KPX rho1 tie 83.333
KPX sigma1 tie 83.333
KPX phi1 tie 83.333
KPX slash Delta -55.556
KPX slash A -55.556
KPX slash M -55.556
KPX slash N -55.556
KPX slash Y 55.556
KPX slash Z -55.556
KPX partialdiff tie 83.333
KPX A tie 138.889
KPX B tie 83.333
KPX C slash -27.778
KPX C comma -55.556
KPX C period -55.556
KPX C tie 83.333
KPX D tie 55.556
KPX E tie 83.333
KPX F slash -55.556
KPX F comma -111.111
KPX F period -111.111
KPX F tie 83.333
KPX G tie 83.333
KPX H slash -55.556
KPX H comma -55.556
KPX H period -55.556
KPX H tie 55.556
KPX I tie 111.111
KPX J slash -55.556
KPX J comma -111.111
KPX J period -111.111
KPX J tie 166.667
KPX K slash -55.556
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C -1 ; WX 753 ; N Oacute ; B 79 -15 754 890 ;
C -1 ; WX 624 ; N Adieresis ; B -58 0 623 848 ;
C -1 ; WX 622 ; N Zcaron ; B -20 0 703 888 ;
C -1 ; WX 561 ; N agrave ; B 31 -12 563 723 ;
C -1 ; WX 370 ; N threesuperior ; B 59 265 389 680 ;
C -1 ; WX 537 ; N ograve ; B 49 -12 522 723 ;
C -1 ; WX 890 ; N threequarters ; B 105 -24 816 698 ;
C -1 ; WX 770 ; N Eth ; B 12 0 774 692 ;
C -1 ; WX 570 ; N plusminus ; B 58 0 542 556 ;
C -1 ; WX 618 ; N udieresis ; B 89 -12 609 682 ;
C -1 ; WX 453 ; N edieresis ; B 45 -12 490 682 ;
C -1 ; WX 561 ; N aacute ; B 31 -12 571 723 ;
C -1 ; WX 317 ; N iacute ; B 5 0 428 890 ;
C -1 ; WX 345 ; N Uacute ; B 50 461 848 ;
C -1 ; WX 561 ; N adieresis ; B 31 -12 563 682 ;
C -1 ; WX 345 ; N Iacute ; B 5 0 506 890 ;
C -1 ; WX 345 ; N Igrave ; B 5 0 428 890 ;
C -1 ; WX 661 ; N Ccedilla ; B 79 -230 723 707 ;
C -1 ; WX 453 ; N egrave ; B 45 -12 475 723 ;
C -1 ; WX 753 ; N Ocircumflex ; B 79 -15 754 876 ;
C -1 ; WX 604 ; N Thorn ; B 5 0 616 692 ;
C -1 ; WX 561 ; N atilde ; B 31 -12 563 682 ;
C -1 ; WX 794 ; N Udieresis ; B 131 -15 880 848 ;
C -1 ; WX 453 ; N ecircumflex ; B 45 -12 475 720 ;
EndCharMetrics
StartKernData
StartKernPairs 690

KPX A y -20
KPX A x 10
KPX A w -30
KPX A v -30
KPX A u -10
KPX A t -6
KPX A s 15
KPX A r -12
KPX A quoteright -110
KPX A quotedblright -110
KPX A q 10
KPX A p -12
KPX A o -10
KPX A n -18
KPX A m -18
KPX A l -18
KPX A j 6
KPX A h -6
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KPX y quoterright -10
KPX y quotedblright -20
KPX y period -70
KPX y emdash 40
KPX y comma -60

KPX z quoterright -40
KPX z quotedblright -50
KPX z o -6
KPX z e -6
KPX z d -6
KPX z c -6
EndKernPairs
EndKernData
EndFontMetrics
clientid,date,weekdays,gains,prices,up
0,2008-04-30,Wed,-0.52458192906686452,7791404.0091921333,False
1,2008-05-01,Thu,0.076191536201738269,3167180.7366340165,True
2,2008-05-02,Fri,-0.86850970062880861,9589766.9613829032,False
3,2008-05-03,Sat,-0.42701083852713395,8949415.1867596991,True
4,2008-05-04,Sun,0.2532553652693274,937163.44375252665,True
5,2008-05-05,Mon,-0.68151636911081892,949579.8802264629,False
6,2008-05-06,Tue,0.0071911579626532168,7268426.906552773,True
7,2008-05-07,Wed,0.67449747200412147,7517014.782897247,True
8,2008-05-08,Thu,-1.1841008656818983,1920959.5423492221,False
9,2008-05-09,Fri,-1.5803692595811152,8456240.6198725495,False
StartFontMetrics 2.0
Comment Creation Date: Thu Jun 21 22:23:44 1990
Comment UniqueID 5000820
FontName CMSY10
EncodingScheme FontSpecific
FullName CMSY10
FamilyName Computer Modern
Weight Medium
ItalicAngle -14.035
IsFixedPitch false
Version 1.00
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Comment Computer Modern fonts were designed by Donald E. Knuth
FontBBox -29 -960 1116 775
CapHeight 683.333
XHeight 430.556
Ascender 694.444
Descender -960
Comment FontID CMSY
Comment DesignSize 10 (pts)
Comment CharacterCodingScheme TeX math symbols
The following are bogus kern pairs for TeX positioning of accents:

```
EndCharMetrics
Comment The following are bogus kern pairs for TeX positioning of accents
StartKernData
```
StartKernPairs 26
KPX A prime 194.444
KPX B prime 138.889
KPX C prime 138.889
KPX D prime 83.333
KPX E prime 111.111
KPX F prime 111.111
KPX G prime 111.111
KPX H prime 111.111
KPX I prime 27.778
KPX J prime 166.667
KPX K prime 55.556
KPX L prime 138.889
KPX M prime 138.889
KPX N prime 83.333
KPX O prime 111.111
KPX P prime 83.333
KPX Q prime 111.111
KPX R prime 83.333
KPX S prime 138.889
KPX T prime 27.778
KPX U prime 83.333
KPX V prime 27.778
KPX W prime 83.333
KPX X prime 138.889
KPX Y prime 83.333
KPX Z prime 138.889
EndKernPairs
EndKernData
EndFontMetrics

Module creating PyQt4 form dialogs/layouts to edit various type of parameters

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------------------------------------------
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### LINES

# See http://matplotlib.org/api/artist_api.html#module-matplotlib.lines for more information on line properties.
lines.linewidth : 1.0 # line width in points
lines.linestyle : - # solid line
lines.color : b # has no affect on plot(); see axes.prop_cycle
lines.marker : None # the default marker
lines.markeredgewidth : 0.5 # the line width around the marker symbol
lines.markersize : 6 # markersize, in points
lines.dash_joinstyle : round # miter|round|bevel
lines.dash_capstyle : butt # butt|round|projecting
lines.solid_joinstyle : round # miter|round|bevel
lines.solid_capstyle : projecting # butt|round|projecting
lines.antialiased : True # render lines in antialiased (no jaggies)
lines.dashed_pattern : 6, 6
lines.dashdot_pattern : 3, 5, 1, 5
lines.dotted_pattern : 1, 3
lines.scale_dashes: False

### Marker props

markers.fillstyle: full
### PATCHES

Patches are graphical objects that fill 2D space, like polygons or circles. See

http://matplotlib.org/api/artist_api.html#module-matplotlib.patches

**information on patch properties**

- `patch.linewidth` : 1.0  # edge width in points
- `patch.facecolor` : `b`
- `patch.force_edgecolor` : True
- `patch.edgecolor` : `k`
- `patch.antialiased` : True  # render patches in antialiased (no jaggies)

- `hatch.color` : `k`
- `hatch.linewidth` : 1.0

### FONT

Font properties used by text.Text. See

http://matplotlib.org/api/font_manager_api.html for more

**information on font properties.** The 6 font properties used for font matching are given below with their default values.

- **font.family**
  - The font.family property has five values: 'serif' (e.g., Times), 'sans-serif' (e.g., Helvetica), 'cursive' (e.g., Zapf-Chancery), 'fantasy' (e.g., Western), and 'monospace' (e.g., Courier). Each of these font families has a default list of font names in decreasing order of priority associated with them. When `text.usetex` is False, font.family may also be one or more concrete font names.

- **font.style**
  - The font.style property has three values: normal (or roman), italic or oblique. The oblique style will be used for italic, if it is not present.

- **font.variant**
  - The font.variant property has two values: normal or small-caps. For TrueType fonts, which are scalable fonts, small-caps is equivalent to using a font size of 'smaller', or about 83% of the current font size.

- **font.weight**
  - The font.weight property has effectively 13 values: normal, bold, bolder, lighter, 100, 200, 300, ..., 900. Normal is the same as 400, and bold is 700. bolder and lighter are relative values with respect to the current weight.

- **font.stretch**
  - The font.stretch property has 11 values: ultra-condensed, extra-condensed, condensed, semi-condensed, normal, semi-expanded, expanded, extra-expanded, ultra-expanded, wider, and narrower. This property is not currently implemented.
The font.size property is the default font size for text, given in pts. 12pt is the standard value.
font.family : sans-serif
font.style : normal
font.variant : normal
font.weight : normal
font.stretch : normal

note that font.size controls default text sizes. To configure special text sizes tick labels, axes, labels, title, etc, see the rc settings for axes and ticks. Special text sizes can be defined relative to font.size, using the following values: xx-small, x-small, small, medium, large, x-large, xx-large, larger, or smaller
font.size : 12.0
font.sans-serif: DejaVu Sans, Lucida Grande, Verdana, Geneva, Lucid, Arial, Helvetica, Avant Garde, sans-serif
font.cursive : Apple Chancery, Textile, Zapf Chancery, Sand, Script MT, Felipa, cursive
font.fantasy : Comic Sans MS, Chicago, Charcoal, ImpactWestern, Humor Sans, fantasy
font.monospace : DejaVu Sans Mono, Andale Mono, Nimbus Mono L, Courier New, Courier, Fixed, Terminal, monospace

### TEXT
text.color : k

### LaTeX customizations. See http://www.scipy.org/Wiki/Cookbook/Matplotlib/UsingTex
text.usetex : False # use latex for all text handling. The following fonts are supported through the usual rc parameter settings:
# new century schoolbook, bookman, times, palatino,
# zapf chancery, charter, serif, sans-serif, helvetica,
# avant garde, courier, monospace, computer modern roman,
# computer modern sans serif, computer modern typewriter
# If another font is desired which can loaded using the
# LaTeX \usepackage command, please inquire at the
# matplotlib mailing list
text.latex.unicode : False # use "ucs" and "inputenc" LaTeX packages for handling unicode strings.
text.latex.preamble : # IMPROPER USE OF THIS FEATURE WILL LEAD TO LATEX FAILURES
# AND IS THEREFORE UNSUPPORTED. PLEASE DO NOT ASK FOR HELP
# IF THIS FEATURE DOES NOT DO WHAT YOU EXPECT IT TO.
# preamble is a comma separated list of LaTeX statements
# that are included in the LaTeX document preamble.
# An example:
# The following settings allow you to select the fonts in math mode.
# They map from a TeX font name to a fontconfig font pattern.
# These settings are only used if mathtext.fontset is 'custom'.
# Note that this "custom" mode is unsupported and may go away in the
# future.

mathtext.cal : cursive
mathtext.rm : serif
mathtext.tt : monospace
mathtext.it : serif:italic
mathtext.bf : serif:bold
mathtext.sf : sans-serif

mathtext.fontset : cm # Should be 'cm' (Computer Modern), 'stix',
                   # 'stixsans' or 'custom'

mathtext.fallback_to_cm : True # When True, use symbols from the Computer Modern
                           # fonts when a symbol can not be found in one of
                           # the custom math fonts.

mathtext.default : it # The default font to use for math.
                   # Can be any of the LaTeX font names, including
                   # the special name "regular" for the same font
                   # used in regular text.

### AXES
# default face and edge color, default tick sizes,
# default fontsizes for ticklabels, and so on. See
# http://matplotlib.org/api/axes_api.html#module-matplotlib.axes
axes.facecolor : w       # axes background color
axes.edgecolor : k       # axes edge color
axes.linewidth : 1.0     # edge linewidth
axes.grid : False       # display grid or not
axes.grid.which : major
axes.grid.axis : both
axes.titlesize : large  # fontsize of the axes title
axes.titlepad : 5.0     # pad between axes and title in points
axes.titleweight : normal # font weight for axes title
axes.labelsize : medium # fontsize of the x any y labels
axes.labelpad : 5.0     # space between label and axis
axes.labelweight : normal # weight of the x and y labels
axes.labelcolor : k
axes.axisbelow : False   # whether axis gridlines and ticks are below
# the axes elements (lines, text, etc)

axes.formatter.limits : -7, 7 # use scientific notation if log10
# of the axis range is smaller than the
# first or larger than the second
axes.formatter.use_locale : False # When True, format tick labels
# according to the user's locale.
# For example, use ',', as a decimal
# separator in the fr_FR locale.
axes.formatter.use_mathtext : False # When True, use mathtext for scientific
# notation.
axes.formatter.useoffset : True   # If True, the tick label formatter
# will default to labeling ticks relative
# to an offset when the data range is very
# small compared to the minimum absolute
# value of the data.
axes.formatter.offset_threshold : 2 # When useoffset is True, the offset
# will be used when it can remove
# at least this number of significant
# digits from tick labels.

axes.unicode_minus : True  # use unicode for the minus symbol
# rather than hyphen. See
# http://en.wikipedia.org/wiki/Plus_and_minus_signs#Character_codes
axes.prop_cycle : cycler('color', 'bgrcmyk')
# color cycle for plot lines
# as list of string colorspecs:
# single letter, long name, or
# web-style hex
axes.autolimit_mode : round_numbers
axes.xmargin : 0 # x margin. See `axes.Axes.margins`
axes.ymargin : 0 # y margin See `axes.Axes.margins`
axes.spines.bottom : True
axes.spines.left : True
axes.spines.right : True
axes.spines.top : True
polaraxes.grid : True  # display grid on polar axes
axes3d.grid : True  # display grid on 3d axes

date.autoformatter.year : %Y
date.autoformatter.month : %b %Y
date.autoformatter.day : %b %d %Y
date.autoformatter.hour : %H:%M:%S
date.autoformatter.minute : %H:%M:%S.%f
date.autoformatter.second : %H:%M:%S.%f
date.autoformatter.microsecond : %H:%M:%S.%f

### TICKS
# see http://matplotlib.org/api/axis_api.html#matplotlib.axis.Tick

xtick.top : True  # draw ticks on the top side
xtick.bottom : True  # draw ticks on the bottom side
xtick.major.size : 4  # major tick size in points
xtick.minor.size : 2  # minor tick size in points
xtick.minor.visible : False
xtick.major.width : 0.5  # major tick width in points
xtick.minor.width : 0.5  # minor tick width in points
xtick.major.pad : 4  # distance to major tick label in points
xtick.minor.pad : 4  # distance to the minor tick label in points
xtick.color : k  # color of the tick labels
xtick.labelsize : medium  # fontsize of the tick labels
xtick.direction : in  # direction: in, out, or inout
xtick.major.top : True  # draw x axis top major ticks
xtick.major.bottom : True  # draw x axis bottom major ticks
xtick.minor.top : True  # draw x axis top minor ticks
xtick.minor.bottom : True  # draw x axis bottom minor ticks

ytick.left : True  # draw ticks on the left side
ytick.right : True  # draw ticks on the right side
ytick.major.size : 4  # major tick size in points
ytick.minor.size : 2  # minor tick size in points
ytick.minor.visible : False
ytick.major.width : 0.5  # major tick width in points
ytick.minor.width : 0.5  # minor tick width in points
ytick.major.pad : 4  # distance to major tick label in points
ytick.minor.pad : 4  # distance to the minor tick label in points
ytick.color : k  # color of the tick labels
ytick.labelsize : medium  # fontsize of the tick labels
ytick.direction : in  # direction: in, out, or inout
ytick.major.left : True  # draw y axis left major ticks
ytick.major.right : True  # draw y axis right major ticks
ytick.minor.left : True   # draw y axis left minor ticks
ytick.minor.right : True   # draw y axis right minor ticks

### GRIDS
grid.color : k        # grid color
grid.linestyle : :    # dotted
grid.linewidth : 0.5   # in points
grid.alpha : 1.0      # transparency, between 0.0 and 1.0

### Legend
legend.fancybox : False # if True, use a rounded box for the
                     # legend, else a rectangle
legend.loc : upper right
legend.numpoints : 2   # the number of points in the legend line
legend.fontsize : large
legend.borderpad : 0.4  # border whitespace in fontsize units
legend.markerscale : 1.0 # the relative size of legend markers vs. original
# the following dimensions are in axes coords
legend.labelspacing : 0.5 # the vertical space between the legend entries in fraction of fontsize
legend.handlelength : 2.  # the length of the legend lines in fraction of fontsize
legend.handleheight : 0.7 # the height of the legend handle in fraction of fontsize
legend.bordertextpad : 0.8 # the space between the legend line and legend text in fraction of fontsize
legend.borderaxespad : 0.5 # the border between the axes and legend edge in fraction of fontsize
legend.columnspacing : 2.  # the border between the axes and legend edge in fraction of fontsize
legend.shadow : False
legend.frameon : True   # whether or not to draw a frame around legend
legend.framealpha : None # opacity of legend frame
legend.scatterpoints : 3 # number of scatter points
legend.facecolor : inherit # legend background color (when 'inherit' uses axes.facecolor)
legend.edgecolor : inherit # legend edge color (when 'inherit' uses axes.edgecolor)

### FIGURE
# See http://matplotlib.org/api/figure_api.html#matplotlib.figure.Figure
figure.titlesize : medium    # size of the figure title
figure.titleweight : normal  # weight of the figure title
figure.fignsize : 8, 6       # figure size in inches
figure.dpi : 80              # figure dots per inch
figure.facecolor : 0.75      # figure facecolor; 0.75 is scalar gray
figure.edgecolor : w         # figure edgecolor
figure.autolayout : False    # When True, automatically adjust subplot
                             # parameters to make the plot fit the figure
figure.frameon : True

# The figure subplot parameters. All dimensions are a fraction of the
# figure width or height
figure.subplot.left : 0.125  # the left side of the subplots of the figure
figure.subplot.right : 0.9    # the right side of the subplots of the figure
figure.subplot.bottom : 0.1   # the bottom of the subplots of the figure
figure.subplot.top : 0.9      # the top of the subplots of the figure
figure.subplot.wspace : 0.2   # the amount of width reserved for blank space between subplots,
                             # expressed as a fraction of the average axis width
figure.subplot.hspace : 0.2   # the amount of height reserved for white space between subplots,
                             # expressed as a fraction of the average axis height

### IMAGES
image.aspect : equal         # equal | auto | a number
image.interpolation : bilinear # see help(imshow) for options
image.cmap : jet             # gray | jet etc...
image.lut : 256              # the size of the colormap lookup table
image.origin : upper         # lower | upper
image.resample : False
image.composite_image : True

### CONTOUR PLOTS
contour.negative_linestyle : dashed # dashed | solid
contour.corner_mask : True

# errorbar props
errorbar.capsize: 3

# scatter props
scatter.marker: o

### Boxplots
boxplot.bootstrap: None
boxplot.boxprops.color: b
boxplot.boxprops.linestyle: -
boxplot.boxprops.linewidth: 1.0
boxplot.capprops.color: k
boxplot.capprops.linestyle: -
boxplot.capprops.linewidth: 1.0
boxplot.flierprops.color: b
boxplot.flierprops.linestyle: none
boxplot.flierprops.linewidth: 1.0
boxplot.flierprops.marker: +
boxplot.flierprops.markeredgecolor: k
boxplot.flierprops.markerfacecolor: auto
boxplot.flierprops.markersize: 6.0
boxplot.meanline: False
boxplot.meanprops.color: r
boxplot.meanprops.linestyle: -
boxplot.meanprops.linewidth: 1.0
boxplot.medianprops.color: r
boxplot.meanprops.marker: s
boxplot.meanprops.markerfacecolor: r
boxplot.meanprops.markeredgecolor: k
boxplot.meanprops.markersize: 6.0
boxplot.medianprops.linestyle: -
boxplot.medianprops.linewidth: 1.0
boxplot.notch: False
boxplot.patchartist: False
boxplot.showbox: True
boxplot.showcaps: True
boxplot.showfliers: True
boxplot.showmeans: False
boxplot.vertical: True
boxplot.whiskerprops.color: b
boxplot.whiskerprops.linestyle: --
boxplot.whiskerprops.linewidth: 1.0
boxplot.whiskers: 1.5

### Agg rendering
### Warning: experimental, 2008/10/10
agg.path.chunks: 0  # 0 to disable; values in the range
    # 10000 to 100000 can improve speed slightly
    # and prevent an Agg rendering failure
    # when plotting very large data sets,
    # especially if they are very gappy.
    # It may cause minor artifacts, though.
    # A value of 20000 is probably a good
    # starting point.
### SAVING FIGURES
path.simplify : True  # When True, simplify paths by removing "invisible"
    # points to reduce file size and increase rendering
    # speed
path.simplify_threshold : 0.1111111111111111
    # The threshold of similarity below which
    # vertices will be removed in the simplification
    # process
path.snap : True  # When True, rectilinear axis-aligned paths will be snapped to
    # the nearest pixel when certain criteria are met. When False,
    # paths will never be snapped.
path.sketch : None  # May be none, or a 3-tuple of the form (scale, length,
    # randomness).
    # *scale* is the amplitude of the wiggle
    # perpendicular to the line (in pixels). *length*
    # is the length of the wiggle along the line (in
    # pixels). *randomness* is the factor by which
    # the length is randomly scaled.

# the default savefig params can be different from the display params
# e.g., you may want a higher resolution, or to make the figure
# background white
savefig.dpi     : 100   # figure dots per inch
savefig.facecolor: w    # figure facecolor when saving
savefig.edgecolor: w    # figure edgecolor when saving
savefig.format  : png   # png, ps, pdf, svg
savefig.bbox    : standard # 'tight' or 'standard'.
                     # 'tight' is incompatible with pipe-based animation
                     # backends but will work with temporary file based ones:
                     # e.g. setting animation.writer to ffmpeg will not work,
                     # use ffmpeg_file instead
savefig.pad_inches : 0.1  # Padding to be used when bbox is set to 'tight'
savefig.jpeg_quality : 95  # when a jpeg is saved, the default quality parameter.
savefig.transparent : False # setting that controls whether figures are saved with a
                     # transparent background by default
savefig.frameon : True
savefig.orientation : portrait

nbagg.transparent: True

# ps backend params
ps.papersize      : letter  # auto, letter, legal, ledger, A0-A10, B0-B10
ps.useafm         : False   # use of afm fonts, results in small files
ps.usedistiller   : False   # can be: None, ghostscript or xpdf
                         # Experimental: may produce smaller files.
                         # xpdf intended for production of publication quality files,
                         # but requires ghostscript, xpdf and ps2eps
ps.distiller.res  : 6000    # dpi
ps.fonttype       : 3       # Output Type 3 (Type3) or Type 42 (TrueType)

# pdf backend params
pdf.compression   : 6     # integer from 0 to 9
                     # 0 disables compression (good for debugging)
pdf.fonttype      : 3      # Output Type 3 (Type3) or Type 42 (TrueType)
pdf.inheritcolor  : False
pdf.use14corefonts: False

# pgf backend params
pgf.debug         : False
pgf.texsystem     : xelatex
pgf.rcfonts       : True
pgf.preamble      :

# svg backend params
svg.image_inline  : True   # write raster image data directly into the svg file
svg.fonttype      : path   # How to handle SVG fonts:
                     # 'none': Assume fonts are installed on the machine where the SVG will be viewed.
                     # 'path': Embed characters as paths -- supported by most SVG renderers
# 'svgfont': Embed characters as SVG fonts -- supported only by Chrome, Opera and Safari

# Set the verbose flags. This controls how much information
# matplotlib gives you at runtime and where it goes. The verbosity
# levels are: silent, helpful, debug, debug-annoying. Any level is
# inclusive of all the levels below it. If your setting is "debug",
# you'll get all the debug and helpful messages. When submitting
# problems to the mailing-list, please set verbose to "helpful" or "debug"
# and paste the output into your report.
#
# The "fileo" gives the destination for any calls to verbose.report.
# These objects can a filename, or a filehandle like sys.stdout.
#
# You can override the rc default verbosity from the command line by
# giving the flags --verbose-LEVEL where LEVEL is one of the legal
# levels, e.g., --verbose-helpful.
#
# You can access the verbose instance in your code
# from matplotlib import verbose.
verbose.level : silent      # one of silent, helpful, debug, debug-annoying
verbose.fileo : sys.stdout  # a log filename, sys.stdout or sys.stderr

# Event keys to interact with figures/plots via keyboard.
# Customize these settings according to your needs.
# Leave the field(s) empty if you don't need a key-map. (i.e., fullscreen : '')
keymap.fullscreen : f, ctrl+f       # toggling
keymap.home : h, r, home            # home or reset mnemonic
keymap.back : left, c, backspace    # forward / backward keys to enable
keymap.forward : right, v           # left handed quick navigation
keymap.pan : p                       # pan mnemonic
keymap.zoom : o                      # zoom mnemonic
keymap.save : s, ctrl+s             # saving current figure
keymap.quit : ctrl+w, cmd+w          # close the current figure
keymap.grid : g                      # switching on/off a grid in current axes
keymap.yscale : l                    # toggle scaling of y-axes ('log'/linear')
keymap.xscale : k, L                 # toggle scaling of x-axes ('log'/linear')
keymap.all_axes : a                  # enable all axes

###ANIMATION settings
animation.writer : ffmpeg         # MovieWriter 'backend' to use
animation.codec : mpeg4           # Codec to use for writing movie
animation.bitrate: -1             # Controls size/quality tradeoff for movie.
                               # -1 implies let utility auto-determine
animation.frame_format: png       # Controls frame format used by temp files
animation.ffmpeg_path: ffmpeg     # Path to ffmpeg binary. Without full path
# SPATH is searched
animation.ffmpeg_args:  # Additional arguments to pass to ffmpeg

animation.avconv_path: avconv  # Path to avconv binary. Without full path
# SPATH is searched
animation.avconv_args:  # Additional arguments to pass to avconv

animation.mencoder_path: mencoder  # Path to mencoder binary. Without full path
# SPATH is searched
animation.mencoder_args:  # Additional arguments to pass to mencoder

animation.convert_path: convert  # Path to ImageMagick's convert binary.  
# On Windows use the full path since convert  
# is also the name of a system tool.
animation.convert_args:

animation.html: none

__internal.classic_mode: True
# Seaborn dark palette
axes.prop_cycle: cycler('color', ['001C7F', '017517', '8C0900', '7600A1', 'B8860B', '006374'])
patch.facecolor: 001C7F

StartFontMetrics 2.0
Comment Creation Date: Mon Jul  2 22:37:33 1990
Comment UniqueID 31796
Comment VMusage 37415 48307
FontName Palatino-Italic
FullName Palatino Italic
FamilyName Palatino
Weight Medium
ItalicAngle -10
IsFixedPitch false
FontBBox -170 -276 1010 918
UnderlinePosition -100
UnderlineThickness 50
Version 001.005
Notice Copyright (c) 1985, 1987, 1989, 1990 Adobe Systems Incorporated. All Rights Reserved.Palatino is a trademark of Linotype AG and/or its subsidiaries.
EncodingScheme AdobeStandardEncoding
CapHeight 692
XHeight 482
Ascender 733
Descender -276
StartCharMetrics 228
C 32 ; WX 250 ; N space ; B 0 0 0 0 ;  
C 33 ; WX 333 ; N exclam ; B 76 -8 292 733 ;  
C 34 ; WX 500 ; N quotedbl ; B 140 508 455 733 ;  
C 35 ; WX 500 ; N numbersign ; B 4 0 495 692 ;  
C 36 ; WX 500 ; N dollar ; B 15 -113 452 733 ;  
C 37 ; WX 889 ; N percent ; B 74 -7 809 710 ;
### Classic matplotlib plotting style as of v1.5

### LINES

# See http://matplotlib.org/api/artist_api.html#module-matplotlib.lines for more
# information on line properties.
lines.linewidth : 1.0  # line width in points
lines.linestyle : -   # solid line
lines.color : b      # has no affect on plot(); see axes.prop_cycle
lines.marker : None  # the default marker
lines.markeredgewidth : 0.5 # the line width around the marker symbol
lines.markersize : 6   # markersize, in points
lines.dash_joinstyle : round  # miter|round|bevel
lines.dash_capstyle : butt # butt|round|projecting
lines.solid_joinstyle : round  # miter|round|bevel
lines.solid_capstyle : projecting # butt|round|projecting
lines.antialiased : True  # render lines in antialiased (no jaggies)
lines.dashed_pattern : 6, 6
lines.dashdot_pattern : 3, 5, 1, 5
lines.dotted_pattern : 1, 3
lines.scale_dashes: False
### Marker props
```
markers.fillstyle: full
```

### PATCHES
```
# Patches are graphical objects that fill 2D space, like polygons or
circles. See
# http://matplotlib.org/api/artist_api.html#module-matplotlib.patches
# information on patch properties
patch.linewidth : 1.0  # edge width in points
patch.facecolor : b
patch.force_edgecolor : True
patch.edgecolor : k
patch.antialiased : True  # render patches in antialiased (no jaggies)

hatch.color : k
hatch.linewidth : 1.0

hist.bins : 10
```

### FONT
```
#
# font properties used by text.Text. See
# http://matplotlib.org/api/font_manager_api.html for more
# information on font properties. The 6 font properties used for font
# matching are given below with their default values.
#
# The font.family property has five values: 'serif' (e.g., Times),
# 'sans-serif' (e.g., Helvetica), 'cursive' (e.g., Zapf-Chancery),
# 'fantasy' (e.g., Western), and 'monospace' (e.g., Courier). Each of
# these font families has a default list of font names in decreasing
# order of priority associated with them. When text.usetex is False,
# font.family may also be one or more concrete font names.
#
# The font.style property has three values: normal (or roman), italic
# or oblique. The oblique style will be used for italic, if it is not
# present.
#
# The font.variant property has two values: normal or small-caps. For
# TrueType fonts, which are scalable fonts, small-caps is equivalent
# to using a font size of 'smaller', or about 83% of the current font
# size.
#
# The font.weight property has effectively 13 values: normal, bold,
# bolder, lighter, 100, 200, 300, ..., 900. Normal is the same as
# 400, and bold is 700. bolder and lighter are relative values with
# respect to the current weight.
```
# The font.stretch property has 11 values: ultra-condensed,
# extra-condensed, condensed, semi-condensed, normal, semi-expanded,
# expanded, extra-expanded, ultra-expanded, wider, and narrower. This
# property is not currently implemented.
#
# The font.size property is the default font size for text, given in pts.
# 12pt is the standard value.
#
font.family : sans-serif
font.style : normal
font.variant : normal
font.weight : normal
font.stretch : normal

# note that font.size controls default text sizes. To configure
# special text sizes tick labels, axes, labels, title, etc, see the rc
# settings for axes and ticks. Special text sizes can be defined
# relative to font.size, using the following values: xx-small, x-small,
# small, medium, large, x-large, xx-large, larger, or smaller
font.size : 12.0
font.serif : DejaVu Serif, New Century Schoolbook, Century Schoolbook L, Utopia, ITC Bookman, Bookman,
Nimbus Roman No9 L, Times New Roman, Times, Palatino, Charter, serif
font.sans-serif: DejaVu Sans, Lucida Grande, Verdana, Geneva, Lucid, Arial, Helvetica, Avant Garde, sans-serif
font.cursive : Apple Chancery, Textile, Zapf Chancery, Sand, Script MT, Felipa, cursive
font.fantasy : Comic Sans MS, Chicago, Charcoal, ImpactWestern, Humor Sans, fantasy
font.monospace : DejaVu Sans Mono, Andale Mono, Nimbus Mono L, Courier New, Courier, Fixed, Terminal,
monospace

### TEXT
# text properties used by text.Text. See
# http://matplotlib.org/api/artist_api.html#module-matplotlib.text for more
# information on text properties

text.color : k

### LaTeX customizations. See http://www.scipy.org/Wiki/Cookbook/Matplotlib/UsingTex
text.usetex : False # use latex for all text handling. The following fonts
# are supported through the usual rc parameter settings:
# new century schoolbook, bookman, times, palatino,
# zapf chancery, charter, serif, sans-serif, helvetica,
# avant garde, courier, monospace, computer modern roman,
# computer modern sans serif, computer modern typewriter
# If another font is desired which can loaded using the
# LaTeX \usepackage command, please inquire at the
# matplotlib mailing list
text.latex.unicode : False # use "ucs" and "inputenc" LaTeX packages for handling
# unicode strings.
text.latex.preamble : # IMPROPER USE OF THIS FEATURE WILL LEAD TO LATEX FAILURES
# AND IS THEREFORE UNSUPPORTED. PLEASE DO NOT ASK FOR HELP
# IF THIS FEATURE DOES NOT DO WHAT YOU EXPECT IT TO.
# preamble is a comma separated list of LaTeX statements
# that are included in the LaTeX document preamble.
# An example:
# text.latex.preamble : \usepackage{bm},\usepackage{euler}
# The following packages are always loaded with usetex, so
# beware of package collisions: color, geometry, graphicx,
# type1cm, textcomp. Adobe Postscript (PSSNFS) font packages
# may also be loaded, depending on your font settings

text.latex.preview : False

text.hinting : auto  # May be one of the following:
#   'none': Perform no hinting
#   'auto': Use freetype's autohinter
#   'native': Use the hinting information in the
#            font file, if available, and if your
#            freetype library supports it
#   'either': Use the native hinting information,
#            or the autohinter if none is available.
# For backward compatibility, this value may also be
# True === 'auto' or False === 'none'.
text.hinting_factor : 8  # Specifies the amount of softness for hinting in the
#                     horizontal direction. A value of 1 will hint to full
#                     pixels. A value of 2 will hint to half pixels etc.

text.antialiased : True  # If True (default), the text will be antialiased.
# This only affects the Agg backend.

# The following settings allow you to select the fonts in math mode.
# They map from a TeX font name to a fontconfig font pattern.
# These settings are only used if mathtext.fontset is 'custom'.
# Note that this "custom" mode is unsupported and may go away in the
# future.
mathtext.cal : cursive
mathtext.rm : serif
mathtext.tt : monospace
mathtext.it : serif:italic
mathtext.bf : serif:bold
mathtext.sf : sans\-serif
mathtext.fontset : cm  # Should be 'cm' (Computer Modern), 'stix',
# 'stixsans' or 'custom'
mathtext.fallback_to_cm : True  # When True, use symbols from the Computer Modern
# fonts when a symbol can not be found in one of
# the custom math fonts.

mathtext.default : it  # The default font to use for math.
# Can be any of the LaTeX font names, including
# the special name "regular" for the same font
### AXES

# default face and edge color, default tick sizes,  
# default fontsizes for ticklabels, and so on. See
# http://matplotlib.org/api/axes_api.html#module-matplotlib.axes

axes.facecolor      : w       # axes background color
axes.edgecolor      : k       # axes edge color
axes.linewidth      : 1.0     # edge linewidth
axes.grid           : False   # display grid or not
axes.grid.which     : major
axes.grid.axis      : both
axes.titlesize      : large   # fontsize of the axes title
axes.titlepad       : 5.0     # pad between axes and title in points
axes.titleweight    : normal  # font weight for axes title
axes.labelsize      : medium  # fontsize of the x any y labels
axes.labelpad       : 5.0     # space between label and axis
axes.labelweight    : normal  # weight of the x and y labels
axes.labelcolor     : k
axes.axisbelow      : False   # whether axis gridlines and ticks are below
# the axes elements (lines, text, etc)

axes.formatter.limits : -7, 7 # use scientific notation if log10
    # of the axis range is smaller than the
    # first or larger than the second
axes.formatter.use_locale : False # When True, format tick labels
    # according to the user's locale.
    # For example, use ',,' as a decimal
    # separator in the fr_FR locale.
axes.formatter.use_mathtext : False # When True, use mathtext for scientific
    # notation.
axes.formatter.useoffset     : True    # If True, the tick label formatter
    # will default to labeling ticks relative
    # to an offset when the data range is very
    # small compared to the minimum absolute
    # value of the data.
axes.formatter.offset_threshold : 2     # When useoffset is True, the offset
    # will be used when it can remove
    # at least this number of significant
    # digits from tick labels.

axes.unicode_minus  : True    # use unicode for the minus symbol
    # rather than hyphen. See
    # http://en.wikipedia.org/wiki/Plus_and_minus_signs#Character_codes
axes.prop_cycle    : cycler('color', 'bgrcmyk')
    # color cycle for plot lines
    # as list of string colorspecs:
    # single letter, long name, or
# web-style hex
axes.autolimit_mode : round_numbers
axes.xmargin : 0  # x margin. See `axes.Axes.margins`
axes.ymargin : 0  # y margin See `axes.Axes.margins`
axes.spines.bottom : True
axes.spines.left : True
axes.spines.right : True
axes.spines.top : True
polaraxes.grid : True  # display grid on polar axes
axes3d.grid : True  # display grid on 3d axes

date.autoformatter.year : %Y
date.autoformatter.month : %b %Y
date.autoformatter.day : %b %d %Y
date.autoformatter.hour : %H:%M:%S
date.autoformatter.minute : %H:%M:%S.%f
date.autoformatter.second : %H:%M:%S.%f
date.autoformatter.microsecond : %H:%M:%S.%f

### TICKS
# see http://matplotlib.org/api/axis_api.html#matplotlib.axis.Tick

xtick.top : True  # draw ticks on the top side
xtick.bottom : True  # draw ticks on the bottom side
xtick.major.size : 4  # major tick size in points
xtick.minor.size : 2  # minor tick size in points
xtick.minor.visible : False
xtick.major.width : 0.5  # major tick width in points
xtick.minor.width : 0.5  # minor tick width in points
xtick.major.pad : 4  # distance to major tick label in points
xtick.minor.pad : 4  # distance to the minor tick label in points
xtick.color : k  # color of the tick labels
xtick.labelsize : medium  # fontsize of the tick labels
xtick.direction : in  # direction: in, out, or inout
xtick.major.top : True  # draw x axis top major ticks
xtick.major.bottom : True  # draw x axis bottom major ticks
xtick.minor.top : True  # draw x axis top minor ticks
xtick.minor.bottom : True  # draw x axis bottom minor ticks
xtick.alignment : center

ytick.left : True  # draw ticks on the left side
ytick.right : True  # draw ticks on the right side
ytick.major.size : 4  # major tick size in points
ytick.minor.size : 2  # minor tick size in points
ytick.minor.visible : False
ytick.major.width : 0.5  # major tick width in points
ytick.minor.width : 0.5  # minor tick width in points
ytick.major.pad : 4  # distance to major tick label in points
ytick.minor.pad : 4  # distance to the minor tick label in points
tyick.color : k    # color of the tick labels
ytick.labelsize : medium # fontsize of the tick labels
ytick.direction : in    # direction: in, out, or inout
ytick.major.left : True  # draw y axis left major ticks
ytick.major.right : True  # draw y axis right major ticks
ytick.minor.left : True  # draw y axis left minor ticks
ytick.minor.right : True  # draw y axis right minor ticks
ytick.alignment : center

### GRIDS
grid.color : k    # grid color
grid.linestyle : :   # dotted
grid.linewidth : 0.5  # in points
grid.alpha : 1.0   # transparency, between 0.0 and 1.0

### Legend
legend.fancybox : False  # if True, use a rounded box for the
# legend, else a rectangle
legend.loc : upper right
legend.numpoints : 2   # the number of points in the legend line
legend.fontsize : large
legend.borderpad : 0.4  # border whitespace in fontsize units
legend.markerscale : 1.0 # the relative size of legend markers vs. original
# the following dimensions are in axes coords
legend.labelspacing : 0.5  # the vertical space between the legend entries in fraction of fontsize
legend.handlelength : 2.  # the length of the legend lines in fraction of fontsize
legend.handleheight : 0.7 # the height of the legend handle in fraction of fontsize
legend.handletextpad : 0.8 # the space between the legend line and legend text in fraction of fontsize
legend.borderaxespad : 0.5 # the space between the axes and legend edge in fraction of fontsize
legend.columnspacing : 2. # the border between the axes and legend edge in fraction of fontsize
legend.shadow : False
legend.frameon : True   # whether or not to draw a frame around legend
legend.framealpha : None  # opacity of legend frame
legend.scatterpoints : 3 # number of scatter points
legend.facecolor : inherit # legend background color (when 'inherit' uses axes.facecolor)
legend.edgecolor : inherit # legend edge color (when 'inherit' uses axes.edgecolor)

### FIGURE
# See http://matplotlib.org/api/figure_api.html#matplotlib.figure.Figure
figure.titlesize : medium  # size of the figure title
figure.titleweight : normal # weight of the figure title
figure.figsize : 8, 6 # figure size in inches
figure.dpi : 80 # figure dots per inch
figure.facecolor : 0.75 # figure facecolor; 0.75 is scalar gray
figure.edgecolor : w # figure edgecolor
figure.autolayout : False  # When True, automatically adjust subplot parameters to make the plot fit the figure
figure.frameon : True

# The figure subplot parameters. All dimensions are a fraction of the figure width or height
figure.subplot.left    : 0.125  # the left side of the subplots of the figure
figure.subplot.right   : 0.9    # the right side of the subplots of the figure
figure.subplot.bottom  : 0.1    # the bottom of the subplots of the figure
figure.subplot.top     : 0.9    # the top of the subplots of the figure
figure.subplot.wspace  : 0.2    # the amount of width reserved for blank space between subplots, expressed as a fraction of the average axis width
figure.subplot.hspace  : 0.2    # the amount of height reserved for white space between subplots, expressed as a fraction of the average axis height

### IMAGES
image.aspect : equal             # equal | auto | a number
image.interpolation  : bilinear  # see help(imshow) for options
image.cmap   : jet               # gray | jet etc...
image.lut    : 256               # the size of the colormap lookup table
image.origin : upper             # lower | upper
image.resample : False
image.composite_image : True

### CONTOUR PLOTS
contour.negative_linestyle : dashed # dashed | solid
contour.corner_mask : True

# errorbar props
errorbar.capsize: 3

# scatter props
scatter.marker: o

### Boxplots
boxplot.bootstrap: None
boxplot.boxprops.color: b
boxplot.boxprops.linestyle: -
boxplot.boxprops.linewidth: 1.0
boxplot.capprops.color: k
boxplot.capprops.linestyle: -
boxplot.capprops.linewidth: 1.0
boxplot.flierprops.color: b
boxplot.flierprops.linestyle: none
boxplot.flierprops.linewidth: 1.0
boxplot.flierprops.marker: +
boxplot.flierprops.markeredgecolor: k
boxplot.flierprops.markeredgewidth: auto
boxplot.flierprops.markersize: 6.0
boxplot.meanline: False
boxplot.meanprops.color: r
boxplot.meanprops.linestyle: -
boxplot.meanprops.linewidth: 1.0
boxplot.medianprops.color: r
boxplot.medianprops.marker: s
boxplot.medianprops.markerfacecolor: r
boxplot.medianprops.markeredgecolor: k
boxplot.medianprops.markersize: 6.0
boxplot.medianprops.linestyle: -
boxplot.medianprops.linewidth: 1.0
boxplot.notch: False
boxplot.patchartist: False
boxplot.showbox: True
boxplot.showcaps: True
boxplot.showfliers: True
boxplot.showmeans: False
boxplot.vertical: True
boxplot.whiskerprops.color: b
boxplot.whiskerprops.linestyle: --
boxplot.whiskerprops.linewidth: 1.0
boxplot.whiskers: 1.5

### Agg rendering
### Warning: experimental, 2008/10/10
agg.path.chunksize : 0           # 0 to disable; values in the range
# 10000 to 100000 can improve speed slightly
# and prevent an Agg rendering failure
# when plotting very large data sets,
# especially if they are very gappy.
# It may cause minor artifacts, though.
# A value of 20000 is probably a good
# starting point.

### SAVING FIGURES
path.simplify : True   # When True, simplify paths by removing "invisible"
# points to reduce file size and increase rendering
# speed
path.simplify_threshold : 0.1111111111111111
# The threshold of similarity below which
# vertices will be removed in the simplification
# process
path.snap : True # When True, rectilinear axis-aligned paths will be snapped to
# the nearest pixel when certain criteria are met. When False,
# paths will never be snapped.
path.sketch : None # May be none, or a 3-tuple of the form (scale, length,
# randomness).
# *scale* is the amplitude of the wiggle
# perpendicular to the line (in pixels).  *length*
# is the length of the wiggle along the line (in
# pixels).  *randomness* is the factor by which
# the length is randomly scaled.

# the default savefig params can be different from the display params
# e.g., you may want a higher resolution, or to make the figure
# background white
savefig.dpi     : 100     # figure dots per inch
savefig.facecolor: w     # figure facecolor when saving
savefig.edgecolor: w     # figure edgecolor when saving
savefig.format  : png     # png, ps, pdf, svg
savefig.bbox    : standard # 'tight' or 'standard'.
    # 'tight' is incompatible with pipe-based animation
    # backends but will work with temporary file based ones:
    # e.g. setting animation.writer to ffmpeg will not work,
    # use ffmpeg_file instead
savefig.pad_inches: 0.1   # Padding to be used when bbox is set to 'tight'
savefig.jpeg_quality: 95   # when a jpeg is saved, the default quality parameter.
savefig.transparent : False # setting that controls whether figures are saved with a
    # transparent background by default
savefig.frameon : True
savefig.orientation : portrait

nbagg.transparent: True

# ps backend params
ps.papersize     : letter  # auto, letter, legal, ledger, A0-A10, B0-B10
ps.useafm         : False   # use of afm fonts, results in small files
ps.usedistiller   : False   # can be: None, ghostscript or xpdf
    # Experimental: may produce smaller files.
    # xpdf intended for production of publication quality files,
    # but requires ghostscript, xpdf and ps2eps
ps.distiller.res  : 6000    # dpi
ps.fonttype       : 3       # Output Type 3 (Type3) or Type 42 (TrueType)

# pdf backend params
pdf.compression   : 6 # integer from 0 to 9
    # 0 disables compression (good for debugging)
pdf.fonttype      : 3       # Output Type 3 (Type3) or Type 42 (TrueType)
pdf.inheritcolor  : False
pdf.use14corefonts : False

# pgf backend params
pgf.debug         : False
pgf.texsystem     : xelatex
pgf.rcfonts       : True
pgf.preamble      : 

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# svg backend params
svg.image_inline : True  # write raster image data directly into the svg file
svg.fonttype : path     # How to handle SVG fonts:
  #  'none': Assume fonts are installed on the machine where the SVG will be viewed.
  #  'path': Embed characters as paths -- supported by most SVG renderers
  #  'svgfont': Embed characters as SVG fonts -- supported only by Chrome,
  #            Opera and Safari

# Set the verbose flags.  This controls how much information
# matplotlib gives you at runtime and where it goes. The verbosity
# levels are: silent, helpful, debug, debug-annoying. Any level is
# inclusive of all the levels below it. If your setting is "debug",
# you'll get all the debug and helpful messages. When submitting
# problems to the mailing-list, please set verbose to "helpful" or "debug"
# and paste the output into your report.
#
# The "fileo" gives the destination for any calls to verbose.report.
# These objects can be a filename, or a filehandle like sys.stdout.
#
# You can override the rc default verbosity from the command line by
# giving the flags --verbose-LEVEL where LEVEL is one of the legal
# levels, e.g., --verbose-helpful.
#
# You can access the verbose instance in your code
# from matplotlib import verbose.
verbose.level  : silent      # one of silent, helpful, debug, debug-annoying
verbose.fileo  : sys.stdout  # a log filename, sys.stdout or sys.stderr

# Event keys to interact with figures/plots via keyboard.
# Customize these settings according to your needs.
# Leave the field(s) empty if you don't need a key-map. (i.e., fullscreen : '')
keymap.fullscreen : f, ctrl+f   # toggling
keymap.home : h, r, home        # home or reset mnemonic
keymap.back : left, c, backspace # forward / backward keys to enable
keymap.forward : right, v       # left handed quick navigation
keymap.pan : p                 # pan mnemonic
keymap.zoom : o                 # zoom mnemonic
keymap.save : s, ctrl+s         # saving current figure
keymap.quit : ctrl+w, cmd+w     # close the current figure
keymap.grid : g                 # switching on/off a grid in current axes
keymap.yscale : l               # toggle scaling of y-axes ('log'/'linear')
keymap.xscale : k, L            # toggle scaling of x-axes ('log'/'linear')
keymap.all_axes : a             # enable all axes

###ANIMATION settings
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KPX J period -15
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UnderlineThickness 50
Version 001.006

Notice Copyright (c) 1985, 1987, 1989, 1990 Adobe Systems Incorporated. All rights reserved.Helvetica is a
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Notice Copyright (c) 1985, 1987, 1989, 1992 Adobe Systems Incorporated. All Rights Reserved. ITC Bookman is a registered trademark of International Typeface Corporation.
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<td>65 -8 642 725</td>
<td>C -1</td>
<td>WX 540</td>
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<td>N</td>
<td>65 -8 572 688</td>
<td>C -1</td>
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<td>N</td>
<td>84 -17 784 698</td>
<td>C -1</td>
<td>WX 740</td>
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<td>C -1</td>
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KPX F period -97
KPX F comma -98
KPX F A -16

KPX L y 20
KPX L Y 7
KPX L W 9
KPX L V 4

KPX P period -105
KPX P comma -106
KPX P A -30

KPX R Y 11
KPX R W 2
KPX R V 2
KPX R T 65

KPX T semicolon 48
KPX T s -7
KPX T r 67
KPX T period -78
KPX T o 14
KPX T i 71
KPX T hyphen 20
KPX T e 10
KPX T comma -79
KPX T colon 48
KPX T c 16
KPX T a 9
KPX T A -14

KPX V y -14
KPX V u -10
KPX V semicolon -44
KPX V r -20
KPX V period -100
KPX V o -70
KPX V i 3
KPX V hyphen 20
KPX V e -70
KPX V comma -109
KPX V colon -35
KPX V a -70
KPX V A -70

KPX W y -14
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26900
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26901
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26902
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26904
KPX A U -50
KPX A T -70
KPX A Q -24
KPX A O -24
KPX A G -24
KPX A C -24

KPX B y -18
KPX B u -12
KPX B r -12
KPX B period -30
KPX B o -6
KPX B l -12
KPX B i -12
KPX B h -12
KPX B e -6
KPX B comma -20
KPX B a -12
KPX B W -25
KPX B V -20
KPX B U -20
KPX B T -20

KPX C z -18
KPX C y -24
KPX C u -18
KPX C r -6
KPX C o -12
KPX C e -12
KPX C a -12
KPX C Q -6
KPX C O -6
KPX C G -6
KPX C C -6

KPX D y 6
KPX D u -12
KPX D r -12
KPX D quoteright -20
KPX D quotedblright -20
KPX D period -60
KPX D i -6
KPX D h -12
KPX D e -6
KPX D comma -50
KPX D a -6
KPX D Y -45
KPX D W -35
KPX Q V -18
KPX Q U -30
KPX Q T -24
KPX Q A -18

KPX R y -20
KPX R u -12
KPX R quotedright -20
KPX R quotedblright -20
KPX R o -20
KPX R hyphen -30
KPX R e -20
KPX R d -20
KPX R a -12
KPX R Y -45
KPX R W -24
KPX R V -32
KPX R U -30
KPX R T -32
KPX R Q -24
KPX R O -24
KPX R G -24
KPX R C -24

KPX S y -25
KPX S w -30
KPX S v -30
KPX S u -24
KPX S t -24
KPX S r -20
KPX S quotedright -10
KPX S quotedblright -10
KPX S q -5
KPX S p -24
KPX S o -12
KPX S n -20
KPX S m -20
KPX S l -18
KPX S k -24
KPX S j -12
KPX S i -20
KPX S h -12
KPX S e -12
KPX S a -18

KPX T z -64
KPX T y -84
KPX T w -100
KPX Y C -18
KPX Y A -32

KPX Z y -36
KPX Z w -36
KPX Z u -6
KPX Z o -12
KPX Z i -12
KPX Z e -6
KPX Z a -6
KPX Z Q -20
KPX Z O -20
KPX Z G -30
KPX Z C -20
KPX Z A 20

KPX a quotright -70
KPX a quotedblright -80

KPX b y -25
KPX b w -30
KPX b v -35
KPX b quotright -70
KPX b quotedblright -70
KPX b period -40
KPX b comma -40

KPX braceleft Y 64
KPX braceleft W 64
KPX braceleft V 64
KPX braceleft T 54
KPX braceleft J 80

KPX bracketleft Y 64
KPX bracketleft W 64
KPX bracketleft V 64
KPX bracketleft T 54
KPX bracketleft J 80

KPX c quotright -28
KPX c quotedblright -28
KPX c period -10

KPX comma quotright -50
KPX comma quotedblright -50

KPX d quotright -24
KPX d quotedblright -24
KPX R V -55
KPX R U -30
KPX R T -40
KPX R O -30

KPX S period 0
KPX S comma 0

KPX T y -74
KPX T w -74
KPX T u -92
KPX Tsemicolon -74
KPX T r -74
KPX T period -90
KPX T o -92
KPX T i -18
KPX T hyphen -92
KPX T h 0
KPX T e -92
KPX T comma -74
KPX T colon -74
KPX T a -92
KPX T O -18
KPX T A -90

KPX U period -50
KPX U comma -50
KPX U A -60

KPX V u -92
KPX V semicolon -92
KPX V period -145
KPX V o -100
KPX V i -37
KPX V hyphen -74
KPX V e -100
KPX V comma -129
KPX V colon -129
KPX V a -92
KPX V O -45
KPX V G -30
KPX V A -135

KPX W y -60
KPX W u -50
KPX W semicolon -55
KPX W period -92
KPX W o -75
KPX z o 0
KPX z e 0
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EndKernData
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CC Acircumflex 2 ; PCC A 0 0 ; PCC circumflex 188 210 ;
CC Adieresis 2 ; PCC A 0 0 ; PCC dieresis 188 210 ;
CC Agrave 2 ; PCC A 0 0 ; PCC grave 188 210 ;
CC Aring 2 ; PCC A 0 0 ; PCC ring 180 195 ;
CC Atilde 2 ; PCC A 0 0 ; PCC tilde 188 210 ;
CC Ccedilla 2 ; PCC C 0 0 ; PCC cedilla 208 0 ;
CC Eacute 2 ; PCC E 0 0 ; PCC acute 174 210 ;
CC Ecircumflex 2 ; PCC E 0 0 ; PCC circumflex 174 210 ;
CC Edieresis 2 ; PCC E 0 0 ; PCC dieresis 174 210 ;
CC Egrave 2 ; PCC E 0 0 ; PCC grave 174 210 ;
CC Iacute 2 ; PCC I 0 0 ; PCC acute 28 210 ;
CC Icircumflex 2 ; PCC I 0 0 ; PCC circumflex 28 210 ;
CC Idieresis 2 ; PCC I 0 0 ; PCC dieresis 28 210 ;
CC Igrave 2 ; PCC I 0 0 ; PCC grave 28 210 ;
CC Ntilde 2 ; PCC N 0 0 ; PCC tilde 195 210 ;
CC Oacute 2 ; PCC O 0 0 ; PCC acute 223 210 ;
CC Ocircumflex 2 ; PCC O 0 0 ; PCC circumflex 223 210 ;
CC Odieresis 2 ; PCC O 0 0 ; PCC dieresis 223 210 ;
CC Ograve 2 ; PCC O 0 0 ; PCC grave 223 210 ;
CC Otilde 2 ; PCC O 0 0 ; PCC tilde 223 210 ;
CC Scaron 2 ; PCC S 0 0 ; PCC caron 112 210 ;
CC Uacute 2 ; PCC U 0 0 ; PCC acute 222 210 ;
CC Ucircumflex 2 ; PCC U 0 0 ; PCC circumflex 222 210 ;
CC Udieresis 2 ; PCC U 0 0 ; PCC dieresis 222 210 ;
CC Ugrave 2 ; PCC U 0 0 ; PCC grave 222 210 ;
CC Yacute 2 ; PCC Y 0 0 ; PCC acute 210 215 ;
CC Ydieresis 2 ; PCC Y 0 0 ; PCC dieresis 210 215 ;
CC Zcaron 2 ; PCC Z 0 0 ; PCC caron 167 210 ;
CC aacute 2 ; PCC a 0 0 ; PCC acute 77 0 ;
CC acircumflex 2 ; PCC a 0 0 ; PCC circumflex 77 0 ;
CC adieresis 2 ; PCC a 0 0 ; PCC dieresis 77 0 ;
CC agrave 2 ; PCC a 0 0 ; PCC grave 77 0 ;
CC aring 2 ; PCC a 0 0 ; PCC ring 77 0 ;
CC atilde 2 ; PCC a 0 0 ; PCC tilde 77 0 ;
CC ccedilla 2 ; PCC c 0 0 ; PCC cedilla 69 0 ;
CC eacute 2 ; PCC e 0 0 ; PCC acute 62 0 ;
CC ecircumflex 2 ; PCC e 0 0 ; PCC circumflex 62 0 ;
CC edieresis 2 ; PCC e 0 0 ; PCC dieresis 62 0 ;
CC egrave 2 ; PCC e 0 0 ; PCC grave 62 0 ;
CC iacute 2 ; PCC i 0 0 ; PCC acute -34 0 ;
CC icircumflex 2 ; PCC i 0 0 ; PCC circumflex -34 0 ;
CC idieresis 2 ; PCC i 0 0 ; PCC dieresis -34 0 ;

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This is the sample data needed for some of matplotlib's examples and docs. See matplotlib.cbook.get_sample_data for more info.

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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283  26946
| C 134 ; WX 509 ; N 205 ; B 35 0 475 692 |
| C 135 ; WX 509 ; N 85 ; B 35 0 475 692 |
| C 136 ; WX 410 ; N 206 ; B 35 0 375 692 |
| C 137 ; WX 410 ; N 86 ; B 35 0 375 692 |
| C 138 ; WX 234 ; N 87 ; B 35 -14 199 705 |
| C 139 ; WX 234 ; N 88 ; B 35 -14 199 705 |
| C 140 ; WX 334 ; N 95 ; B 35 0 299 692 |
| C 141 ; WX 334 ; N 96 ; B 35 0 299 692 |
| C 161 ; WX 732 ; N 101 ; B 35 -143 697 806 |
| C 162 ; WX 544 ; N 102 ; B 56 -14 488 706 |
| C 163 ; WX 544 ; N 103 ; B 34 -14 508 705 |
| C 164 ; WX 910 ; N 104 ; B 35 40 875 651 |
| C 165 ; WX 667 ; N 106 ; B 35 -14 633 705 |
| C 166 ; WX 760 ; N 107 ; B 35 -14 726 705 |
| C 167 ; WX 760 ; N 108 ; B 0 121 758 569 |
| C 168 ; WX 776 ; N 112 ; B 35 0 741 705 |
| C 169 ; WX 595 ; N 111 ; B 34 -14 560 705 |
| C 170 ; WX 694 ; N 110 ; B 35 -14 659 705 |
| C 171 ; WX 626 ; N 109 ; B 34 0 591 705 |
| C 172 ; WX 788 ; N 120 ; B 35 -14 754 705 |
| C 173 ; WX 788 ; N 121 ; B 35 -14 754 705 |
| C 174 ; WX 788 ; N 122 ; B 35 -14 754 705 |
| C 175 ; WX 788 ; N 123 ; B 35 -14 754 705 |
| C 176 ; WX 788 ; N 124 ; B 35 -14 754 705 |
| C 177 ; WX 788 ; N 125 ; B 35 -14 754 705 |
| C 178 ; WX 788 ; N 126 ; B 35 -14 754 705 |
| C 179 ; WX 788 ; N 127 ; B 35 -14 754 705 |
| C 180 ; WX 788 ; N 128 ; B 35 -14 754 705 |
| C 181 ; WX 788 ; N 129 ; B 35 -14 754 705 |
| C 182 ; WX 788 ; N 130 ; B 35 -14 754 705 |
| C 183 ; WX 788 ; N 131 ; B 35 -14 754 705 |
| C 184 ; WX 788 ; N 132 ; B 35 -14 754 705 |
| C 185 ; WX 788 ; N 133 ; B 35 -14 754 705 |
| C 186 ; WX 788 ; N 134 ; B 35 -14 754 705 |
| C 187 ; WX 788 ; N 135 ; B 35 -14 754 705 |
| C 188 ; WX 788 ; N 136 ; B 35 -14 754 705 |
| C 189 ; WX 788 ; N 137 ; B 35 -14 754 705 |
| C 190 ; WX 788 ; N 138 ; B 35 -14 754 705 |
| C 191 ; WX 788 ; N 139 ; B 35 -14 754 705 |
| C 192 ; WX 788 ; N 140 ; B 35 -14 754 705 |
| C 193 ; WX 788 ; N 141 ; B 35 -14 754 705 |
| C 194 ; WX 788 ; N 142 ; B 35 -14 754 705 |
| C 195 ; WX 788 ; N 143 ; B 35 -14 754 705 |
| C 196 ; WX 788 ; N 144 ; B 35 -14 754 705 |
| C 197 ; WX 788 ; N 145 ; B 35 -14 754 705 |
| C 198 ; WX 788 ; N 146 ; B 35 -14 754 705 |
| C 199 ; WX 788 ; N 147 ; B 35 -14 754 705 |
| C 200 ; WX 788 ; N 148 ; B 35 -14 754 705 |

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KPX w period -55
KPX w comma -55

KPX y period -92
KPX y comma -92
EndKernPairs
EndKernData
StartComposites 58
CC Zcaron 2 ; PCC Z 0 0 ; PCC caron 139 202 ;
CC zcaron 2 ; PCC z 0 0 ; PCC caron 83 0 ;
CC Scaron 2 ; PCC S 0 0 ; PCC caron 139 202 ;
CC scaron 2 ; PCC s 0 0 ; PCC caron 83 0 ;
CC Ccedilla 2 ; PCC C 0 0 ; PCC cedilla 194 0 ;
CC ccedilla 2 ; PCC c 0 0 ; PCC cedilla 111 0 ;
CC Yacute 2 ; PCC Y 0 0 ; PCC acute 139 202 ;
CC yacute 2 ; PCC y 0 0 ; PCC acute 83 0 ;
CC Ydieresis 2 ; PCC Y 0 0 ; PCC dieresis 139 202 ;
CC ydieresis 2 ; PCC y 0 0 ; PCC dieresis 83 0 ;
CC Uacute 2 ; PCC U 0 0 ; PCC acute 194 202 ;
CC Ucircumflex 2 ; PCC U 0 0 ; PCC circumflex 194 202 ;
CC Udieresis 2 ; PCC U 0 0 ; PCC dieresis 194 202 ;
CC Ugrave 2 ; PCC U 0 0 ; PCC grave 194 202 ;
CC Uacute 2 ; PCC u 0 0 ; PCC acute 111 0 ;
CC Ucircumflex 2 ; PCC u 0 0 ; PCC circumflex 111 0 ;
CC Udieresis 2 ; PCC u 0 0 ; PCC dieresis 111 0 ;
CC Ugrave 2 ; PCC u 0 0 ; PCC grave 111 0 ;
CC Iacute 2 ; PCC I 0 0 ; PCC acute -47 202 ;
CC Icircumflex 2 ; PCC I 0 0 ; PCC circumflex -47 202 ;
CC Idieresis 2 ; PCC I 0 0 ; PCC dieresis -47 202 ;
CC Igrave 2 ; PCC I 0 0 ; PCC grave -27 202 ;
CC Iacute 2 ; PCC dotlessi 0 0 ; PCC acute -75 0 ;
CC icircumflex 2 ; PCC dotlessi 0 0 ; PCC circumflex -75 0 ;
CC Idieresis 2 ; PCC dotlessi 0 0 ; PCC dieresis -75 0 ;
CC Igrave 2 ; PCC dotlessi 0 0 ; PCC grave -55 0 ;
CC Iacute 2 ; PCC E 0 0 ; PCC acute 139 202 ;
CC Ecircumflex 2 ; PCC E 0 0 ; PCC circumflex 139 202 ;
CC Edieresis 2 ; PCC E 0 0 ; PCC dieresis 139 202 ;
CC Egrave 2 ; PCC E 0 0 ; PCC grave 139 202 ;
CC Eacute 2 ; PCC e 0 0 ; PCC acute 111 0 ;
CC ecircumflex 2 ; PCC e 0 0 ; PCC circumflex 111 0 ;
CC edieresis 2 ; PCC e 0 0 ; PCC dieresis 111 0 ;
CC egrave 2 ; PCC e 0 0 ; PCC grave 111 0 ;
CC Aacute 2 ; PCC A 0 0 ; PCC acute 167 202 ;
CC Acircumflex 2 ; PCC A 0 0 ; PCC circumflex 167 202 ;
CC Adieresis 2 ; PCC A 0 0 ; PCC dieresis 167 202 ;
CC Agrave 2 ; PCC A 0 0 ; PCC grave 167 202 ;
CC aacute 2 ; PCC a 0 0 ; PCC acute 111 0 ;
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26972
KPX A W -74
KPX A V -74
KPX A U -37
KPX A T -30
KPX A Q -18
KPX A O -18
KPX A G -18
KPX A C -18

KPX B period -50
KPX B comma -50

KPX C period -50
KPX C comma -50

KPX D period -50
KPX D comma -50
KPX D Y -18
KPX D W -18
KPX D V -18

KPX F r -55
KPX F period -125
KPX F o -55
KPX F i -10
KPX F e -55
KPX F comma -125
KPX F a -55
KPX F A -35

KPX G period -50
KPX G comma -50

KPX J u -18
KPX J period -100
KPX J o -37
KPX J e -37
KPX J comma -100
KPX J a -37
KPX J A -18

KPX L y -50
KPX L quoteright -125
KPX L quotedblright -125
KPX L Y -100
KPX L W -100
KPX L V -100
KPX L T -100
KPX N period -60
KPX N comma -60

KPX O period -50
KPX O comma -50
KPX O Y -18
KPX O X -18
KPX O V -18
KPX O T 18

KPX P period -125
KPX P o -55
KPX P e -55
KPX P comma -125
KPX P a -55
KPX P A -50

KPX Q period -20
KPX Q comma -20

KPX R Y -18
KPX R W -18
KPX R V -18
KPX R U -18

KPX S period -50
KPX S comma -50

KPX T y -50
KPX T w -50
KPX T u -50
KPX T semicolon -50
KPX T r -50
KPX T period -100
KPX T o -74
KPX T i -18
KPX T hyphen -100
KPX T h -25
KPX T e -74
KPX T comma -100
KPX T colon -50
KPX T a -74
KPX T O 18

KPX U period -100
KPX U comma -100
KPX U A -18
KPX s period -50
KPX s comma -50

KPX semicolon space -37

KPX space quoteleft -37
KPX space quotedblleft -37
KPX space Y -37
KPX space W -37
KPX space V -37
KPX space T -37
KPX space A -37

KPX v period -75
KPX v comma -75

KPX w period -75
KPX w comma -75

KPX y period -75
KPX y comma -75
EndKernPairs
EndKernData
StartComposites 56
CC Aacute 2 ; PCC A 0 0 ; PCC acute 246 256 ;
CC Acircumflex 2 ; PCC A 0 0 ; PCC circumflex 246 256 ;
CC Adieresis 2 ; PCC A 0 0 ; PCC dieresis 231 256 ;
CC Agrave 2 ; PCC A 0 0 ; PCC grave 246 256 ;
CC Aring 2 ; PCC A 0 0 ; PCC ring 216 246 ;
CC Atilde 2 ; PCC A 0 0 ; PCC tilde 231 256 ;
CC Eacute 2 ; PCC E 0 0 ; PCC acute 255 256 ;
CC Ecircumflex 2 ; PCC E 0 0 ; PCC circumflex 255 256 ;
CC Edieresis 2 ; PCC E 0 0 ; PCC dieresis 255 256 ;
CC Egrave 2 ; PCC E 0 0 ; PCC grave 255 256 ;
CC Iacute 2 ; PCC I 0 0 ; PCC acute 97 256 ;
CC Icircumflex 2 ; PCC I 0 0 ; PCC circumflex 97 256 ;
CC Idieresis 2 ; PCC I 0 0 ; PCC dieresis 97 256 ;
CC Igrave 2 ; PCC I 0 0 ; PCC grave 97 256 ;
CC Ntilde 2 ; PCC N 0 0 ; PCC tilde 301 256 ;
CC Oacute 2 ; PCC O 0 0 ; PCC acute 283 256 ;
CC Ocircumflex 2 ; PCC O 0 0 ; PCC circumflex 283 256 ;
CC Odieresis 2 ; PCC O 0 0 ; PCC dieresis 283 256 ;
CC Ograve 2 ; PCC O 0 0 ; PCC grave 283 256 ;
CC Otilde 2 ; PCC O 0 0 ; PCC tilde 283 256 ;
CC Scaron 2 ; PCC S 0 0 ; PCC caron 227 256 ;
CC Uacute 2 ; PCC U 0 0 ; PCC acute 301 256 ;
CC Ucircumflex 2 ; PCC U 0 0 ; PCC circumflex 301 256 ;
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26985
StartKernPairs 283

KPX A y -74
KPX A w -74
KPX A v -74
KPX A u -30
KPX A quoterright -74
KPX A quotedblright 0
KPX A p 0
KPX A Y -70
KPX A W -100
KPX A V -95
KPX A U -50
KPX A T -55
KPX A Q -55
KPX A O -50
KPX A G -60
KPX A C -65

KPX B period 0
KPX B comma 0
KPX B U -10
KPX B A -25

KPX D period 0
KPX D comma 0
KPX D Y -50
KPX D W -40
KPX D V -50
KPX D A -25

KPX F r -50
KPX F period -129
KPX F o -70
KPX F i -40
KPX F e -100
KPX F comma -129
KPX F a -95
KPX F A -100

KPX G period 0
KPX G comma 0

KPX J u -40
KPX J period -10
KPX J o -40
KPX J e -40
KPX J comma -10
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26989

KPX S period 0
KPX S comma 0

KPX T y -37
KPX T w -37
KPX T u -37
KPX T semicolon -74
KPX T r -37
KPX T period -92
KPX T o -95
KPX T i -37
KPX T hyphen -92
KPX T h 0
KPX T e -92
KPX T comma -92
KPX T colon -74
KPX T a -92
KPX T O -18
KPX T A -55

KPX U period 0
KPX U comma 0
KPX U A -45

KPX V u -55
KPX V semicolon -74
KPX V period -129
KPX V o -111
KPX V i -55
KPX V hyphen -70
KPX V e -111
KPX V comma -129
KPX V colon -74
KPX V a -111
KPX V O -30
KPX V G -10
KPX V A -85

KPX W y -55
KPX W u -55
KPX W semicolon -55
KPX W period -74
KPX W o -80
KPX W i -37
KPX W hyphen -50
KPX W h 0
KPX W e -90
KPX W comma -74
CC ograve 2 ; PCC o 0 0 ; PCC grave 74 0 ;
CC otilde 2 ; PCC o 0 0 ; PCC tilde 84 0 ;
CC scaron 2 ; PCC s 0 0 ; PCC caron 28 0 ;
CC uacute 2 ; PCC u 0 0 ; PCC acute 112 0 ;
CC ucircumflex 2 ; PCC u 0 0 ; PCC circumflex 112 0 ;
CC udieresis 2 ; PCC u 0 0 ; PCC dieresis 97 0 ;
CC ugrave 2 ; PCC u 0 0 ; PCC grave 102 0 ;
CC yacute 2 ; PCC y 0 0 ; PCC acute 56 0 ;
CC zcaron 2 ; PCC z 0 0 ; PCC caron 13 0 ;
EndComposites
EndFontMetrics
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Comment Creation Date: Thu May 1 12:43:52 1997
Comment UniqueID 43052
Comment VMusage 37169 48194
FontName Helvetica-Bold
FullName Helvetica Bold
FamilyName Helvetica
Weight Bold
ItalicAngle 0
IsFixedPitch false
CharacterSet ExtendedRoman
FontBBox -170 -228 1003 962
UnderlinePosition -100
UnderlineThickness 50
Version 002.000
EncodingScheme AdobeStandardEncoding
CapHeight 718
XHeight 532
Ascender 718
Descender -207
StdHW 118
StdVW 140
StartCharMetrics 315
C 32 ; WX 278 ; N space ; B 0 0 0 0 ;
C 33 ; WX 333 ; N exclamation ; B 90 0 244 718 ;
C 34 ; WX 474 ; N quotedbl ; B 98 447 376 718 ;
C 35 ; WX 556 ; N numbersign ; B 18 0 538 698 ;
C 36 ; WX 556 ; N dollar ; B 30 -115 523 775 ;
C 37 ; WX 889 ; N percent ; B 28 -19 861 710 ;
C 38 ; WX 722 ; N ampersand ; B 54 -19 701 718 ;
C 39 ; WX 278 ; N rightparen ; B 69 445 209 718 ;
C 40 ; WX 333 ; N leftparen ; B 35 -208 314 734 ;
C 41 ; WX 333 ; N less ; B 19 -208 298 734 ;

Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 26995
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 27001
C -1 ; WX 278 ; N Iogonek ; B -11 -228 222 718 ;
C -1 ; WX 556 ; N kcommaaccent ; B 69 -228 562 718 ;
C -1 ; WX 584 ; N minus ; B 40 197 544 309 ;
C -1 ; WX 278 ; N Icircumflex ; B -37 0 316 936 ;
C -1 ; WX 611 ; N ncaron ; B 65 0 546 750 ;
C -1 ; WX 333 ; N tcommaaccent ; B 10 -228 309 676 ;
C -1 ; WX 584 ; N logicalnot ; B 40 108 544 419 ;
C -1 ; WX 611 ; N odieresis ; B 34 -14 578 729 ;
C -1 ; WX 611 ; N udieresis ; B 66 -14 545 729 ;
C -1 ; WX 549 ; N notequal ; B 15 -49 540 570 ;
C -1 ; WX 611 ; N gcommaaccent ; B 40 -217 553 850 ;
C -1 ; WX 611 ; N eth ; B 34 -14 578 737 ;
C -1 ; WX 500 ; N zcaron ; B 20 0 480 750 ;
C -1 ; WX 611 ; N ncommaaccent ; B 65 -228 546 546 ;
C -1 ; WX 333 ; N onesuperior ; B 26 283 237 710 ;
C -1 ; WX 278 ; N imaaron ; B -8 0 285 678 ;
C -1 ; WX 556 ; N Euro ; B 0 0 0 0 ;
EndCharMetrics
StartKernData
StartKernPairs 2481
KPX A C -40
KPX A Cacute -40
KPX A Ccaron -40
KPX A Ccedilla -40
KPX A G -50
KPX A Gbreve -50
KPX A Gcommaaccent -50
KPX A O -40
KPX A Oacute -40
KPX A Ocircumflex -40
KPX A Odieres -40
KPX A Ograve -40
KPX A Ohungarumlaut -40
KPX A Omacron -40
KPX A Oslash -40
KPX A Otilde -40
KPX A Q -40
KPX A T -90
KPX A Tcaron -90
KPX A Tcommaaccent -90
KPX A U -50
KPX A Uacute -50
KPX A Ucircuitumflex -50
KPX A Udieres -50
KPX A Ugrave -50
KPX A Uhungarumlaut -50
KPX A Umacron -50
KPX A Uogonek -50
KPX Aring Uring -50
KPX Aring V -80
KPX Aring W -60
KPX Aring Y -110
KPX Aring Yacute -110
KPX Aring Ydieresis -110
KPX Aring u -30
KPX Aring uacute -30
KPX Aring ucircumflex -30
KPX Aring udieresis -30
KPX Aring ugrave -30
KPX Aring uhungarumlaut -30
KPX Aring umacron -30
KPX Aring uogonek -30
KPX Aring uming -30
KPX Aring v -40
KPX Aring w -30
KPX Aring y -30
KPX Aring yacute -30
KPX Aring ydieresis -30
KPX Atilde C -40
KPX Atilde Cacute -40
KPX Atilde Ccaron -40
KPX Atilde Ccedilla -40
KPX Atilde G -50
KPX Atilde Gbreve -50
KPX Atilde Gcommaaccent -50
KPX Atilde O -40
KPX Atilde Oacute -40
KPX Atilde Ocircumflex -40
KPX Atilde Odieresis -40
KPX Atilde Ograve -40
KPX Atilde Ohungarumlaut -40
KPX Atilde Omacron -40
KPX Atilde Oslash -40
KPX Atilde Otilde -40
KPX Atilde Q -40
KPX Atilde T -90
KPX Atilde Tcaron -90
KPX Atilde Tcommaaccent -90
KPX Atilde U -50
KPX Atilde Uacute -50
KPX Atilde Ucircumflex -50
KPX Atilde Udieresis -50
KPX Atilde Ugrave -50
KPX Atilde Uhungarumlaut -50
KPX Atilde Umacron -50
KPX Atilde Uogonek -50
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283  27021
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 27043
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 27046
KPX v oslash -30
KPX v otilde -30
KPX v period -80
KPX w comma -40
KPX w o -20
KPX w oacute -20
KPX w ocircumflex -20
KPX w odieresis -20
KPX w ograve -20
KPX w ohungarumlaut -20
KPX w omacron -20
KPX w oslash -20
KPX w otilde -20
KPX w period -40
KPX x e -10
KPX x eacute -10
KPX x ecaron -10
KPX x ecircumflex -10
KPX x edieresis -10
KPX x edotaccent -10
KPX x egrave -10
KPX x emacron -10
KPX x eogonek -10
KPX y a -30
KPX y aacute -30
KPX y abreve -30
KPX y acircumflex -30
KPX y adieresis -30
KPX y agrave -30
KPX y amacron -30
KPX y aogonek -30
KPX y aring -30
KPX y atilde -30
KPX y comma -80
KPX y e -10
KPX y eacute -10
KPX y ecaron -10
KPX y ecircumflex -10
KPX y edieresis -10
KPX y edotaccent -10
KPX y egrave -10
KPX y emacron -10
KPX y eogonek -10
KPX y o -25
KPX y oacute -25
KPX y oacute -25
KPX y odieresis -25
KPX y ograve -25
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    <title>embedding_in_wx3</title>
    <object class="wxPanel" name="MainPanel">
      <object class="wxBoxSizer">
        <orient>wxVERTICAL</orient>
        <object class="sizeritem">
          <object class="wxStaticText">
            <label>Check out this whizz-bang stuff!</label>
            <style>wxALIGN_CENTRE</style>
          </object>
          <option>0</option>
          <flag>wxALL|wxEXPAND</flag>
          <border>5</border>
        </object>
        <object class="sizeritem">
          <object class="wxBoxSizer">
            <orient>wxHORIZONTAL</orient>
            <object class="sizeritem">
              <object class="wxButton" name="whiz_button">
                <label>whiz</label>
              </object>
              <option>0</option>
              <flag>wxALL|wxEXPAND</flag>
              <border>2</border>
            </object>
            <object class="sizeritem">
              <object class="wxButton" name="bang_button">
                <label>bang</label>
              </object>
              <option>0</option>
              <flag>wxALL|wxEXPAND</flag>
              <border>2</border>
            </object>
            <object class="sizeritem">
              <object class="wxStaticText">
                <label>bang count:</label>
                <style>wxALIGN_RIGHT</style>
              </object>
            </object>
          </object>
        </object>
      </object>
    </object>
  </object>
</resource>
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 27056

StdVW 106
StartCharMetrics 315
C 32 ; WX 600 ; N space ; B 0 0 0 0 ;
C 33 ; WX 600 ; N exclam ; B 215 -15 495 572 ;
C 34 ; WX 600 ; N quotedbl ; B 211 277 585 562 ;
C 35 ; WX 600 ; N numbersign ; B 88 -45 641 651 ;
C 36 ; WX 600 ; N dollar ; B 87 -126 630 666 ;
C 37 ; WX 600 ; N percent ; B 101 -15 625 616 ;
C 38 ; WX 600 ; N ampersand ; B 61 -15 595 543 ;
C 39 ; WX 600 ; N quoteright ; B 229 277 543 562 ;
C 40 ; WX 600 ; N parenleft ; B 265 -102 592 616 ;
C 41 ; WX 600 ; N parenright ; B 117 -102 444 616 ;
C 42 ; WX 600 ; N asterisk ; B 179 219 598 601 ;
C 43 ; WX 600 ; N plus ; B 114 39 596 478 ;
C 44 ; WX 600 ; N comma ; B 99 -111 430 174 ;
C 45 ; WX 600 ; N hyphen ; B 143 203 567 313 ;
C 46 ; WX 600 ; N period ; B 206 -15 427 171 ;
C 47 ; WX 600 ; N slash ; B 90 -77 626 626 ;
C 48 ; WX 600 ; N zero ; B 135 -15 593 616 ;
C 49 ; WX 600 ; N one ; B 93 0 562 616 ;
C 50 ; WX 600 ; N two ; B 61 0 594 616 ;
C 51 ; WX 600 ; N three ; B 71 -15 571 616 ;
C 52 ; WX 600 ; N four ; B 81 0 559 616 ;
C 53 ; WX 600 ; N five ; B 77 -15 621 601 ;
C 54 ; WX 600 ; N six ; B 135 -15 652 616 ;
C 55 ; WX 600 ; N seven ; B 147 0 622 601 ;
C 56 ; WX 600 ; N eight ; B 115 -15 604 616 ;
C 57 ; WX 600 ; N nine ; B 75 -15 592 616 ;
C 58 ; WX 600 ; N colon ; B 205 -15 480 425 ;
C 59 ; WX 600 ; N semicolon ; B 99 -111 481 425 ;
C 60 ; WX 600 ; N less ; B 120 15 613 501 ;
C 61 ; WX 600 ; N equal ; B 96 118 614 398 ;
C 62 ; WX 600 ; N greater ; B 97 15 589 501 ;
C 63 ; WX 600 ; N question ; B 183 -14 592 580 ;
C 64 ; WX 600 ; N at ; B 65 -15 642 616 ;
C 65 ; WX 600 ; N N ; B -9 0 632 562 ;
C 66 ; WX 600 ; N B ; B 30 0 630 562 ;
C 67 ; WX 600 ; N C ; B 74 -18 675 580 ;
C 68 ; WX 600 ; N D ; B 30 0 664 562 ;
C 69 ; WX 600 ; N E ; B 25 0 670 562 ;
C 70 ; WX 600 ; N F ; B 39 0 684 562 ;
C 71 ; WX 600 ; N G ; B 74 -18 675 580 ;
C 72 ; WX 600 ; N H ; B 20 0 700 562 ;
C 73 ; WX 600 ; N I ; B 77 0 643 562 ;
C 74 ; WX 600 ; N J ; B 58 -18 721 562 ;
C 75 ; WX 600 ; N K ; B 21 0 692 562 ;
C 76 ; WX 600 ; N L ; B 39 0 636 562 ;
C 77 ; WX 600 ; N M ; B -2 0 722 562 ;
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 27060
axes.axisbelow: True
axes.edgecolor: white
axes.facecolor: EAEAF2
axes.grid: True
axes.labelcolor: .15
axes.labelsize: 11
axes.linewidth: 0
axes.prop_cycle: cycler('color', ['4C72B0', '55A868', 'C44E52', '8172B2', 'CCB974', '64B5CD'])
axes.titlesize: 12

figure.facecolor: white
figure.figsize: 8.0, 5.5

font.family: sans-serif
legend.scatterpoints: 1
xtick.direction: out
ytick.direction: out
xtick.color: .15
ytick.color: .15
axes.axisbelow: True
image.cmap: Greys
font.family: sans-serif
font.sans-serif: Arial, Liberation Sans, DejaVu Sans, Bitstream Vera Sans, sans-serif
grid.linestyle: -
lines.solid_capstyle: round

# Seaborn dark parameters
axes.grid: False
axes.facecolor: EAEAF2
axes.edgecolor: white
axes.linewidth: 0
grid.color: white
xtick.major.size: 0
ytick.major.size: 0
xtick.minor.size: 0
ytick.minor.size: 0
StartFontMetrics 2.0
Comment Creation Date: Mon Mar  4 13:46:34 1991
Comment UniqueID 34370
Comment VMusage 24954 31846
FontName AvantGarde-Demi
FullName ITC Avant Garde Gothic Demi
FamilyName ITC Avant Garde Gothic
Weight Demi
ItalicAngle 0
IsFixedPitch false
FontBBox -123 -251 1222 1021
UnderlinePosition -100
UnderlineThickness 50
Version 001.007
EncodingScheme AdobeStandardEncoding
CapHeight 740
XHeight 555
Ascender 740
Descender -185
StartCharMetrics 228
C 32 ; WX 280 ; N space ; B 0 0 0 0 ;
C 33 ; WX 280 ; N exclam ; B 73 0 206 740 ;
C 34 ; WX 360 ; N quotedbl ; B 19 444 341 740 ;
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 27065
KPX A O -50
KPX A G -40
KPX A C -40

KPX B A -10
KPX C A -40

KPX D period -20
KPX D comma -20
KPX D Y -45
KPX D W -25
KPX D V -50
KPX D A -50

KPX F period -129
KPX F e -20
KPX F comma -162
KPX F a -20
KPX F A -75

KPX G period -20
KPX G comma -20
KPX G Y -15

KPX J period -15
KPX J a -20
KPX J A -30

KPX K y -20
KPX K u -15
KPX K o -45
KPX K e -40
KPX K O -30

KPX L y -23
KPX L quoteright -30
KPX L quotedblright -30
KPX L Y -80
KPX L W -55
KPX L V -85
KPX L T -46

KPX O period -30
KPX O comma -30
KPX O Y -30
KPX O X -30
KPX O W -20
KPX O V -45
KPX O T -15
KPX O A -60

KPX P period -200
KPX P o -20
KPX P e -20
KPX P comma -220
KPX P a -20
KPX P A -100

KPX Q comma 20

KPX R W 25
KPX R V -10
KPX R U 25
KPX R T 40
KPX R O 25

KPX S comma 20

KPX T y -10
KPX T w -55
KPX T u -46
KPX T semicolon -29
KPX T r -30
KPX T period -91
KPX T o -49
KPX T hyphen -75
KPX T e -49
KPX T comma -82
KPX T colon -15
KPX T a -70
KPX T O -15
KPX T A -25

KPX U period -20
KPX U comma -20
KPX U A -40

KPX V u -55
KPX V semicolon -33
KPX V period -145
KPX V o -101
KPX V i -15
KPX V hyphen -75
KPX V e -101
KPX V comma -145
KPX e x -20
KPX e w -20
KPX e v -20

KPX f period -40
KPX f o -20
KPX f l -15
KPX f i -15
KPX f f -20
KPX f dotlessi -15
KPX f comma -40
KPX f a -15

KPX g i 25
KPX g a 15

KPX h y -30

KPX k y -5
KPX k o -30
KPX k e -40

KPX m y -20
KPX m u -20

KPX n y -15
KPX n v -30

KPX o y -20
KPX o x -30
KPX o w -20
KPX o v -30

KPX p y -20

KPX period space -50
KPX period quoteright -70
KPX period quotedblright -70

KPX quotedblleft A -50

KPX quotedblright space -50

KPX quoteleft quoteleft -80
KPX quoteleft A -50

KPX quoteright v -10
KPX quoteright t 10
KPX w a -30

KPX x e -20

KPX y period -100
KPX y o -30
KPX y e -20
KPX y comma -100
KPX y c -35
KPX y a -30
EndKernPairs
EndKernData
StartComposites 56
CC Aacute 2 ; PCC A 0 0 ; PCC acute 160 170 ;
CC Acircumflex 2 ; PCC A 0 0 ; PCC circumflex 100 170 ;
CC Adieresis 2 ; PCC A 0 0 ; PCC dieresis 120 170 ;
CC Agrave 2 ; PCC A 0 0 ; PCC grave 160 170 ;
CC Aring 2 ; PCC A 0 0 ; PCC ring 190 135 ;
CC Atilde 2 ; PCC A 0 0 ; PCC tilde 130 170 ;
CC Eacute 2 ; PCC E 0 0 ; PCC acute 50 170 ;
CC Ecircumflex 2 ; PCC E 0 0 ; PCC circumflex -10 170 ;
CC Edieresis 2 ; PCC E 0 0 ; PCC dieresis 10 170 ;
CC Egrave 2 ; PCC E 0 0 ; PCC grave 50 170 ;
CC Iacute 2 ; PCC I 0 0 ; PCC acute -45 170 ;
CC Icircumflex 2 ; PCC I 0 0 ; PCC circumflex -130 170 ;
CC Idieresis 2 ; PCC I 0 0 ; PCC dieresis -110 170 ;
CC Igrave 2 ; PCC I 0 0 ; PCC grave -95 170 ;
CC Ntilde 2 ; PCC N 0 0 ; PCC tilde 130 170 ;
CC Oacute 2 ; PCC O 0 0 ; PCC acute 210 170 ;
CC Ocircumflex 2 ; PCC O 0 0 ; PCC circumflex 150 170 ;
CC Odieresis 2 ; PCC O 0 0 ; PCC dieresis 170 170 ;
CC Ograve 2 ; PCC O 0 0 ; PCC grave 210 170 ;
CC Otilde 2 ; PCC O 0 0 ; PCC tilde 180 170 ;
CC Scaron 2 ; PCC S 0 0 ; PCC caron -10 170 ;
CC Uacute 2 ; PCC U 0 0 ; PCC acute 145 170 ;
CC Ucircumflex 2 ; PCC U 0 0 ; PCC circumflex 50 170 ;
CC Udieresis 2 ; PCC U 0 0 ; PCC dieresis 70 170 ;
CC Ugrave 2 ; PCC U 0 0 ; PCC grave 75 170 ;
CC Yacute 2 ; PCC Y 0 0 ; PCC acute 135 170 ;
CC Ydieresis 2 ; PCC Y 0 0 ; PCC dieresis 60 170 ;
CC Zcaron 2 ; PCC Z 0 0 ; PCC caron 5 170 ;
CC aacute 2 ; PCC a 0 0 ; PCC acute 120 0 ;
CC acircumflex 2 ; PCC a 0 0 ; PCC circumflex 60 0 ;
CC adieresis 2 ; PCC a 0 0 ; PCC dieresis 80 0 ;
CC agrave 2 ; PCC a 0 0 ; PCC grave 120 0 ;
CC aring 2 ; PCC a 0 0 ; PCC ring 150 0 ;
CC atilde 2 ; PCC a 0 0 ; PCC tilde 90 0 ;
CC eacute 2 ; PCC e 0 0 ; PCC acute 110 0 ;
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axes.titlesize: 19.2
xtick.labelsize: 16
ytick.labelsize: 16
legend.fontsize: 16

grid.linewidth: 1.6
lines.linewidth: 2.8
patch.linewidth: 0.48
lines.markersize: 11.2
lines.markeredgewidth: 0

xtick.major.width: 1.6
xtick.minor.width: 0.8

xtick.major.pad: 11.2
ytick.major.pad: 11.2
StartFontMetrics 2.0

Comment Creation Date: Thu Mar 15 11:47:27 1990
Comment UniqueID 28398
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 27078
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 27080
KPX Ke -11
KPX KO -24

KPX Ly -24
KPX L quoteright -114
KPX L quotedblright -114
KPX L Y -97
KPX L W -65
KPX L V -89
KPX L T -73

KPX O period -32
KPX O comma -32
KPX O Y -56
KPX O X -40
KPX O W -40
KPX O V -40
KPX O T -32
KPX O A -40

KPX P period -97
KPX P o -32
KPX P e -24
KPX P comma -97
KPX P a -24
KPX P A -81

KPX Q period 16
KPX Q comma 16
KPX Q U -7

KPX R Y -40
KPX R W -32
KPX R V -40
KPX R U -15
KPX R T -15
KPX R O -15

KPX T y -48
KPX T w -48
KPX T u -73
KPX T semicolon -32
KPX T r -65
KPX T period -65
KPX T o -65
KPX T hyphen -97
KPX T e -48
KPX T comma -65

Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 27083
KPX T colon -32
KPX T a -65
KPX T O -32
KPX T A -73

KPX U period -24
KPX U comma -24
KPX U A -40

KPX V u -48
KPX V semicolon -32
KPX V period -97
KPX V o -73
KPX V hyphen -65
KPX V e -40
KPX V comma -97
KPX V colon -32
KPX V a -48
KPX V O -40
KPX V G -40
KPX V A -65

KPX W y -15
KPX W u -36
KPX W semicolon -7
KPX W period -65
KPX W o -48
KPX W hyphen -32
KPX W e -28
KPX W comma -65
KPX W colon -7
KPX W a -32
KPX W O -15
KPX W A -48

KPX Y u -81
KPX Y semicolon -40
KPX Y period -81
KPX Y o -81
KPX Y e -65
KPX Y comma -81
KPX Y colon -40
KPX Y a -73
KPX Y O -56
KPX Y A -89

KPX a y -15
KPX a w -11
KPX T e -111
KPX T comma -92
KPX T colon -74
KPX T c -129
KPX T a -111
KPX T A -92

KPX V y -90
KPX V u -92
KPX V semicolon -74
KPX V r -111
KPX V period -129
KPX V o -111
KPX V i -55
KPX V hyphen -92
KPX V e -111
KPX V comma -129
KPX V colon -74
KPX V a -111
KPX V A -129

KPX W y -74
KPX W u -74
KPX W semicolon -37
KPX W r -74
KPX W period -37
KPX W o -74
KPX W i -37
KPX W hyphen -37
KPX W e -74
KPX W comma -92
KPX W colon -37
KPX W a -74
KPX W A -90

KPX Y v -74
KPX Y u -74
KPX Y semicolon -55
KPX Y q -92
KPX Y period -74
KPX Y p -74
KPX Y o -74
KPX Y i -55
KPX Y hyphen -74
KPX Y e -74
KPX Y comma -74
KPX Y colon -55
KPX Y a -74
Open Source Used In DNAC Frost PlatformMaglev 1.7.0 1.7.283  27097

#Author: Cameron Davidson-Pilon, replicated styles from FiveThirtyEight.com
# See https://www.dataorigami.net/blogs/fivethirtyeight-mpl

lines.linewidth: 4
lines.solid_capstyle: butt
legend.fancybox: true

axes.prop_cycle: cycler('color', ['008fd5', 'fc4f30', 'e5ae38', '6d904f', '8b8b8b', '810f7c'])
axes.facecolor: f0f0f0
axes.labelsizer: large
axes.axisbelow: true
axes.grid: true
axes.edgecolor: f0f0f0
axes.linewidth: 3.0
axes.titlesizer: x-large

patch.edgecolor: f0f0f0
patch.linewidth: 0.5

svg.fonttype: path

grid.linestyle: -
grid.linewidth: 1.0
grid.color: cbcbcb

xtick.major.size: 0
xtick.minor.size: 0
ytick.major.size: 0
ytick.minor.size: 0

font.size: 14.0

savefig.edgecolor: f0f0f0
savefig.facecolor: f0f0f0

figure.subplot.left: 0.08
figure.subplot.right: 0.95
figure.subplot.bottom: 0.07
figure.facecolor: f0f0f0

BaKoMa Fonts Licence
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This licence covers two font packs (known as BaKoMa Fonts Colelction, which is available at `CTAN:fonts/cm/ps-type1/bakoma/`):

1) BaKoMa-CM (1.1/12-Nov-94)
   Computer Modern Fonts in PostScript Type 1 and TrueType font formats.

2) BaKoMa-AMS (1.2/19-Jan-95)
   AMS TeX fonts in PostScript Type 1 and TrueType font formats.

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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 27103
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 27107
Open Source Used in DNAC Frost Platform Maglev 1.7.0 1.7.283 27108
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?d
#"(.352.24.!,Z`)rt]
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 27139

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Open Source Used in DNAC Frost Platform Maglev 1.7.0 1.7.283 27159

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C -1 ; WX 800 ; N Ograve ; B 35 -17 769 909 ;
C -1 ; WX 580 ; N agrave ; B 28 -8 588 730 ;
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C -1 ; WX 990 ; N onequarter ; B 65 0 967 681 ;
C -1 ; WX 740 ; N Ucircumflex ; B 15 -17 724 910 ;
C -1 ; WX 660 ; N Scaron ; B 21 -17 639 896 ;
C -1 ; WX 400 ; N Idieresis ; B 18 0 391 877 ;
C -1 ; WX 360 ; N idieresis ; B -2 0 371 698 ;
C -1 ; WX 720 ; N Egrave ; B 20 0 724 909 ;
C -1 ; WX 800 ; N Oacute ; B 35 -17 769 910 ;
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C -1 ; WX 720 ; N Atilde ; B -34 0 763 870 ;
C -1 ; WX 720 ; N Aring ; B -34 0 763 934 ;
C -1 ; WX 800 ; N Omacron ; B 35 -17 769 877 ;
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C -1 ; WX 740 ; N Ntilde ; B 20 0 724 870 ;
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 27168
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KPX F comma -98
KPX F A 35

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KPX L Y 5
KPX L W -15
KPX L V -19
KPX L T -26

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KPX P comma -98
KPX P A -31

KPX R y 27
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KPX R W -4
KPX R V -8
KPX R T -3

KPX T y 56
KPX T w 69
KPX T u 42
KPX T semicolon 31
KPX T s 1
KPX T r 41
KPX T period -107
KPX T o 5
KPX T i 42
KPX T hyphen -20
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KPX T comma -100
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KPX T a 8
KPX T A 42

KPX V y 17
KPX V u 1
KPX V semicolon 22
KPX V r 2
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KPX V o 50
KPX V i 32
KPX V hyphen -20
KPX V e 50
KPX V comma -137

Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 27169
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 27176
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KPX k o -10
KPX k e -20

KPX m y 10
KPX m u 10

KPX n y 20

KPX o period -30
KPX o comma -20

KPX p period -30
KPX p p -10
KPX p comma -20

KPX period quotedright -80
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KPX quotedblleft quoteleft 20
KPX quotedblleft A 10

KPX quoteleft quoteleft -115
KPX quoteleft A 10

KPX quoteright v 30
KPX quoteright t 20
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KPX quoteright r 30
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KPX quoteright l 20

KPX r period -50
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KPX r comma -40

KPX s period -20
KPX s comma -10

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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 27185
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FamilyName ITC Avant Garde Gothic
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UnderlineThickness 50
Version 001.006
EncodingScheme AdobeStandardEncoding
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XHeight 547
Ascender 740
Descender -192
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C 45 ; WX 332 ; N hyphen ; B 76 248 360 315 ;
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 27197
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KPX O Y -30
KPX O X -30
KPX O W -20
KPX O V -60
KPX O T -30
KPX O A -60

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KPX Q comma 20

KPX R Y -10
KPX R W 10
KPX R V -10
KPX R T 6

KPX S comma 20

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KPX T w -55
KPX T u -46
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KPX T o -70
KPX T i 10
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KPX U comma -20
KPX U A -40

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KPX e y -20
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KPX f a -40

KPX g a -15

KPX h y -30

KPX k y -5
KPX k e -15

KPX m y -20
KPX m u -20
KPX m a -20

KPX n y -15
KPX n v -20

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KPX o x -15
KPX o w -20
KPX o v -30

KPX p y -20

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3 9 27
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7 49 343
8 64 512
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10 100 1000
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#.8 = light_gray
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FamilyName ITC Avant Garde Gothic
Weight Book
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IsFixedPitch false
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UnderlinePosition -100
UnderlineThickness 50
Version 001.006
ITC Avant Garde Gothic is a registered trademark of International Typeface Corporation.
EncodingScheme AdobeStandardEncoding
CapHeight 740
XHeight 547
Ascender 740
Descender -192
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C 33 ; WX 295 ; N exclaim ; B 111 0 185 740 ;
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C 38 ; WX 757 ; N ampersand ; B 56 -12 736 753 ;
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 27211
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 27212
KPX P o -60
KPX P e -20
KPX P comma -280
KPX P a -20
KPX P A -114

KPX Q comma 20

KPX R Y -10
KPX R W 10
KPX R V -10
KPX R T 6

KPX S comma 20

KPX T y -50
KPX T w -55
KPX T u -46
KPX T semicolon -29
KPX T r -30
KPX T period -91
KPX T o -70
KPX T i 10
KPX T hyphen -75
KPX T e -49
KPX T comma -82
KPX T colon -15
KPX T a -90
KPX T O -30
KPX T A -45

KPX U period -20
KPX U comma -20
KPX U A -40

KPX V u -40
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KPX V e -101
KPX V comma -145
KPX V colon -18
KPX V a -104
KPX V O -60
KPX V G -20
KPX V A -102
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 27215
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KPX f e -20
KPX f dotlessi -34
KPX f comma -50
KPX f a -40

KPX g a -15

KPX h y -30

KPX k y -5
KPX k e -15

KPX m y -20
KPX m u -20
KPX m a -20

KPX n y -15
KPX n v -20

KPX o y -20
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KPX o w -20
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KPX p y -20

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KPX period quoteright -120
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The STIX fonts distributed with matplotlib have been modified from their canonical form. They have been converted from OTF to TTF format using Fontforge and this script:

```
#!/usr/bin/env fontforge
i=1
while ( i<$argc )
    Open($argv[i])
    Generate($argv[i]:r + ".ttf")
    i = i+1
endloop
```

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24 May 2010

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StartFontMetrics 2.0
Comment Creation Date: Thu Jun 21 22:23:28 1990
Comment UniqueID 5000793
FontName CMR10
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 27230
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 27240
1.2544 celery 4.4.0

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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
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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
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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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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.

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TERMS AND CONDITIONS

0. Definitions.

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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.


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.

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b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a
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d) 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.

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

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The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

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1.2549 debug 3.2.6

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* /opt/cola/permits/1150996738_1617746800.79/0/javassist-3-18-2-ga-sources-9-jar/javassist/compiler/CtMember.java
* /opt/cola/permits/1150996738_1617746800.79/0/javassist-3-18-2-ga-sources-9-jar/javassist/compiler/ast/Expr.java
* /opt/cola/permits/1150996738_1617746800.79/0/javassist-3-18-2-ga-sources-9-jar/javassist/bytecode/DuplicateMemberException.java
* /opt/cola/permits/1150996738_1617746800.79/0/javassist-3-18-2-ga-sources-9-jar/javassist/bytecode/Util.java
* /opt/cola/permits/1150996738_1617746800.79/0/javassist-3-18-2-ga-sources-9-jar/javassist/compiler/ast/MethodDecl.java
* /opt/cola/permits/1150996738_1617746800.79/0/javassist-3-18-2-ga-sources-9-jar/javassist/Loader.java
* /opt/cola/permits/1150996738_1617746800.79/0/javassist-3-18-2-ga-sources-9-jar/javassist/ClassPoolTail.java
* /opt/cola/permits/1150996738_1617746800.79/0/javassist-3-18-2-ga-sources-9-jar/javassist/bytecode/analysis/Subroutine.java
* /opt/cola/permits/1150996738_1617746800.79/0/javassist-3-18-2-ga-sources-9-jar/javassist/compiler/ast/FieldDecl.java
* /opt/cola/permits/1150996738_1617746800.79/0/javassist-3-18-2-ga-sources-9-jar/javassist/bytecode/ByteStream.java
* /opt/cola/permits/1150996738_1617746800.79/0/javassist-3-18-2-ga-sources-9-jar/javassist/bytecode/LongVector.java
* /opt/cola/permits/1150996738_1617746800.79/0/javassist-3-18-2-ga-sources-9-jar/javassist/tools/reflect/CannotReflectException.java
* /opt/cola/permits/1150996738_1617746800.79/0/javassist-3-18-2-ga-sources-9-jar/javassist/bytecode/analysis/MultiArrayType.java
* /opt/cola/permits/1150996738_1617746800.79/0/javassist-3-18-2-ga-sources-9-jar/javassist/bytecode/ExceptionsAttribute.java
* /opt/cola/permits/1150996738_1617746800.79/0/javassist-3-18-2-ga-sources-9-jar/javassist/tools/reflect/CannotCreateException.java
* /opt/cola/permits/1150996738_1617746800.79/0/javassist-3-18-2-ga-sources-9-jar/javassist/compiler/ast/CondExpr.java
* /opt/cola/permits/1150996738_1617746800.79/0/javassist-3-18-2-ga-sources-9-jar/javassist/tools/reflect/Loader.java
* /opt/cola/permits/1150996738_1617746800.79/0/javassist-3-18-2-ga-sources-9-jar/javassist/compiler/ast/Member.java
* /opt/cola/permits/1150996738_1617746800.79/0/javassist-3-18-2-ga-sources-9-jar/javassist/bytecode/ConstPool.java
* /opt/cola/permits/1150996738_1617746800.79/0/javassist-3-18-2-ga-sources-9-jar/javassist/compiler/Parser.java
* /opt/cola/permits/1150996738_1617746800.79/0/javassist-3-18-2-ga-sources-9-jar/javassist/compiler/CtMember.java
* /opt/cola/permits/1150996738_1617746800.79/0/javassist-3-18-2-ga-sources-9-jar/javassist/compiler/ast/Expr.java
* /opt/cola/permits/1150996738_1617746800.79/0/javassist-3-18-2-ga-sources-9-jar/javassist/bytecode/DuplicateMemberException.java
* /opt/cola/permits/1150996738_1617746800.79/0/javassist-3-18-2-ga-sources-9-jar/javassist/bytecode/Util.java
* /opt/cola/permits/1150996738_1617746800.79/0/javassist-3-18-2-ga-sources-9-jar/javassist/compiler/ast/MethodDecl.java
* /opt/cola/permits/1150996738_1617746800.79/0/javassist-3-18-2-ga-sources-9-jar/javassist/Loader.java
* /opt/cola/permits/1150996738_1617746800.79/0/javassist-3-18-2-ga-sources-9-jar/javassist/ClassPoolTail.java
* /opt/cola/permits/1150996738_1617746800.79/0/javassist-3-18-2-ga-sources-9-jar/javassist/bytecode/analysis/Subroutine.java
* /opt/cola/permits/1150996738_1617746800.79/0/javassist-3-18-2-ga-sources-9-jar/javassist/compiler/ast/NewExpr.java
1.2563 multiarch-support 2.23 0ubuntu10
1.2563.1 Available under license:

Description: Don't warn for _BSD_SOURCE || _SVID_SOURCE, drop post-vivid
Author: Adam Conrad <adconrad@ubuntu.com>

--- glibc-2.21.orig/include/features.h
+++ glibc-2.21/include/features.h
@@ -145,7 +145,10 @@
     transitioned to use the new macro. */
 #if (defined _BSD_SOURCE || defined _SVID_SOURCE)\
     & & !defined _DEFAULT_SOURCE
+/* Don't #warn about _BSD_SOURCE || _SVID_SOURCE, as it breaks -Werror
+   and we don't have time to check/fix everything before vivid release
+ # warning " _BSD_SOURCE and _SVID_SOURCE are deprecated, use _DEFAULT_SOURCE"
+*/
 # undef _DEFAULT_SOURCE
 # define _DEFAULT_SOURCE1
 #endif

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## xwd v1.0.7

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include/GL/g1.h:

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include/GL/wglxext.h :

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

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DRuntime: Runtime Library for the D Programming Language

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Version 3.1, 31 March 2009

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1.2578 maglev-appctl 1.0.4.3410

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Metadata-Version: 2.0
Name: maglev-appctl
Version: 1.0.4.3410
Summary: Maglev Python Application Controller (1.0.4.3410)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: click (==6.6)
Requires-Dist: click-completion (==0.2.1)
Requires-Dist: hprof2flamegraph (==0.0.6)
Requires-Dist: psutil (==4.3.0)
Requires-Dist: pyJwt (==1.4.0)
Requires-Dist: requests (==2.13.0)
Requires-Dist: toml (==0.9.2)

# Installation
+ Requires : Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

# How to test and develop in local mac
- Use pyvenv to create a virtual env in /opt/maglev
- u can either call the activate script to activate the virtualenv

Found in path(s):
* /opt/cola/permits/1124980570_1612054832.34/0/maglev-appctl-1.0.4.3410-dist-info-
  zip/inputdir/packages_extracted/tar/1/packages_extracted/3/packages_extracted/usr/local/lib/python3.5/dist-
  packages/maglev_appctl-1.0.4.3410.dist-info/METADATA

1.2579 prop-types 15.6.2

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1.2580 libaudit 1:2.8.2 1ubuntu1.1

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1.2581 python3-5-venv 3.5.2-2ubuntu0~16.04.8

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This package was put together by Klee Dienes <klee@debian.org> from sources from ftp.python.org:/pub/python, based on the Debianization by the previous maintainers Bernd S. Brentrup <bsb@uni-muenster.de> and Bruce Perens. Current maintainer is Matthias Klose <doko@debian.org>.

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Python 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 (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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Mersenne Twister
--------------

The `_random` module includes code based on a download from
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following are the verbatim comments from the original code:

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

Before using, initialize the state by using init_genrand(seed)
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Any feedback is very welcome.
http://www.math.keio.ac.jp/matumoto/emt.html
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Sockets
-------

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

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UUencode and UUdecode functions
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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with python standard

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

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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

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

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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org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.2587 glib 2.64.6-r0

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 * /opt/cola/permits/1000716562_1611186026.29/0/okhttp-3-5-0-sources-2-jar/okhttp3/ConnectionSpec.java
 * /opt/cola/permits/1000716562_1611186026.29/0/okhttp-3-5-0-sources-2-jar/okhttp3/Callback.java
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* /opt/cola/permits/1000716562_1611186026.29/0-okhttp-3-5-0-sources-2-jar/okhttp3/internal/platform/AndroidPlatform.java
* /opt/cola/permits/1000716562_1611186026.29/0-okhttp-3-5-0-sources-2-jar/okhttp3/internal/platform/JsoupParser.java
* /opt/cola/permits/1000716562_1611186026.29/0-okhttp-3-5-0-sources-2-jar/okhttp3/internal/platform/JsoupToElementConverter.java
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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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* 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.
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org.eclipse.jetty.toolchain:jetty-schemas

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1.2602 libpcre 2:8.38 3.1
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This is Debian GNU/Linux's prepackaged version of the PCRE regular expression library and associated pgrep utility.

This package was put together by me, Mark Baker <mbaker@iee.org> from the original sources obtained from ftp.csx.cam.ac.uk:/pub/software/programming/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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THE BASIC LIBRARY FUNCTIONS

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Written by: Philip Hazel
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1.2609 libasnheimdal 1.7~git20150920+dfsg-4ubuntu1

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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

AES in libhcrypto

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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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DES core in libhcrypto

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Thanks to: Dan Hoey for his excellent Initial and Inverse permutation
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1.2620 object-keys 0.4.0

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1.2621 e2fslibs 1.42.12-2+b1

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1.2622 pyzmq 19.0.2
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```python
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',
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        'License :: OSI Approved :: BSD License',
        'Operating System :: OS Independent',
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        'Programming Language :: Python :: 3.4',
        'Programming Language :: Python :: 3.5',
        'Programming Language :: Python :: 3.6',
        'Topic :: Internet :: Name Service (DNS)',
        'Topic :: Software Development :: Libraries :: Python Modules',
        'Topic :: Utilities',
    ],
    '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/cola/permits/1110810307_1606855956.29/0/kjd-idna-v2-8-0-g1cdf175-1-tar-gz/kjd-idna-375dc46/setup.py

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1.2627 requires-port 1.0.0

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# Constant-time SSSE3 AES core implementation.
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1.2634 sysvinit-utils 2.88dsf 59.3ubuntu2

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This package was first put together by Bruce Perens <Bruce@Pixar.com> from pre-distribution sources. Ian Murdock <imurdock@debian.org> integrated it into the base system maintained it until the end of 1995. Miquel van Smoorenburg <miquels@cistron.nl> implemented Debian support. In version 2.85 the package was split into three (sysvinit, sysv-rc, and initscripts) in order to make room for alternative rc mechanisms.

The upstream source is available at:

Primary-Site:   ftp.cistron.nl /pub/people/miquels/software
92K sysvinit-2.86.tar.gz
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Send patches to sysvinit-devel@nongnu.org.

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* 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.
This package contains the scripts that are executed at start and shutdown of Debian systems.

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* 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>,
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This package contains the mechanism for executing the right scripts
in the right order at bootup/shutdown time, and when changing runlevels.
It works through managing symlinks in /etc/rc?.d

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* /opt/cola/permits/1110676728_1606843273.36/0/netty-codec-http2-4-1-32-final-sources-1-
* /opt/cola/permits/1110676728_1606843273.36/0/netty-codec-http2-4-1-32-final-sources-1-
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* /opt/cola/permits/1110676728_1606843273.36/0/netty-codec-http2-4-1-32-final-sources-1-
jar/io/netty/handler/codec/http2/Http2ToHttpAdapter.java
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* /opt/cola/permits/1110676728_1606843273.36/0/netty-codec-http2-4-1-32-final-sources-1-
jar/io/netty/handler/codec/http2/Http2ConnectionHandler.java
* /opt/cola/permits/1110676728_1606843273.36/0/netty-codec-http2-4-1-32-final-sources-1-
jar/io/netty/handler/codec/http2/DefaultHttp2FrameReader.java
* /opt/cola/permits/1110676728_1606843273.36/0/netty-codec-http2-4-1-32-final-sources-1-
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* /opt/cola/permits/1110676728_1606843273.36/0/netty-codec-http2-4-1-32-final-sources-1-
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jar/io/netty/handler/codec/http2/Http2FrameSizePolicy.java
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jar/io/netty/handler/codec/http2/Http2FrameListener.java
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* /opt/cola/permits/1110676728_1606843273.36/0/netty-codec-http2-4-1-32-final-sources-1-
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  jar/io/netty/handler/codec/http2/Http2FrameLogger.java
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src/libimcv/pts/pts_file_type.h
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DRuntime: Runtime Library for the D Programming Language
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Version 3.1, 31 March 2009

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1.2650 golang-1.10-go 1.10.4-2ubuntu1~16.04.2

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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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The following was recevied Fenbruary 23,2000 From: "Linn, John" February 19, 2000

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nickc@redhat.com and I'll correct the situation.

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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-compile 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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and:

cvs://:pserver:anoncvs@sources.redhat.com:/cvs/src

It was previously maintained by Christopher C. Chimelis <chris@debian.org>

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* /opt/cola/permits/1110633366_1607050369.01/0/estools-esrecurse-v4-2-1-0-gc6e650d1-tar-gz/estools-esrecurse-a130ad0/README.md
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* /opt/cola/permits/1110633366_1607050369.01/0/estools-esrecurse-v4-2-1-0-gc6e650d1-tar-gz/estools-esrecurse-a130ad0/test/traverse.js
* /opt/cola/permits/1110633366_1607050369.01/0/estools-esrecurse-v4-2-1-0-gc6e650d1-tar-gz/estools-esrecurse-a130ad0/gulpfile.babel.js
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/*

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* /opt/cola/permits/1110633366_1607050369.01/0/estools-esrecurse-v4-2-1-0-gc6e650d-1-tar-gz/estools-esrecurse-a130ad0/esrecurse.js

1.2656 libgcrypt 1.8.1 4ubuntu1.2

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

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DRuntime: Runtime Library for the D Programming Language

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========

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* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2.jar/io/netty/buffer/ByteBufAllocator.java
* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2.jar/io/netty/buffer/ByteBufOutputStream.java
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* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2.jar/io/netty/buffer/PooledDirectByteBuf.java
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* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2.jar/io/netty/buffer/AbstractByteBufAllocator.java
* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2.jar/io/netty/buffer/CompositeByteBuf.java

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* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2-
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* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2-
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* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2-
jar/io/netty/buffer/ByteBufProcessor.java
* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2-
jar/io/netty/buffer/SimpleLeakAwareByteBuf.java
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jar/io/netty/buffer/AbstractDerivedByteBuf.java
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* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2-jar/io/netty/buffer/ByteBufAllocatorMetricProvider.java
* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2-
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* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2-
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Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2df055067c18f2cf9 bsd.img

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

Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

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

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

-------------------
Create 2st primary partition
1bebf87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8def51a88a045db233418dd73fbd bsd.img

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

Device Boot Start End Sectors Size Id Type
Create default BSD
2e1cee529cb59c9341afe0443f196a1 bsd.img

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

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

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

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

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

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

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

b5c121c2091b2ff26b880551feac7112 bsd.img

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

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

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

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

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

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):

-------------------
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

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

Command (m for help):

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

Command (m for help):
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1.2669 file-libs 5.33-16.el8

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1.2676 config-chain 1.1.11

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1.2677 pyjwt 1.4.0

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1.2680 linux-libc-dev 4.15.0-142.146

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iconv (Charset Conversion Library) v2.0

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Julian Seward, jseward@bzip.org
bzip2/libbz2 version 1.0.6 of 6 September 2010

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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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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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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.

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@heading TERMS AND CONDITIONS

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@item Convey the object code by offering access from a designated place
@end enumerate

@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
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@item
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@end enumerate

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

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

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

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* 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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1.2690 adduser 3.115

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Murdock, Ted Hajek <tedhajek@boombox.micro.umn.edu>, and Sven Rudolph
<sr1@inf.tu-dresden.de>.

Since Nov 27 1996, it was maintained by Guy Maor <maor@debian.org>. He
rewrote most of it.

Since May 20 2000, it is maintained by Roland Bauerschmidt
<rb@debian.org>.

Since March 24 2004, it is maintained by Roland Bauerschmidt
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Local-Date: Fri, 06 Jun 2003 13:18:52 -0400
Date: Fri, 6 Jun 2003 10:18:52 -0700
From: Juan Gomez <juang@us.ibm.com>
To: Stephen Frost <sfrost@debian.org>
X-Mailer: Lotus Notes Release 5.0.2a (Intl) 23 November 1999
Subject: Re: Juan C. Gomez license in OpenLDAP Source

Stephen,

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

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

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---
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---

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

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Regards, Kurt
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1.2692 vim-runtime 2:7.4.488-7+deb8u4

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

HISTORY -

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

The garbage collector originated as part of the run-time system for
the Russell programming language implementation. The first version of the
garbage collector was written primarily by Al Demers. It was then refined
and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U.,
the University of Washington, Rice University (where it was first used for
C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant
ccontributions 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 (dossier@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@mitiame.mitia.oz.au), Michel Schinz, and
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.
Thomas Funke (thf@zelator.in-berlin.de(?)) and
Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (jansen@parc.xerox.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and
Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks(ace@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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David Megginson, sax@megginson.com
1998-05-11
SAX 2.0

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David Megginson, david@megginson.com
2000-05-05

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1.2703 elasticsearch-sidecar 1.7.25
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Metadata-Version: 2.0
Name: elasticsearch-sidecar
Version: 1.7.25
Summary: ElasticSearch Sidecar Service (1.7.25)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: maglev-sidecar (=1.7.0)
Requires-Dist: setuptools (==41.2.0)
Requires-Dist: setuptools-scm (==3.4.3)
Requires-Dist: toml (==0.10.0)
Requires-Dist: zipp (==1.0.0)

# Sidecar for managed service
+ Requires : Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

Found in path(s):
* /opt/cola/permits/1175846186_1624514012.88/0/elasticsearch-sidecar-1.7.25-dist-info-
zip/inputdir/packages_extracted/targz/1/packages_extracted/1/packages_extracted/1/packages_extracted/44/elasticse
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   b) If you have received a modified Vim that was distributed as mentioned under a) you are allowed to further distribute it unmodified, as mentioned at I). If you make additional changes the text under a) applies to those changes.
c) Provide all the changes, including source code, with every copy of 
the modified Vim you distribute. This may be done in the form of a 
context diff. You can choose what license to use for new code you 
add. The changes and their license must not restrict others from 
making their own changes to the official version of Vim.

d) When you have a modified Vim which includes changes as mentioned 
under c), you can distribute it without the source code for the 
changes if the following three conditions are met:
- The license that applies to the changes permits you to distribute 
the changes to the Vim maintainer without fee or restriction, and 
permits the Vim maintainer to include the changes in the official 
version of Vim without fee or restriction.
- You keep the changes for at least three years after last 

distributing the corresponding modified Vim. When the maintainer 
or someone who you distributed the modified Vim to asks you (in 
any way) for the changes within this period, you must make them 
available to him.
- You clearly describe in the distribution how to contact you. This 
contact information must remain valid for at least three years 
after last distributing the corresponding modified Vim, or as long 
as possible.

e) When the GNU General Public License (GPL) applies to the changes, 
you can distribute the modified Vim under the GNU GPL version 2 or 
any later version.

3) A message must be added, at least in the output of the ":version" 
command and in the intro screen, such that the user of the modified Vim 
is able to see that it was modified. When distributing as mentioned 
under 2)e) adding the message is only required for as far as this does 
not conflict with the license used for the changes.

4) The contact information as required under 2)a) and 2)d) must not be 
removed or changed, except that the person himself can make 
corrections.

III) If you distribute a modified version of Vim, you are encouraged to use 
the Vim license for your changes and make them available to the 
maintainer, including the source code. The preferred way to do this is 
by e-mail or by uploading the files to a server and e-mailing the URL. 
If the number of changes is small (e.g., a modified Makefile) e-mailing a 
context diff will do. The e-mail address to be used is 
<maintainer@vim.org>

IV) It is not allowed to remove this license from the distribution of the Vim 
sources, parts of it or from a modified version. You may use this 
license for previous Vim releases instead of the license that they came 
with, at your option.

=== end of license ===
Note:

- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.

- If you want to support further Vim development consider becoming a [sponsor]. The money goes to Uganda anyway.

- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.

- If you link Vim with a library that goes under the GNU GPL, this limits further distribution to the GNU GPL. Also when you didn't actually change anything in Vim.

- Once a change is included that goes under the GNU GPL, this forces all further changes to also be made under the GNU GPL or a compatible license.

- If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED_BY define.

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

Kibaale Children's Centre*kcc* *Kibaale* *charity*

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

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

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.
Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

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

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

*donate*

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

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

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

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

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

Sending money:*iccf-donations*

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

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

Canada: Contact Kibaale Children’s Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly.
Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.
Kibaale Children's Fund c/o Pacific Academy
10238-168 Street
Surrey, B.C. V4N 1Z4
Canada
Phone: 604-581-5353

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

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse. This will allow for tax deduction if you live in Holland.
Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

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

World: Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is in my passport): "Abraham Moolenaar". Use Euro for the currency if possible.
Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number.
Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:
The e-mail address for sending the money to is:
Bram@iccf-holland.org
For amounts above 400 Euro ($500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:

  - Postbank, account 4548774
  - Swift code: INGB NL 2A
  - IBAN: NL95 INGB 0004 5487 74
  - under the name "stichting ICCF Holland", Lisse
  - If that doesn't work:
    - Rabobank Lisse, account 3765.05.117
    - Swift code: RABO NL 2U
    - under the name "Bram Moolenaar", Lisse

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

Address to send checks to:
Bram Moolenaar
Finsterruetihof 1
8134 Adliswil
Switzerland

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

vim:tw=78:ts=8:ft=help:norl:
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1.2710 gzip 1.6 4ubuntu1

1.2710.1 Available under license:

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Version 3, 29 June 2007

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      src/udev/udevadm-hwdb.c
      src/udev/udev-builtin.c
      src/udev/udev-builtin-net_id.c
      src/udev/udev-builtin-net_setup_link.c
      src/udev/udev-builtin-hwdb.c
      src/udev/udev-builtin-btrfs.c
      src/udev/udev-builtin-keyboard.c
      src/udev/net/link-config.h
      src/udev/net/link-config.c
      src/udev/net/ethtool-util.c
      src/udev/net/ethtool-util.h

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1.2714 loader-runner 2.3.0

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Author Tobias Koppers @sokra
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1.2717 maglev-appserver 1.7.17

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Metadata-Version: 2.0
Name: maglev-appserver
Version: 1.7.17
Summary: Maglev Python AppServer(1.7.17)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: MarkupSafe (==1.0)
Requires-Dist: aiohttp (==2.2.5)
Requires-Dist: aiohttp-swagger (==1.0.4)
Requires-Dist: async-timeout (==1.4.0)
Requires-Dist: charget (==3.0.4)
Requires-Dist: importlib-metadata (==2.0.0)
Requires-Dist: influxdb (==3.0.0)
Requires-Dist: jaeger-client (==3.8.0)
Requires-Dist: jsonschema (==2.5.1)
Requires-Dist: maglev-appctl (~=1.6.0)
Requires-Dist: motor (==1.1)
Requires-Dist: multidict (==4.7.6)
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Requires-Dist: tomrl (==0.10.0)
Requires-Dist: tornado (==4.5.3)
Requires-Dist: urllib3 (==1.24.3)
Requires-Dist: uvloop (==0.7.0)
# Installation

+ Requires : Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

# How to test and develop in local mac

- Use pyvenv to create a virtual env in /opt/maglev
- u can either call the activate script to activate the virtualenv

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zip/licenseservice_extracted/maglev_appserver-1.7.17-py3-none-any.whl_extracted/maglev_appserver-1.7.17.dist-
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## 1.2718 timers 4.3.3

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# Timers

Collections of one-shot and periodic timers, intended for use with event loops such as
[async](https://github.com/socketry/async).

[![Development

## Installation

Add this line to your application's Gemfile:

```
  gem 'timers'
```

And then execute:
$ bundle

Or install it yourself as:

$ gem install timers

## Usage

Create a new timer group with `Timers::Group.new`:

```ruby
require 'timers'

 timers = Timers::Group.new
```

Schedule a proc to run after 5 seconds with `Timers::Group#after`:

```ruby
 five_second_timer = timers.after(5) { puts "Take five" }
```

The `five_second_timer` variable is now bound to a Timers::Timer object. To cancel a timer, use `Timers::Timer#cancel`

Once you've scheduled a timer, you can wait until the next timer fires with `Timers::Group#wait`:

```ruby
 # Waits 5 seconds
 timers.wait

 # The script will now print "Take five"
```

You can schedule a block to run periodically with `Timers::Group#every`:

```ruby
 every_five_seconds = timers.every(5) { puts "Another 5 seconds" }

 loop { timers.wait }
```

You can also schedule a block to run immediately and periodically with `Timers::Group#now_and_every`:

```ruby
 now_and_every_five_seconds = timers.now_and_every(5) { puts "Now and in another 5 seconds" }

 loop { timers.wait }
```
If you'd like another method to do the waiting for you, e.g. `Kernel.select`, you can use `Timers::Group#wait_interval` to obtain the amount of time to wait. When a timeout is encountered, you can fire all pending timers with `Timers::Group#fire`:

```ruby
loop do
  interval = timers.wait_interval
  ready_readers, ready_writers = select readers, writers, nil, interval
  if ready_readers || ready_writers
    # Handle IO
    ...
  else
    # Timeout!
    timers.fire
  end
end
```

You can also pause and continue individual timers, or all timers:

```ruby
paused_timer = timers.every(5) { puts "I was paused" }

paused_timer.pause
10.times { timers.wait } # will not fire paused timer

paused_timer.resume
10.times { timers.wait } # will fire timer

timers.pause
10.times { timers.wait } # will not fire any timers

timers.resume
10.times { timers.wait } # will fire all timers
```

```ruby
```  

## Contributing

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Last updated: 2009-02-28

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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 3a0982da308228d796df35f98d787c5cff2bb5b6.

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

Author: Julio Merino <jmmv84@gmail.com>

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

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<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="1.0">

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

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

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* /opt/cola/permits/1176281908_1624666776.9/0/swift-service-0-23-1-sources-
jar/com/facebook/swift/service/ThriftClientConfig.java
* /opt/cola/permits/1176281908_1624666776.9/0/swift-service-0-23-1-sources-
jar/com/facebook/swift/service/ThriftMethodHandler.java
* /opt/cola/permits/1176281908_1624666776.9/0/swift-service-0-23-1-sources-
jar/com/facebook/swift/service/metadata/ThriftServiceMetadata.java
* /opt/cola/permits/1176281908_1624666776.9/0/swift-service-0-23-1-sources-
jar/com/facebook/swift/service/guice/ThriftServiceExporter.java
* /opt/cola/permits/1176281908_1624666776.9/0/swift-service-0-23-1-sources-
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* /opt/cola/permits/1176281908_1624666776.9/0/swift-service-0-23-1-sources-
jar/com/facebook/swift/service/RuntimeTException.java
* /opt/cola/permits/1176281908_1624666776.9/0/swift-service-0-23-1-sources-
jar/com/facebook/swift/service/guice/ThriftClientBinder.java

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*/

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jar/com/facebook/swift/service/guice/ThriftClientStatsModule.java
* /opt/cola/permits/1176281908_1624666776.9/0/swift-service-0-23-1-sources-
jar/com/facebook/swift/service/ContextChain.java
* /opt/cola/permits/1176281908_1624666776.9/0/swift-service-0-23-1-sources-
jar/com/facebook/swift/service/ThriftEventHandler.java
* /opt/cola/permits/1176281908_1624666776.9/0/swift-service-0-23-1-sources-
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* /opt/cola/permits/1176281908_1624666776.9/0/swift-service-0-23-1-sources-
jar/com/facebook/swift/service/guice/ThriftServerStatsModule.java
* /opt/cola/permits/1176281908_1624666776.9/0/swift-service-0-23-1-sources-
jar/com/facebook/swift/service/ThriftClientEventHanlder.java
* /opt/cola/permits/1176281908_1624666776.9/0/swift-service-0-23-1-sources-
jar/com/facebook/swift/service/ThriftServerStatsHandler.java
* /opt/cola/permits/1176281908_1624666776.9/0/swift-service-0-23-1-sources-
jar/com/facebook/swift/service/guice/ClientEventHandlersBinder.java

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1.2734 jersey-guava 2.22.2

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* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-jar/jersey/repackaged/com/google/common/collect/ContiguousSet.java
* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-jar/jersey/repackaged/com/google/common/collect/SortedLists.java

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jar/jersey/repackaged/com/google/common/io/AppendableWriter.java
* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-
jar/jersey/repackaged/com/google/common/util/concurrent/TimeLimiter.java
* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-
jar/jersey/repackaged/com/google/common/util/concurrent/FakeTimeLimiter.java
* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-
jar/jersey/repackaged/com/google/common/escape/CharEscaperBuilder.java
* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-
jar/jersey/repackaged/com/google/common/util/concurrent/UncheckedTimeoutException.java
* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-
jar/jersey/repackaged/com/google/common/escape/CharEscaper.java
* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-
jar/jersey/repackaged/com/google/common/io/PatternFilenameFilter.java
* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-
jar/jersey/repackaged/com/google/common/reflect/TypeToken.java
* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-
jar/jersey/repackaged/com/google/common/util/concurrent/Futures.java
* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-
jar/jersey/repackaged/com/google/common/base/CaseFormat.java
* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-
jar/jersey/repackaged/com/google/common/annotations/VisibleForTesting.java
* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-
jar/jersey/repackaged/com/google/common/util/concurrent/SimpleTimeLimiter.java

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  jar/jersey/repackaged/com/google/common/collect/DenseImmutableTable.java
* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-
  jar/jersey/repackaged/com/google/common/collect/MapMakerInternalMap.java
* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-
  jar/jersey/repackaged/com/google/common/collect/SparseImmutableTable.java
* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-
  jar/jersey/repackaged/com/google/common/collect/RegularImmutableTable.java
* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-
  jar/jersey/repackaged/com/google/common/collect/Cut.java
* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-
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* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-jar/jersey/repackaged/com/google/common/cache/Weigher.java

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*
* As of 2010/06/11, this method is identical to the (package private) hash
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*/

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* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-jar/jersey/repackaged/com/google/common/collection/RowSortedTable.java
* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-jar/jersey/repackaged/com/google/common/util/concurrent/ForwardingBlockingQueue.java
* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-jar/jersey/repackaged/com/google/common/net/package-info.java
* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-jar/jersey/repackaged/com/google/common/collection/ForwardingImmutableCollection.java
* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-jar/jersey/repackaged/com/google/common/util/concurrent/ListeningExecutorService.java
* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-jar/jersey/repackaged/com/google/common/util/concurrent/ThreadFactoryBuilder.java
* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-jar/jersey/repackaged/com/google/common/collection/MinMaxPriorityQueue.java
* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-jar/jersey/repackaged/com/google/common/primitives/package-info.java
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* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-jar/jersey/repackaged/com/google/common/util/concurrent/Monitor.java
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* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-jar/jersey/repackaged/com/google/common/collection/BoundType.java
* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-jar/jersey/repackaged/com/google/common/hash/BloomFilterStrategies.java
* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-jar/jersey/repackaged/com/google/common/hash/AbstractHasher.java
* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-jar/jersey/repackaged/com/google/common/collection/EmptyImmutableSortedMultiset.java
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* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-jar/jersey/repackaged/com/google/common/hash/HashFunction.java
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* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-jar/jersey/repackaged/com/google/common/hash/HashingOutputStream.java
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* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-jar/jersey/repackaged/com/google/common/hash/HashCode.java
* /opt/cola/permits/1151187802_1617805373.47/0/jersey-guava-2-22-2-sources-4-jar/jersey/repackaged/com/google/common/hash/AbstractStreamingHashFunction.java
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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:
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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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.

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3. 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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@item
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    Version 2, June 1991

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1.2739 libaudit 1:2.4-1+b1

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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
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All Python releases are Open Source (see http://www.opensource.org for
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releases have also been GPL-compatible; the table below summarizes
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1ubuntu0~16.04.16

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

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Metadata-Version: 2.0
Name: redis-sidecar
Version: 1.7.28
Summary: Redis Sidecar Service (1.7.28)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: maglev-sidecar (==1.7.0)
Requires-Dist: redis (==2.10.5)
Requires-Dist: rsa (==4.5)
Requires-Dist: setuptools (==41.2.0)
Requires-Dist: setuptools-scm (==3.4.3)
Requires-Dist: toml (==0.10.0)
Requires-Dist: urllib3 (==1.24.3)
Requires-Dist: zipp (==1.0.0)

# Sidecar for managed service
+ Requires : Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

### Node Status:
```
curl -X GET <redis-sidecar-endpoint>/api/services/redis_sidecar/status
```

### Cluster Status:
- Redis Cluster status
```
curl -X GET <redis-sidecar-endpoint>/api/v1/sidecar/cluster-status
{
    "version": "1.3.0",
    "response": {
        "covered_slots": "16384",
        "number_of_masters": "3",
        "cluster_status": "Healthy",
        "description": "Covered Slots = Total Slots.",
        "cluster": [
            {
                "slaves": "",
                "name": "ab3ee5e0aab79dab55bc3f76570922cafe90561d",
                "port": 6379,
                "host": "10.60.3.63",
                "num_slots": "5462"
            }
        ]
    }
}```
```json
{
    "slaves": ",",
    "name": "a708f30f6c7e4114b8e1d267b13503888",
    "port": 6379,
    "host": "10.60.3.45",
    "num_slots": "5461"
},
{
    "slaves": ",",
    "name": "d1da0f41d51cd1b8280c575be9981b9f9e5ce62f",
    "port": 6379,
    "host": "10.60.3.14",
    "num_slots": "5461"
}
```

```json
"number_of_slaves": "0"
```

### Migrate:
Migrate "Hash/Keys" from node to another master/node specified.

- Migrate a slot from source to destination
- Migrate number of slots from source to destination
- Migrate all slots from a node to other nodes of the cluster
- Migrate a node. Distribute slots of node to all other

**NOTE**: source_node is always localhost from the sidecar.

Json Request:
- destination_node
- slot
- number_of_slots

```bash
curl -X POST -d 'destination_node_ip:<destination_node_port>,
number_of_slots:"1000"
<redis-sidecar-endpoint>/api/v1/sidecar/migrate
```

### Reshard:
- Balance slots among redis cluster nodes.

```bash
curl -X POST <redis-sidecar-endpoint>/api/v1/sidecar/reshard
```
### Fix:
- Fix/Fill Open Slots and Reshard.

```bash
curl -X POST <redis-sidecar-endpoint>/api/v1/sidecar/fix
```

### Replicate:
- Enable replication between a master and slave node.

Json Request:
- [MANDATORY] slave_node
- [MANDATORY] master_node

```bash
curl -X POST -d '{"slave_node" : "<slave_node_ip>:<slave_node_port>", "master_node" : "<master_node_ip>:<master_node_port>"} \n<redis-sidecar-endpoint>/api/v1/sidecar/replicate
```

### Delete:
- Delete a Node from cluster.

NOTE: This API needs to be run from sidecar of different node.

Json Request:
- [MANDATORY] deletion_node

```bash
curl -X POST -d '{"cluster_node" : "<cluster_node_ip>:<cluster_node_port>"} \n<redis-sidecar-endpoint>/api/v1/sidecar/delete
```

Found in path(s):
* /opt/cola/permits/1176228658_1624653973.59/0/redis-sidecar-1-7-28-dist-info.zip/inputdir/packages_extracted/targz/1/packages_extracted/1/packages_extracted/1/packages_extracted/22/redis_sidecar-1.7.28.dist-info/METADATA

**1.2746 tar 1.29b-1.1**

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1.2747 ospf-manager 1.5.0

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Metadata-Version: 2.0
Name: ospf-manager
Version: 1.5.0
Summary: OSPF Manager Service (1.5.0)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: PyYAML (==3.12)
Requires-Dist: kubernetes (==10.0.0)
Requires-Dist: maglev (~=1.5.0)
Requires-Dist: maglev-api (~=1.5.0)
Requires-Dist: maglev-appserver (~=1.6.0)
Requires-Dist: maglev-common (~=1.5.0)
Requires-Dist: maglev-internal-api (~=1.5.0)
Requires-Dist: maglev-utils (~=1.5.0)
Requires-Dist: pykube (==0.15.1)
Requires-Dist: python-etcld (==0.4.5)
Requires-Dist: requests (==2.13.0)

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+ Requires : Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

Found in path(s):
* /opt/cola/permits/1127087418_1612153840.51/0/ospf-manager-1-5-0-dist-info-
  zip/inputdir/packages_extracted/tar/1/packages_extracted/21/packages_extracted/opt/maglev/lib/python3.5/site-
  packages/ospf_manager-1.5.0.dist-info/METADATA

1.2748 vine 1.3.0

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1.2750 kmod-libs 25-16.el8

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1.2751 @babel/plugin-transform-named-capturing-groups-regex 7.3.0

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1.2752 click 7.0

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.. _contrib:

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

click-contrib
As the userbase of Click grows, more and more major feature requests pop up in Click’s bugtracker. As reasonable as it may be for those features to be bundled with Click instead of being a standalone project, many of those requested features are either highly experimental or have unproven practical use, while potentially being a burden to maintain.

This is why click-contrib exists. The GitHub organization is a collection of possibly experimental third-party packages whose featureset does not belong into Click, but also a playground for major features that may be added to Click in the future. It is also meant to coordinate and concentrate effort on writing third-party extensions for Click, and to ease the effort of searching for such extensions. In that sense it could be described as a low-maintenance alternative to extension repositories of other frameworks.

Please note that the quality and stability of those packages may be different than what you expect from Click itself. While published under a common organization, they are still projects separate from Click.

.. _click-contrib: https://github.com/click-contrib/

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----

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# binary only, patch it back to the system, and then use a wrapper

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import io
import re
from setuptools import setup

with io.open("README.rst", "rt", encoding="utf8") as f:
    readme = f.read()

with io.open("click/__init__.py", "rt", encoding="utf8") as f:
    version = re.search(r"__version__ = '(.*?)'".f.read()).group(1)

setup(
    name="Click",
    version=version,
    url="https://palletsprojects.com/p/click/",
    project_urls={
        "Documentation": "https://click.palletsprojects.com/",
        "Code": "https://github.com/pallets/click",
        "Issue tracker": "https://github.com/pallets/click/issues",
    },
    license="BSD",
    author="Armin Ronacher",
    author_email="armin.ronacher@active-4.com",
    maintainer="Pallets Team",
    maintainer_email="contact@palletsprojects.com",
    description="Composable command line interface toolkit",
    long_description=readme,
    packages=['click'],
    include_package_data=True,
    python_requires=">=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*, !=3.4.*",
    classifiers=[
        "Development Status :: 5 - Production/Stable",
        "Intended Audience :: Developers",
        "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",
        "Programming Language :: Python :: 3.5",
        "Programming Language :: Python :: 3.6",
        "Programming Language :: Python :: 3.7",
    ],
)

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\$ click\_
==========

Click is a Python package for creating beautiful command line interfaces in a composable way with as little code as necessary. It’s the "Command Line Interface Creation Kit". It’s highly configurable but comes with sensible defaults out of the box.

It aims to make the process of writing command line tools quick and fun while also preventing any frustration caused by the inability to implement an intended CLI API.

Click in three points:

- Arbitrary nesting of commands
- Automatic help page generation
- Supports lazy loading of subcommands at runtime

Installing
---------

Install and update using `pip`_:  

.. code-block:: text

   $ pip install click

Click supports Python 3.4 and newer, Python 2.7, and PyPy.


A Simple Example
----------------

What does it look like? Here is an example of a simple Click program:

.. code-block:: python

   import click

   @click.command()
   @click.option("--count", default=1, help="Number of greetings.")
   @click.option("--name", prompt="Your name",
              help="The person to greet.")
def hello(count, name):
    """Simple program that greets NAME for a total of COUNT times."""
    for _ in range(count):
        click.echo('Hello, %s!' % name)

    if __name__ == '__main__':
        hello()

And what it looks like when run:

.. code-block:: text

    $ python hello.py --count=3
    Your name: Click
    Hello, Click!
    Hello, Click!
    Hello, Click!

Donate
------

The Pallets organization develops and supports Click and other popular packages. In order to grow the community of contributors and users, and allow the maintainers to devote more time to the projects, `please donate today`_.

.. _please donate today: https://palletsprojects.com/donate

Links
-----

* Website: https://palletsprojects.com/p/click/
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* Releases: https://pypi.org/project/click/
* Code: https://github.com/pallets/click
* Issue tracker: https://github.com/pallets/click/issues
* Test status:

  * Linux, Mac: https://travis-ci.org/pallets/click
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* Test coverage: https://codecov.io/gh/pallets/click

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1.2753 regex-not 1.0.0

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1.2754 elasticsearch-x-content 7.0.1

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# IP
IP address utilities for node.js

## Usage
Get your ip address, compare ip addresses, validate ip addresses, etc.

```javascript
var ip = require('ip');

ip.address() // my ip address
ip.isEqual('::1', '::0:1'); // true
ip.toBuffer('127.0.0.1') // Buffer([127, 0, 0, 1])
ip.toString(new Buffer([127, 0, 0, 1])) // 127.0.0.1
ip.fromPrefixLen(24) // 255.255.255.0
ip.mask('192.168.1.134', '255.255.255.0') // 192.168.1.0
ip.cidr('192.168.1.134/26') // 192.168.1.128
ip.not('255.255.255.0') // 0.0.0.255
ip.or('192.168.1.134', '0.0.0.255') // 192.168.1.255
ip.isPrivate('127.0.0.1') // true
```
// operate on buffers in-place
var buf = new Buffer(128);
var offset = 64;
ip.toBuffer('127.0.0.1', buf, offset);  // [127, 0, 0, 1] at offset 64
ip.toString(buf, offset, 4);            // '127.0.0.1'

// subnet information
ip.subnet('192.168.1.134', '255.255.255.192')
// { networkAddress: '192.168.1.128',
//   firstAddress: '192.168.1.129',
//   lastAddress: '192.168.1.190',
//   broadcastAddress: '192.168.1.191',
//   subnetMask: '255.255.255.192',
//   subnetMaskLength: 26,
//   numHosts: 62,
//   length: 64 }                   
ip.cidrSubnet('192.168.1.134/26')  // Same as previous.

// ipv4 long conversion
ip.toLong('127.0.0.1'); // 2130706433
ip.fromLong(2130706433); // '127.0.0.1'
```

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Found in path(s):
* /opt/cola/permits/1128909435_1612118840.84/0/fis-components-ansi-regex-2-0-0-0-g8937266-tar-gz/fis-components-ansi-regex-ab19d26/readme.md

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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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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:

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- Ali Afshar
- David Barnett
- Pior Bastida
- Anthony Baxter
- Erik Bray
- C. Titus Brown
- Francisco Martin Brugu
- Nicolas Cadou
- Godefroid Chapelle
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Upstream Author: Giuseppe Scrivano <gscrivano@gnu.org>

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1.2772 influxdb 3.0.0

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Metadata-Version: 2.0
Name: maglev-appserver
Version: 1.8.28
Summary: Maglev Python AppServer(1.8.28)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: Jinja2 (==2.11.3)
Requires-Dist: MarkupSafe (==1.1.1)
Requires-Dist: aiohttp (==2.2.5)
Requires-Dist: aiohttp-swagger (==1.0.4)
Requires-Dist: async-timeout (==1.4.0)
Requires-Dist: charset (==3.0.4)
Requires-Dist: importlib-metadata (==2.0.0)
Requires-Dist: influxdb (==3.0.0)
Requires-Dist: jaeger-client (==3.8.0)
Requires-Dist: jsonschema (==2.5.1)
Requires-Dist: maglev-appctl (==1.7.0)
Requires-Dist: maglev-fips (==1.0.0)
Requires-Dist: motor (==1.1)
Requires-Dist: multidict (==4.7.6)
Requires-Dist: obigraph (==3.1.0)
Requires-Dist: opentracing (==1.3.0)
Requires-Dist: opentracing-instrumentation (==2.4.0)
Requires-Dist: pika (==0.10.0)
Requires-Dist: py-zipkin (==0.4.4)
Requires-Dist: pyJwt (==1.5.1)
Requires-Dist: pyformance (==0.3.4)
Requires-Dist: pymongo (==3.10.1)
Requires-Dist: python-json-logger (==0.1.5)
Requires-Dist: requests (==2.25.1)
Requires-Dist: setuptools (==41.2.0)
Requires-Dist: setuptools-scm (==3.4.3)
Requires-Dist: toml (==0.10.0)
# Installation
+ Requires : Python 3.5 download the dmg and install, use pyenv to create a virtual environment

# How to test and develop in local mac
- Use pyenv to create a virtual env in /opt/maglev
- u can either call the activate script to activate the virtualenv

Found in path(s):
* /opt/shark/permits/1175986153_1624561285.54/0/maglev-appserver-1-8.28-dist-info-
zip/inputdir/packages_extracted/tar/1/packages_extracted/27/packages_extracted/usr/local/lib/python3.6/dist-
packages/maglev_appserver-1.8.28.dist-info/METADATA

## Jersey-hk2 2.28
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* [https://github.com/eclipse-ee4j/jersey](https://github.com/eclipse-ee4j/jersey)

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# Contributions to the urllib3 project

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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


* kennethreitz <me@kennethreitz.com>
* Bugfixes, suggestions, Requests integration

* 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>
  * `HTTPRequest.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()``.

* 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.

* [Your name or handle] <[email or website]>
  * [Brief summary of your changes]

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1.2786 python-attr 17.4.0-2

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1.2789 libcryptoheimdal
1.7~git20150920+dfsg 4ubuntu1.16.04.1
1.2789.1 Available under license:
Release Notes:

popper-1.831beta is no longer beta30 July 91
Removed popper-1.7.tar.Z

popper-1.831beta.tar.Z03 April 91
Changed mkstemp to mktemp for Ultrix. Sigh.

popper-1.83beta.tar.Z02 April 91
This version makes certain that while running as root we do nothing at all destructive.

popper-1.82beta.tar.Z 27 March 91

This version fixes problems on Encore MultiMax and some Sun releases which wouldn't allow a user to ftruncate() a file from an open file descriptor unless the user owns the file. Now the user owns the /usr/spool/mail/.userid.pop file. Thanks to Ben Levy of FTP Software and Henry Holtzman of Apple.

popper-1.81beta.tar.Z 20 March 91

This version of popper is supposed to fix three problems reported with various versions of popper (all called 1.7 or 1.7something).

1) Dropped network connections meant lost mail files. Some 1.7 versions also risked corrupting mail files.

2) Some versions of 1.7 created temporary drop files with world read and write permissions.

3) Some versions of 1.7 were not careful about opening the temporary drop file.

popper-1.7.tar.Z 09 September 90 (updated 20 March 91)

This version will exhibit the first problem listed above if it is compiled with -DDEBUG and run without the "-d" (debug) flag.

If it is compiled without -DDEBUG it will exhibit only the second and third bug listed above.

Cliff Frost poptest@nettlesome.berkeley.edu
UC Berkeley
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Heimdal is a Kerberos 5 implementation.

For information how to install see <http://www.h5l.org/compile.html>.
There are briefer man pages for most of the commands.

Bug reports and bugs are appreciated, see more under Bug reports in the manual on how we prefer them: <heimdal-bugs@h5l.org>.

For more information see the web-page at <http://www.h5l.org/> or the mailing lists:

heimdal-announce@sics.se low-volume announcement
heimdal-discuss@sics.se high-volume discussion

send a mail to heimdal-announce-request@sics.se and heimdal-discuss-request@sics.se respectively to subscribe.

This is a distribution of both client and server telnet. These programs have been compiled on:

telnet	telnetd
4.4 BSD-Lite  x  x
4.3 BSD Reno  X  X
UNICOS 9.1  X  X
UNICOS 9.0  X  X
UNICOS 8.0  X  X
BSDI 2.0  X  X
Solaris 2.4  x  x (no linemode in server)
SunOs 4.1.4  X  X (no linemode in server)
Ultrix 4.3  X  X (no linemode in server)
Ultrix 4.1  X  X (no linemode in server)

In addition, previous versions have been compiled on the following machines, but were not available for testing this version.

telnet	telnetd
Next1.0  X  X
UNICOS 8.3  X  X
UNICOS 7.C  X  X
UNICOS 7.0  X  X
SunOs 4.0.3c  X  X (no linemode in server)
4.3 BSD  X  X (no linemode in server)
DYNIX V3.0.12  X  X (no linemode in server)
Ultrix 3.1  X  X (no linemode in server)
Ultrix 4.0  X  X (no linemode in server)
SunOs 3.5  X  X (no linemode in server)
SunOs 4.1.3  X  X (no linemode in server)
Solaris 2.2  x  x (no linemode in server)
Solaris 2.3  x  x (no linemode in server)
BSDI 1.0  X  X
BSDI 1.1  X  X
DYNIX V3.0.17.9  X  X (no linemode in server)
This code should work, but there are no guarantees.

May 30, 1995

This release represents what is on the 4.4BSD-Lite2 release, which should be the final BSD release. I will continue to support of telnet. The code (without encryption) is available via anonymous ftp from ftp.cray.com, in src/telnet/telnet.YY.MM.DD.NE.tar.Z, where YY.MM.DD is replaced with the year, month and day of the release. If you can't find it at one of these places, at some point in the near future information about the latest releases should be available from ftp.borman.com.

In addition, the version with the encryption code is available via ftp from net-dist.mit.edu, in the directory /pub/telnet. There is a README file there that gives further information on how to get the distribution.

Questions, comments, bug reports and bug fixes can be sent to one of these addresses:

dab@borman.com

dab@cray.com

dab@bsdi.com

This release is mainly bug fixes and code cleanup.

Replace all calls to bcopy()/bzero() with calls to memmove()/memset() and all calls to index()/rindex() with calls to strchr()/strrchr().

Add some missing diagnostics for option tracing to telnetd.

Add support for BSDI 2.0 and Solaris 2.4.

Add support for UNICOS 8.0.

Get rid of expanded tabs and trailing white spaces.

From Paul Vixie:
Fix for telnet going into an endless spin when the session dies abnormally.

From Jef Poskanzer:
Changes to allow telnet to compile under SunOS 3.5.
From Philip Guenther:
makeutx() doesn't expand utmpx,
use pututxline() instead.

From Chris Torek:
Add a sleep(1) before execing login
to avoid race condition that can eat
up the login prompt.
Use terminal speed directly if it is
not an encoded value.

From Steve Parker:
Fix to realloc() call. Fix for execing
login on solaris with no user name.

January 19, 1994

This is a list of some of the changes since the last tar release
of telnet/telnetd. There are probably other changes that aren’t
listed here, but this should hit a lot of the main ones.

General:
Changed #define for AUTHENTICATE to AUTHENTICATION
Changed #define for ENCRYPT to ENCRYPTION
Changed #define for DES_ENCRYPT to DES_ENCRYPTION

Added support for SPX authentication: -DSPX

Added support for Kerberos Version 5 authentication: -DKRB5

Added support for ANSI C function prototypes

Added support for the NEW-ENVIRON option (RFC-1572)
including support for USERVAR.

Made support for the old Environment Option (RFC-1408)
conditional on -DOLD_ENVIRON

Added #define ENV_HACK - support for RFC 1571

The encryption code is removed from the public distributions.
Domestic 4.4 BSD distributions contain the encryption code.

ENV_HACK: Code to deal with systems that only implement
the old ENVIRON option, and have reversed definitions
of ENV_VAR and ENV_VAL. Also fixes ENV processing in
client to handle things besides just the default set...
NO_BSD_SETJMP: UNICOS configuration for UNICOS 6.1/6.0/5.1/5.0 systems.

STREAMSPTY: Use /dev/ptmx to get a clean pty. This is for SVr4 derivatives (Like Solaris)

UTMPX: For systems that have /etc/utmpx. This is for SVr4 derivatives (Like Solaris)

Definitions for BSDI 1.0

Definitions for 4.3 Reno and 4.4 BSD.

Definitions for UNICOS 8.0 and UNICOS 7.C

Definitions for Solaris 2.0

Definitions for HP-UX 8.0

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FLOW-CONTROL: support for RFC-XXXx

Client Specific:

Fix the "send" command to not send garbage...

Fix status message for "skipre"

Make sure to send NAWS after telnet has been suspended or an external command has been run, if the window size has changed.

sysV88 support.

Server Specific:

Support flowcontrol option in non-linemode servers.

-k Server supports Kludge Linemode, but will default to either single character mode or real Linemode support. The user will have to explicitly ask to switch into kludge linemode. ("stty extproc", or escape back to telnet and say "mode line".)

-u Specify the length of the hostname field in the utmp
Hostname longer than this length will be put into the utmp file in dotted decimal notation, rather than putting in a truncated hostname.

-U Registered hosts only. If a reverse hostname lookup fails, the connection will be refused.

-f/-F
Allows forwarding of credentials for KRB5.

February 22, 1991:

Features:

This version of telnet/telnetd has support for both the AUTHENTICATION and ENCRYPTION options. The AUTHENTICATION option is fairly well defined, and an option number has been assigned to it. The ENCRYPTION option is still in a state of flux; an option number has been assigned to, but it is still subject to change. The code is provided in this release for experimental and testing purposes.

The telnet "send" command can now be used to send do/dont/will/wont commands, with any telnet option name. The rules for when do/dont/will/wont are sent are still followed, so just because the user requests that one of these be sent doesn't mean that it will be sent...

The telnet "getstatus" command no longer requires that option printing be enabled to see the response to the "DO STATUS" command.

A -n flag has been added to telnetd to disable keepalives.

A new telnet command, "auth" has been added (if AUTHENTICATE is defined). It has four sub-commands, "status", "disable", "enable" and "help".

A new telnet command, "encrypt" has been added (if ENCRYPT is defined). It has many sub-commands: "enable", "type", "start", "stop", "input", "-input", "output", "-output", "status", and "help".

The LOGOUT option is now supported by both telnet and telnetd, a new command, "logout", was added.
Several new toggle options were added:

- autoencrypt
- autodecrypt
- autologin
- authdebug
- encdebug
- skiprc
- verbose_encrypt

An "rlogin" interface has been added. If the program is named "rlogin", or the "-r" flag is given, then an rlogin type of interface will be used.

~. Terminates the session
~<susp> Suspend the session
~^] Escape to telnet command mode
~~ Pass through the ~.

Bug: If you type the rlogin escape character in the middle of a line while in rlogin mode, you cannot erase it or any characters before it. Hopefully this can be fixed in a future release...

General changes:

A "libtelnet.a" has now been created. This library contains code that is common to both telnet and telnetd. This is also where library routines that are needed, but are not in the standard C library, are placed.

The makefiles have been re-done. All of the site specific configuration information has now been put into a single "Config.generic" file, in the top level directory. Changing this one file will take care of all three subdirectories. Also, to add a new/local definition, a "Config.local" file may be created at the top level; if that file exists, the subdirectories will use that file instead of "Config.generic".

Many 1-2 line functions in commands.c have been removed, and just inserted in-line, or replaced with a macro.

Bug Fixes:

The non-termio code in both telnet and telnetd was setting/clearing CTLECH in the sg_flags word. This was incorrect, and has been changed to set/clear the LCTLECH bit in the local mode word.

The SRCRT #define has been removed. If IP_OPTIONS
and IPPROTO_IP are defined on the system, then the source route code is automatically enabled.

The NO_GETTYTAB #define has been removed; there is a compatibility routine that can be built into libtelnet to achieve the same results.

The server, telnetd, has been switched to use getopt() for parsing the argument list.

The code for getting the input/output speeds via cfgetispeed()/cfgetospeed() was still not quite right in telnet. Posix says if the ispeed is 0, then it is really equal to the ospeed.

The suboption processing code in telnet now has explicit checks to make sure that we received the entire suboption (telnetd was already doing this).

The telnet code for processing the terminal type could cause a core dump if an existing connection was closed, and a new connection opened without exiting telnet.

Telnetd was doing a TCSADRAIN when setting the new terminal settings; This is not good, because it means that the tcsetattr() will hang waiting for output to drain, and telnetd is the only one that will drain the output... The fix is to use TCSANOW which does not wait.

Telnetd was improperly setting/clearing the ISTRIP flag in the c_iflag field, it should be using the c_iflag field.

When the child process of telnetd was opening the slave side of the pty, it was re-setting the EXTPROC bit too early, and some of the other initialization code was wiping it out. This would cause telnetd to go out of linemode and into single character mode.

One instance of leaving linemode in telnetd forgot to send a WILL ECHO to the client, the net result would be that the user would see double character echo.

If the MODE was being changed several times very quickly, telnetd could get out of sync with the
state changes and the returning acks; and wind up being left in the wrong state.

September 14, 1990:

Switch the client to use getopt() for parsing the argument list. The 4.3Reno getopt.c is included for systems that don't have getopt().

Use the posix _POSIX_VDISABLE value for what value to use when disabling special characters. If this is undefined, it defaults to 0x3ff.

For non-termio systems, TIOCSETP was being used to change the state of the terminal. This causes the input queue to be flushed, which we don't want. This is now changed to TIOCSETN.

Take out the "#ifdef notdef" around the code in the server that generates a "sync" when the pty output is flushed. The potential problem is that some older telnet clients may go into an infinite loop when they receive a "sync", if so, the server can be compiled with "NO_URGENT" defined.

Fix the client where it was setting/clearing the OPOST bit in the c_iflag field, not the c_oflag field.

Fix the client where it was setting/clearing the ISTRIP bit in the c_iflag field, not the c_iflag field. (On 4.3Reno, this is the ECHOPRT bit in the c_iflag field.) The client also had its interpretation of WILL BINARY and DO BINARY reversed.

Fix a bug in client that would cause a core dump when attempting to remove the last environment variable.

In the client, there were a few places were switch() was being passed a character, and if it was a negative value, it could get sign extended, and not match the 8 bit case statements. The fix is to and the switch value with 0xff.

Add a couple more printoption() calls in the client. I don't think there are any more places were a telnet command can be received and not printed out when "options" is on.
A new flag has been added to the client, "-a". Currently, this just causes the USER name to be sent across, in the future this may be used to signify that automatic authentication is requested.

The USER variable is now only sent by the client if the "-a" or "-l user" options are explicity used, or if the user explicitly asks for the "USER" environment variable to be exported. In the server, if it receives the "USER" environment variable, it won't print out the banner message, so that only "Password:" will be printed. This makes the symantics more like rlogin, and should be more familiar to the user. (People are not used to getting a banner message, and then getting just a "Password:" prompt.)

Re-vamp the code for starting up the child login process. The code was getting ugly, and it was hard to tell what was really going on. What we do now is after the fork(), in the child:
1) make sure we have no controlling tty
2) open and initialize the tty
3) do a setsid()/setpgprp()
4) makes the tty our controlling tty.
On some systems, #2 makes the tty our controlling tty, and #4 is a no-op. The parent process does a gets rid of any controlling tty after the child is fork()ed.

Use the strdup() library routine in telnet, instead of the local savestr() routine. If you don't have strdup(), you need to define NO_STRDUP.

Add support for ^T (SIGINFO/VSTATUS), found in the 4.3Reno distribution. This maps to the AYT character. You need a 4-line bugfix in the kernel to get this to work properly:

```
> *** tty_pty.c.ORG	Tue Sep 11 09:41:53 1990
> --- tty_pty.c	Tue Sep 11 17:48:03 1990
> ***************
> *** 609,613 ****
> if ((tp->t_iflag&NOFLSH) == 0)
> ttyflush(tp, FREAD|FWRITE);
> ! pgsignal(tp->t_pgrp, *(unsigned int *)data);
> return(0);
> }
> --- 609,616 ----
```
> if ((tp->t_lflag&NOFLSH) == 0)
> ttyflush(tp, FREAD|FWRITE);
> ! pgsignal(tp->t_pgrp, *(unsigned int *)data, 1);
> ! if (*((unsigned int *)data == SIGINFO) &&
> ! ((tp->t_lflag&NOKERNINFO) == 0))
> ! ttyinfo(tp);
> return(0);
> }

The client is now smarter when setting the telnet escape character; it only sets it to one of VEOL and VEOL2 if one of them is undefined, and the other one is not already defined to the telnet escape character.

Handle TERMIOS systems that have separate input and output line speed settings imbedded in the flags.

Many other minor bug fixes.

June 20, 1990:
Re-organize makefiles and source tree. The telnet/Source directory is now gone, and all the source that was in telnet/Source is now just in the telnet directory.

Separate makefile for each system are now gone. There are two makefiles, Makefile and Makefile.generic. The "Makefile" has the definitions for the various system, and "Makefile.generic" does all the work. There is a variable called "WHAT" that is used to specify what to make. For example, in the telnet directory, you might say:
make 4.4bsd WHAT=clean
to clean out the directory.

Add support for the ENVIRON and XDISPLOC options. In order for the server to work, login has to have the "-p" option to preserve environment variables.

Add the SOFT_TAB and LIT_ECHO modes in the LINEMODE support.

Add the "-l user" option to command line and open command (This is passed through the ENVIRON option).

Add the "-e" command line option, for setting the escape character.

Add the "-D", diagnostic, option to the server. This allows the server to print out debug information, which is very
useful when trying to debug a telnet that doesn't have any debugging ability.

Turn off the literal next character when not in LINEMODE.

Don't recognize ^Y locally, just pass it through.

Make minor modifications for Sun4.0 and Sun4.1

Add support for both FORW1 and FORW2 characters. The telnet escape character is set to whichever of the two is not being used. If both are in use, the escape character is not set, so when in linemode the user will have to follow the escape character with a <CR> or <EOF) to get it passed through.

Commands can now be put in single and double quotes, and a backslash is now an escape character. This is needed for allowing arbitrary strings to be assigned to environment variables.

Switch telnetd to use macros like telnet for keeping track of the state of all the options.

Fix telnetd's processing of options so that we always do the right processing of the LINEMODE option, regardless of who initiates the request to turn it on. Also, make sure that if the other side went "WILL ECHO" in response to our "DO ECHO", that we send a "DONT ECHO" to get the option turned back off!

Fix the TERMIOS setting of the terminal speed to handle both BSD's separate fields, and the SYSV method of CBAUD bits.

Change how we deal with the other side refusing to enable an option. The sequence used to be: send DO option; receive WONT option; send DONT option. Now, the sequence is: send DO option; receive WONT option. Both should be valid according to the spec, but there has been at least one client implementation of telnet identified that can get really confused by this. (The exact sequence, from a trace on the server side, is (numbers are number of responses that we expect to get after that line)...):

send WILL ECHO1 (initial request)
send WONT ECHO2 (server is changing state)
recv DO ECHO1 (first reply, ok. expect DONT ECHO next)
send WILL ECHO2 (server changes state again)
recv DONT ECHO1 (second reply, ok. expect DO ECHO next)
recv DONT ECHO0 (third reply, wrong answer. got DONT!!!)
***send WONT ECHO (send WONT to acknowledge the DONT)
send WILL ECHO1 (ask again to enable option)
recv DO ECHO0

recv DONT ECHO0
send WONT ECHO1
recv DONT ECHO0
recv DO ECHO1
send WILL ECHO0
(and the last 5 lines loop forever)

The line with the "***" is last of the WILL/DONT/WONT sequence.
The change to the server to not generate that makes this same example become:

send will ECHO1
send wont ECHO2
recv do ECHO2
send will ECHO2
recv dont ECHO1
recv dont ECHO0
recv do ECHO1
send will ECHO0

There is other option negotiation going on, and not sending
the third part changes some of the timings, but this specific example no longer gets stuck in a loop. The "telnet.state" file has been modified to reflect this change to the algorithm.

A bunch of miscellaneous bug fixes and changes to make lint happier.

This version of telnet also has some KERBEROS stuff in it. This has not been tested, it uses an un-authorized telnet option number, and uses an out-of-date version of the (still being defined) AUTHENTICATION option. There is no support for this code, do not enable it.

March 1, 1990:
CHANGES/BUGFIXES SINCE LAST RELEASE:
Some support for IP TOS has been added. Requires that the kernel support the IP_TOS socket option (currently this is only in UNICOS 6.0).

Both telnet and telnetd now use the cc_t typedef. typedefs are
included for systems that don't have it (in termios.h).

SLC_SUSP was not supported properly before. It is now.

IAC_EOF was not translated properly in telnetd for SYSV_TERMIO when not in linemode. It now saves a copy of the VEOF character, so that when ICANON is turned off and we can't trust it anymore (because it is now the VMIN character) we use the saved value.

There were two missing "break" commands in the linemode processing code in telnetd.

Telnetd wasn't setting the kernel window size information properly. It was using the rows for both rows and columns...

Questions/comments go to
David Borman
Cray Research, Inc.
655F Lone Oak Drive
Eagan, MN 55123
dab@cray.com.

README: You are reading it.

Config.generic:
This file contains all the OS specific definitions. It has pre-definitions for many common system types, and is in standard makefile format. See the comments at the top of the file for more information.

Config.local:
This is not part of the distribution, but if this file exists, it is used instead of "Config.generic". This allows site specific configuration without having to modify the distributed "Config.generic" file.

kern.diff:
This file contains the diffs for the changes needed for the kernel to support LINEMODE is the server. These changes are for a 4.3BSD system. You may need to make some changes for your particular system.

There is a new bit in the terminal state word, TS_EXTPROC. When this bit is set, several aspects of the terminal driver are disabled. Input line editing, character echo, and mapping of signals are all disabled. This allows the telnetd to turn off these functions when in linemode, but still keep track of what state the user wants the terminal to be in.
New ioctl():

TIOCEXT
Turn on/off the TS_EXTPROC bit
TIOCGSTATE
Get t_state of tty to look at TS_EXTPROC bit
TIOCSIG
Generate a signal to processes in the current process group of the pty.

There is a new mode for packet driver, the TIOCPKT_IOCTL bit. When packet mode is turned on in the pty, and the TS_EXTPROC bit is set, then whenever the state of the pty is changed, the next read on the master side of the pty will have the TIOCPKT_IOCTL bit set, and the data will contain the following:

```c
struct xx {
    struct sgtytba a;
    struct tchars b;
    struct ltchars c;
    int t_state;
    int t_flags;
}
```

This allows the process on the server side of the pty to know when the state of the terminal has changed, and what the new state is.

However, if you define USE_TERMIO or SYSV_TERMIO, the code will expect that the structure returned in the TIOCPKT_IOCTL is the termio/termios structure.

stty.diff:
This file contains the changes needed for the stty(1) program to report on the current status of the TS_EXTPROC bit. It also allows the user to turn on/off the TS_EXTPROC bit. This is useful because it allows the user to say "stty -extproc", and the LINEMODE option will be automatically disabled, and saying "stty extproc" will re-enable the LINEMODE option.

telnet.state:
Both the client and server have code in them to deal with option negotiation loops. The algorithm that is used is described in this file.

telnet:
This directory contains the client code. No kernel changes are needed to use this code.

telnetd:
This directory contains the server code. If LINEMODE or KLUDGELINEMODE are defined, then the kernel modifications listed above are needed.
libtelnet:
This directory contains code that is common to both the client
and the server.

arpa:
This directory has a new <arpa/telnet.h>

libtelnet/Makefile.4.4:
telnet/Makefile.4.4:
telnetd/Makefile.4.4:
These are the makefiles that can be used on a 4.3Reno
system when this software is installed in /usr/src/lib/libtelnet,
/usr/src/libexec/telnetd, and /usr/src/usr.bin/telnet.

The following TELNET options are supported:

LINEMODE:
The LINEMODE option is supported as per RFC1116. The
FORWARDMASK option is not currently supported.

BINARY: The client has the ability to turn on/off the BINARY
option in each direction. Turning on BINARY from
server to client causes the LITOUT bit to get set in
the terminal driver on both ends, turning on BINARY
from the client to the server causes the PASS8 bit
to get set in the terminal driver on both ends.

TERMINAL-TYPE:
This is supported as per RFC1091. On the server side,
when a terminal type is received, termcap/terminfo
is consulted to determine if it is a known terminal
type. It keeps requesting terminal types until it
gets one that it recognizes, or hits the end of the
list. The server side looks up the entry in the
termcap/terminfo data base, and generates a list of
names which it then passes one at a time to each
request for a terminal type, duplicating the last
entry in the list before cycling back to the beginning.

NAWS: The Negotiate about Window Size, as per RFC 1073.

TERMINAL-SPEED:
Implemented as per RFC 1079

TOGGLE-FLOW-CONTROL:
Implemented as per RFC 1080
TIMING-MARK:
As per RFC 860

SGA: As per RFC 858

ECHO: As per RFC 857

LOGOUT: As per RFC 727

STATUS:
The server will send its current status upon request. It does not ask for the client's status.
The client will request the server's current status from the "send getstatus" command.

ENVIRON:
This option is currently being defined by the IETF Telnet Working Group, and an RFC has not yet been issued, but should be in the near future...

X-DISPLAY-LOCATION:
This functionality can be done through the ENVIRON option, it is added here for completeness.

AUTHENTICATION:
This option is currently being defined by the IETF Telnet Working Group, and an RFC has not yet been issued. The basic framework is pretty much decided, but the definitions for the specific authentication schemes is still in a state of flux.

ENCRYPTION:
This option is currently being defined by the IETF Telnet Working Group, and an RFC has not yet been issued. The draft RFC is still in a state of flux, so this code may change in the future.

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-- Tom St Denis
This kerberized popper was based on popper-1.831beta
which was later announced as "offical" and not beta.

This program is able to talk both the pop3 and the kpop3 protocol.

Please note that the server principal is pop.hostname and not rcmd.hostname. I.e an additional entry is needed in your mailhub's /etc/srvtab. Use ksrvutil to add the extra prinicpal.

The server is usually started from inetd and there is already an entry for that in inetd.conf.changes.
Note on ksu
-----------
This program is not installed setuid root be default. If you want to install it setuid root, then you can override the package permissions with:

dpkg-statoverride --update --add root root 4755 /usr/bin/ksu

Note on ipropd and/or hpropd
-----------------------------
The following entries may be required in you /etc/services file (see bug #139845):
krb_prop 754/tcp  # Kerberos slave propagation
iprop 2121/tcp  # incremental propagation

Note on kerberos.8 man page
---------------------------
This man page is not currently included due to conflict with kerberos4kth-kdc package. For more information on Kerberos, see:

Installing heimdal for Debian
-----------------------------(Note: if you do not have a krb4 KDC, you may need to include
"krb4_get_tickets = no" in the [libdefaults] section of kdc.conf; otherwise kinit will complain with an error).

Things you will have to do manually (see info documentation for details):

On KDC:
1. Add administrator keys using kadmin.

For example:
# kadmin -l
kadmin> add bam/admin
Max ticket life [unlimited]:
Max renewable life [unlimited]:
Principal expiration time [never]:
Password expiration time [never]:
Attributes []:
bam/admin@CHOCBIT.ORG.AU’s Password:
Verifying password - bam/admin@CHOCBIT.ORG.AU’s Password:

2. Add kadmin/admin key to KDC:

For example:
# kadmin -l
kadmin> add -r kadmin/admin@CHOCBIT.ORG.AU
Max ticket life [unlimited]:
Max renewable life [unlimited]:
Principal expiration time [never]:
Password expiration time [never]:
Attributes []:

(note: this key doesn't need to be extracted).

3. Enable remote administration by creating /etc/heimdal-kdc/kadmind.acl
For example:

echo 'bam/admin@CHOCBIT.ORG.AU all' > /etc/heimdal-kdc/kadmind.acl

4. Test.

For example:

# kadmin -p bam/admin

bam/admin@CHOCBIT.ORG.AU's Password:

kadmin> list *

[should list all keys]

5. Add user keys

For example:

# kadmin -p bam/admin

bam/admin@CHOCBIT.ORG.AU's Password:

kadmin> add bam

On other computers:
1. If you installed heimdal-clients-x or heimdal-servers-x, then you will need to add the following entry to /etc/services

kx              2111/tcp                        # X over kerberos

(check to make sure this doesn't already exist).
2. edit /etc/krb5.conf
3. setup secret keys each computer, using kadmin and/or ktutil.

For example, on remote computer dewey.chocbit.org.au:

bam/admin@CHOCBIT.ORG.AU's Password:

kadmin> add -r host/dewey.chocbit.org.au

[...]

kadmin> ext host/dewey.chocbit.org.au

kadmin> add -r ftp/dewey.chocbit.org.au

[...]

kadmin> ext ftp/dewey.chocbit.org.au

The ext command extracts keys to /etc/krb5.keytab, where they can be inspected with the "ktutil list" command at the shell prompt.

Tell me if any files conflict with any other package - do not try to force the package to install, otherwise things may break...

In general, this package conflicts with kerberos4kth and probably MIT Kerberos (not packaged as of potato). Local installations under /usr/local should be OK.

Changes from upstream source:
1. popper checks for $HOME/Maildir, $HOME/Box and /var/spool/mail/<user>
2. /var/lib/heimdal-kdc used instead of /var/heimdal
3. /usr/bin/login moved to /usr/lib/heimdal-servers
4. /usr/lib/heimdal-servers used instead of /usr/libexec
5. telnet and ftp have been renamed to ktelnet and kftp, and use the update-alternatives mechanism. In the future, this should allow heimdal-clients to exist at the same time as telnet-ssl.
6. kdc config files kdc.conf and kadmind.acl stored in /etc/heimdal-kdc instead of /usr/lib/heimdal-servers.

Automatically creating users
-----------------------------

Option #1: Use perl glue found at <ftp://ftp.su.se/pub/users/leifj/Heimdal-Kadm5-0.04.tar.gz>

Option #2: cat kadmin-commands | kadmin

For more details, see <http://bugs.debian.org/276402>.

-- Brian May <bam@debian.org>, Wed, 8 Dec 1999 11:54:13 +1100

-- in order of preference

- client: support KRB5_PADATA_ENCRYPTED_CHALLENGE in lib/krb5/init_creds_pw.c
- client: don't support ENC-TS in FAST

- client: plugin support for fast plugins

- kdc: plugin support for fast plugins
partly done with "struct kdc_patypes"

- kcm: support FAST armor ticket
-- using PK-INIT anonymous
-- using host key

- client: tgs-req fast support
- kdc: tgs-req fast support

This package was debianized by Brian May <bam@snoopy.apana.org.au> on Wed, 8 Dec 1999 11:54:13 +1100.

It was downloaded from http://www.pdc.kth.se/heimdal/

Upstream Authors: heimdal-bugs@pdc.kth.se
(see above URL for mailing list info).

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RFCs in lib/wind:

rfc3454.txt has been stripped of content, only the tables remain.

rfc3490.txt, rfc3491.txt, rfc4013.txt, rfc4518.txt have been removed.

rfc3492.txt contains the following license:

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This is a set of patches and files to get a DFS ticket from a k5 ticket. This code comes from Doug Engert, Argonne Nat. Lab (See dce/README.original for more info).

The files in dce are;
testpag: for testing if this is at all possible.
k5dfspsag: included in libkrb5
k5dcecon: Creates (or searches for) the actual DFSPAG ticketfile.
dpagaix: An AIX syscall stub.
README.original: Original README file from Doug Engert

Certain applications (rshd/telnetd) have been patched to call the functions in k5dfspsag when the situation is right. They are ifdef with DCE. The patches are also originally from Doug but they
where against MIT krb5 code and have been merged into heimdal by me. I will try to fix ftpd soon...

There is also an ifdefs for DCE & AIX that can be used to make AIX use DCE for getting group/passwd entries. This is needed if one is running with a bare bones passwd/group file and AUTHSTATE set to DCE (This will be more or less clear to people doing this...) I have forced this on for now.

k5dfspag.c is in lib/krb5
k5dfspag.c is dependent on DCE only.
It is also POSIX systems only. There are defines for the location of k5dcecon and dpagaix that needs a correct configure setting.

k5dcecon needs no special things for the compile except whatever is needed on the target system to compile dce programs.
(On aix the dce compile flags are: -D_THREAD_SAFE -D_AIX32_THREADS=1 -D_AIX41 -D_AES_SOURCE or one can use xlc_r4 if it is version 3.6.4 or later)

k5dcecon wants the following libs (on aix 4.3):
-ldce (and setenV from somewhere)

dpagaix is only needed on AIX (see k5dfspag.c).
dpagaix needs dfspag.exp and is linked with
ld -edpagaix -o dpagaix dpagaix.o dfspag.exp

Hope to get this into heimdal soon :-) although I know that you will have to change some things to get it cleanly into configure. Since I don't know the structure of the code (heimdal), nor enough of configure, good enough I just won't try it myself.

One more thing, to get this to work one has to put fcache_version = x in krb5.conf where x = whatever the DCE implementation understands, (usually 1 or 2).
Thanks for adding that...

"ke Sandgren (ake@hpc2n.umu.se)
HPC2N
Ume" University
Sweden

PS
I have now added patches for configure.in and some Makefile.am's to get this all cleanly (I hope) into heimdal.

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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

AES in libhcrypto

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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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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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<signature of Ty Coon>, 1 April 1989
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1.2795 thriftpy 0.3.9
1.2795.1 Available under license:

No license file was found, but licenses were detected in source scan.

Metadata-Version: 1.1
Name: thriftpy
Version: 0.3.9
Summary: Pure python implementation of Apache Thrift.
Home-page: https://thriftpy.readthedocs.org/
Author: Lx Yu
Author-email: i@lxyu.net
License: MIT
Description: =========
ThriftPy

ThriftPy is a pure python implementation of

Documentation: https://thriftpy.readthedocs.org/
Installation
=============

Install with pip.

.. code:: bash

    $ pip install thriftpy

You may also install cython first to build cython extension locally.

.. code:: bash

    $ pip install cython thriftpy

Code Demo
=========  

ThriftPy make it super easy to write server/client code with thrift. Let's checkout this simple pingpong service demo.

We need a 'pingpong.thrift' file:

```thrift
service PingPong {
    string ping().
}
```

Then we can make a server:

```python
import thriftpy

pingpong_thrift = thriftpy.load("pingpong.thrift", module_name="pingpong_thrift")

from thriftpy.rpc import make_server

class Dispatcher(object):
    def ping(self):
        return "pong"

server = make_server(pingpong_thrift.PingPong, Dispatcher(), '127.0.0.1', 6000)
server.serve()
```

And a client:
.. code:: python

    import thriftpy
    pingpong_thrift = thriftpy.load("pingpong.thrift", module_name="pingpong_thrift")

    from thriftpy.rpc import make_client

    client = make_client(pingpong_thrift.PingPong, '127.0.0.1', 6000)
    print(client.ping())

See, it's that easy!

You can refer to 'examples' and 'tests' directory in source code for more usage examples.

Features
========

Currently ThriftPy have these features (also advantages over the upstream python lib):

- Supports python2.6+, python3.3+, pypy and pypy3.

- Pure python implementation. No longer need to compile & install the 'thrift' package. All you need is thriftpy and thrift file.

- Compatible with Apache Thrift. You can use ThriftPy together with the official implementation servers and clients, such as a upstream server with a thriftpy client or the opposite.

Currently implemented protocols and transports:

* binary protocol (python and cython)

* compact protocol (python and cython)

* json protocol

* buffered transport (python & cython)

* framed transport

* tornado server and client (with tornado 4.0)

- Can directly load thrift file as module, the sdk code will be generated on
the fly.

For example, ```pingpong_thrift = thriftpy.load("pingpong.thrift", module_name="pingpong_thrift")```
will load 'pingpong.thrift' as 'pingpong_thrift' module.

Or, when import hook enabled by ```thriftpy.install_import_hook()```, you can
directly use ```import pingpong_thrift``` to import the 'pingpong.thrift' file
as module, you may also use ```from pingpong_thrift import PingService``` to
import specific object from the thrift module.

- Easy RPC server/client setup.

Contribute
==========

1. Fork the repo and make changes.

2. Write a test which shows a bug was fixed or the feature works as expected.

3. Make sure ```travis-ci``` or ```tox``` tests succeed.

4. Send pull request.

Contributors
============

https://github.com/eleme/thriftpy/graphs/contributors

Changelog
=========

https://github.com/eleme/thriftpy/blob/master/CHANGES.rst

Keywords: thrift python thriftpy
Platform: UNKNOWN
Classifier: Topic :: Software Development
Classifier: Development Status :: 4 - Beta
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: MIT License
Classifier: Programming Language :: Python :: 2.6
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3.3
Classifier: Programming Language :: Python :: 3.4
Classifier: Programming Language :: Python :: 3.5
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.

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1.2797 maglev-sidecar 1.7.35

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Requires-Dist: MarkupSafe (==1.0)
Requires-Dist: PyYAML (==3.12)
Requires-Dist: importlib-metadata (==2.0.0)
Requires-Dist: maglev-appserver (<=1.8.0)
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Requires-Dist: zipp (<=1.0.0)
# Sidecar for managed service
+ Requires: Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

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1.2798 shimmer 1.2.1

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1.2799 @babel/helper-define-map 7.1.0

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1.2800 libcap-ng 0.7.9-2

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- cpan/Locale-Maketext-Simple/t/po_with_i_default/fr.po
- cpan/Locale-Maketext-Simple/t/po_with_i_default/en.po
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dist/I18N-Collate/*
dist/ift/*
dist/Safe/*
ext/Fcntl/*
ext/FileCache/*
ext/GDBM_File/*
ext/IPC-Open2/*
ext/IPC-Open3/*
ext/NDBM_File/*
ext/ODBM_File/*
ext/Opcode/*
ext/PerlIO-encoding/*
ext/PerlIO-scalar/*
ext/PerlIO-via/*
ext/POSIX/*
ext/re/*
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1.2810 fast-deep-equal 1.0.0

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1.37~18.04.8+15+1552672080.a4a1fbe-0ubuntu2

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1.2812 javascript-common 11

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src/bdf/bdf.c
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#
src/pcf/module.mk
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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
#
src/tools/ftrandom/ftrandom.c
#
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* /opt/cola/permits/1111264491_1606893353.17/0/spring-boot-actuator-1-4-3-release-sources-jar/org/springframework/boot/actuate/metrics/rich/MultiMetricRichGaugeReader.java
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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DRuntime: Runtime Library for the D Programming Language

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Written By David Vinayak Henkel-Wallace, June 1992

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

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Developed by:

LLVM Team

University of Illinois at Urbana-Champaign

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<table>
<thead>
<tr>
<th>Program</th>
<th>Directory</th>
</tr>
</thead>
<tbody>
<tr>
<td>mach_override</td>
<td>lib/interception/mach_override</td>
</tr>
</tbody>
</table>

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1.2821 simple-swizzle 0.2.2

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

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

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attach them to the start of each source file to most effectively convey
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<one line to give the program's name and a brief idea of what it does.>
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Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
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under certain conditions; type `show c' for details.

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

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

That's all there is to it!
#!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) = $output =~ /copyright \d\d\d\d.*/
    or die "Copyright statement not found in perl -v output '$output'";

    $year;
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The End

1.2823 jackson-dataformat-yaml 2.8.11
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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
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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
slave/kpropd_rpc.c
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```

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1.2828 libunistring 0.9.9 0ubuntu2

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1.2830 jackson-databind 2.9.9

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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.salaranta@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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### 1.2831 inline-process-browser 1.0.0

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### 1.2832 docker-ce-cli 5:19.03.9~3-0~ubuntu-bionic

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Protocol Buffers for Go with Gadgets

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

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    "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

},
{
formatter.Context{Format: "{{nil}}"},
  '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)},
  'License Name: name1
  Quantity: 10 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

// Custom Format

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{}

testcase.context.Output = out
er := SubscriptionsWrite(testcase.context, subscriptions)
if e != nil {
assert.Error(t, e, testcase.expected)
} else {
assert.Check(t, is.Equal(testcase.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: &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
Quantity: 10 nodes
Expiration 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),
},

"ProductID": "productid2",
"ProductRatePlan": "",
"ProductRatePlanID": "",
"State": "",
"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"
    "github.com/docker/licensing/lib/go-clientlib"
    "github.com/docker/licensing/model"
)  

func (c *client) getLicenseFile(ctx context.Context, subID string) (*model.IssuedLicense, error) {  
    url := c.baseURI.URL  
    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.Wrapf(err, errors.Fields{
    "key_id": keyID,
    }, "malformed signature payload")
}

checkRes := new(model.CheckResponse)

err = json.Unmarshal(payload, &checkRes)
if err != nil {
    return nil, errors.Wrapf(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.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": token})
    }

    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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package model

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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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\}\t\{\.Owner\}\t\{\.ProductID\}\t\{\.Expires\}\t\{\.ComponentsString\}\n  "
  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
            }
        }
    }
    licenseCtx := licenseContext{}
    licenseCtx.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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1.2842 combined-stream 1.0.8

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David Megginson
david@megginson.com
2000-01-14

1.2849 libpcre 2:8.39-3

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This is Debian GNU/Linux's prepackaged version of the PCRE regular expression library and associated pgrep utility.

This package was put together by me, Mark Baker <mbaker@iee.org> from the original sources obtained from ftp.csx.cam.ac.uk:/pub/software/programming/pcre.

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1.2851 jackson-core 2.5.4

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1.2852 metric-vis kibana

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   zip/metric_vis/public/__tests__/metric_vis.js
   */opt/ws_local/PERMITS_SQL/1022263281_1596470222.47/0/metric-vis-
   zip/metric_vis/public/__tests__/metric_vis_controller.js
   */opt/ws_local/PERMITS_SQL/1022263281_1596470222.47/0/metric-vis-
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   zip/metric_vis/public/metric_vis_params.js
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   */opt/ws_local/PERMITS_SQL/1022263281_1596470222.47/0/metric-vis-
   zip/metric_vis/public/components/metric_vis_value.test.js
   */opt/ws_local/PERMITS_SQL/1022263281_1596470222.47/0/metric-vis-
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1.2853 source-map 0.1.31
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1.2854 avro-ipc 1.7.7

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1.2870 jna 4.2.2

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---
abstract: 'Convert Pod data to formatted Latex'
author:
  - 'Tim Jenness <tjenness@cpan.org>'
build_requires:
  Test::More: 0
configure_requires:
  Module::Build: 0.36
generated_by: 'Module::Build version 0.3603'
license: perl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Pod-LaTeX
provides:
  Pod::LaTeX:
    file: lib/Pod/LaTeX.pm
    version: 0.61
requires:
  Pod::Find: 0
  Pod::ParseUtils: 0.3
  Pod::Parser: 0
  Pod::Select: 0
  if: 0

resources:
  homepage: http://github.com/timj/perl-Pod-LaTeX/tree/master
  license: http://dev.perl.org/licenses/
  repository: git://github.com/timj/perl-Pod-LaTeX.git
  version: 0.61

Found in path(s):
  * /opt/cola/permits/1136857419_1613950642.66/0/libpod-latex-perl-0-61-orig-1-tar-gz/Pod-LaTeX-0.61/META.yml
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=back

=end __PRIVATE__

=head1 NOTES

Compatible with C<latex2e> only. Can not be used with C<latex> v2.09 or earlier.

A subclass of C<Pod::Select> so that specific pod sections can be converted to C<latex> by using the C<select> method.

Some HTML escapes are missing and many have not been tested.

=head1 SEE ALSO

L<Pod::Parser>, L<Pod::Select>, L<pod2latex>, L<Pod::Simple>.

=head1 AUTHORS

Tim Jenness E<lt>tjenness@cpan.orgE<gt>

Bug fixes and improvements have been received from: Simon Cozens E<lt>simon@cozens.netE<gt>, Mark A. Hershberger E<lt>mah@everybody.orgE<gt>, Marcel Grunauer E<lt>marcel@codewerk.comE<gt>, Hugh S Myers E<lt>hmsyers@sdragons.comE<gt>, Peter J Acklam E<lt>jacklam@math.uio.noE<gt>, Sudhi Herle E<lt>sudhi@herle.netE<gt>, Ariel Scolnicov E<lt>ariels@compugen.co.ilE<gt>, Adriano Rodrigues Ferreira E<lt>ferreira@triang.com.brE<gt>, R. de Vries E<lt>r.de.vries@dutchspace.nlE<gt> and
Dave Mitchell \\

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=head1 REVISION

$Id$

=end __PRIVATE__

=cut

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* /opt/cola/permits/1136857419_1613950642.66/0/libpod-latex-perl-0-61-orig-1-tar-gz/Pod-LaTeX-0.61/lib/Pod/LaTeX.pm
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=head1 NAME

pod2latex - convert pod documentation to latex format

=head1 SYNOPSIS

pod2latex *.pm

pod2latex -out mytex.tex *.pod

pod2latex -full -sections 'DESCRIPTION|NAME' SomeDir

pod2latex -prefile h.tex -postfile t.tex my.pod

=head1 DESCRIPTION

C<pod2latex> is a program to convert POD format documentation (L<perlpod>) into latex. It can process multiple input documents at a time and either generate a latex file per input document or a single combined output file.

=head1 OPTIONS AND ARGUMENTS
This section describes the supported command line options. Minimum matching is supported.

=item B<-out>

Name of the output file to be used. If there are multiple input pods it is assumed that the intention is to write all translated output into a single file. C<.tex> is appended if not present. If the argument is not supplied, a single document will be created for each input file.

=item B<-full>

Creates a complete C<latex> file that can be processed immediately (unless C<for/=begin> directives are used that rely on extra packages). Table of contents and index generation commands are included in the wrapper C<latex> code.

=item B<-sections>

Specify pod sections to include (or remove if negated) in the translation. See L<Pod::Select/"SECTION SPECIFICATIONS"> for the format to use for I<section-spec>. This option may be given multiple times on the command line. This is identical to the similar option in the C<podselect()> command.

=item B<-modify>

This option causes the output C<latex> to be slightly modified from the input pod such that when a C<==head1 NAME> is encountered a section is created containing the actual pod name (rather than B<NAME>) and all subsequent C<==head1> directives are treated as subsections. This has the advantage that the description of a module will be in its own section which is helpful for including module descriptions in documentation. Also forces C<latex> label and index entries to be prefixed by the name of the module.

=item B<-h1level>

Specifies the C<latex> section that is equivalent to a C<H1> pod directive. This is an integer between 0 and 5 with 0 equivalent to a C<latex> chapter, 1 equivalent to a C<latex> section etc. The default is 1 (C<H1> equivalent to a latex section).
Print a brief help message and exit.

=item B<-man>

Print the manual page and exit.

=item B<-verbose>

Print information messages as each document is processed.

=item B<-preamble>

A user-supplied preamble for the LaTeX code. Multiple values are supported and appended in order separated by "\n". See B<-prefile> for reading the preamble from a file.

=item B<-postamble>

A user supplied postamble for the LaTeX code. Multiple values are supported and appended in order separated by "\n". See B<-postfile> for reading the postamble from a file.

=item B<-prefile>

A user-supplied preamble for the LaTeX code to be read from the named file. Multiple values are supported and appended in order. See B<-preamble>.

=item B<-postfile>

A user-supplied postamble for the LaTeX code to be read from the named file. Multiple values are supported and appended in order. See B<-postamble>.

=back

=head1 BUGS

Known bugs are:

=over 4

=item *

Cross references between documents are not resolved when multiple pod documents are converted into a single output C<latex> file.
Functions and variables are not automatically recognized and they will therefore not be marked up in any special way unless instructed by an explicit pod command.

SEE ALSO

L<Pod::LaTeX>

AUTHOR

Tim Jenness E<lt>tjenness@cpan.orgE<gt>

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INSTALLATION

% perl Build.PL
% ./Build

Pod::LaTeX - convert Pod to latex using Pod::Parser

This is version 0.60 of Pod::LaTeX. This module can be used to convert pod data to latex. It uses the standard Pod::Parser module. A pod2latex replacement command is provided. This can be installed over the pod2latex command distributed with perl.

Please let me know of any problems.
% ./Build test
% ./Build install

Currently the tests are not very good (only a simple test is provided).

REQUIREMENTS

Requires perl 5.005 or newer.

Written completely in Perl. XS is not required.

Requires the PodParser package from CPAN. This is standard with perl 5.6.0. This module is part of the standard perl distribution and has been since perl 5.6.1.

AUTHOR

Tim Jenness <tjenness@cpan.org>

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CHANGES

V0.61
- Update site vs perl install for perl v5.12 and above
- Issue a depreciation warning if the module is being used in perl 5.17.0 and above.
  This module will be removed from perl Core for perl 5.20. (Ricardo Signes)
  It will still be available on CPAN.

V0.60
- Patch for "--" from Dima Kogan (RT #72518)

V0.59
- Use Module::Build
- Fix trivial pod typo (RT #46887)

V0.58
- Fix problem with [] in items (R. de Vries)

V0.57
- Missing README file for V0.56 now added. No changes to code.

V0.56
- Add -prefile/-postfile and -preamble/-postamble options to pod2latex
and fix double printing of user postamble.
(thanks to Adriano Rodrigues Ferreira)
- UserPostamble and UserPreamble were erroneously being written even when AddPostamble and AddPreamble were false.

V0.55
- Fix enumerated lists so that they do not double up the number (Aerial Scolnicov and Sudhi Herle)
- Strip "," and "\)" from numbers when looking for enumerated lists (Sudhi Herle)
- Module now returns a true value (add 1; at end) (Dan Kogai)
- Many new Pod escapes supported (Peter J Acklam)
- The module now installs into the PERL dirs and not the site install if the perl version is greater than 5.6.0 (since this module is part of core perl as of v5.6.1).
- The pod2latex script is now configured as a true pod2latex.PL application (imported changes from bleadperl)
- Should now pass tests with Pod::ParseUtils v0.30 installed (thanks to Mark Veltzer for pointing out the problem)

V0.54
- Fix misunderstanding with =for
- Add fixes for < and > (and also \)
- Fix tabbing (thanks to Hugh S Myers)
- Fix strange indenting with long items (Hugh S Myers)
- add a real test
- Fix L<> since the fix to escape \ had broken it
- add -h1level to pod2latex

V0.53
- Handle long items (Mark A Hershberge)
- Escape ~ (Simon Cozens)
- Add verbar and sol support as well as \ escape (Marcel Grunauer)

V0.52
- minor fix to pod2latex to preserve order of supplied arguments

V0.51
- Fix some of the warning messages so that they report the line number in the pod file correctly for errors.
- Fix escaping of ^, { and }

V0.50
- First public release

KNOWN BUGS
- Does not automatically convert `func()` to `B<func()>` and `$a` to `C<$a>`

- Probably does not match the new `perlpodspec`

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* /opt/cola/permits/1136857419_1613950642.66/0/libpod-latex-perl-0-61-orig-1-tar-gz/Pod-LaTeX-0.61/README

1.2872 repeating 2.0.1

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Julian Seward, jsward@bzip.org
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1.2884 gdbm 2.0.0

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1.2885 annotations 1.3.2

1.2886 mapper-extras 7.0.1

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1.2887 babel-helper-optimise-call-expression

6.24.1

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1.2890 slf4j-jul-to-slf4j 1.7.12

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 * <p>
 * The authorizer attempts to perform matching (including the use of the wildcard) in accordance with RFC 6125.
 * </p>
 * <p>
 * Known suffixes is a list of public domain suffixes that can't be used as wild cards for
 * example *.com, or c*c.com, as a dns wildcard could match every/most .com domains if a registrar were issue it.
 * If *.com is in the known suffixes list will not be allowed to match.
 * </p>
 * @param knownSuffixes a set of suffixes that cannot be wild-carded, e.g. { ".,com", ",.net", ",.org" }
 */
```

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*/opt/cola/permits/1152084220_1618069402.1/0/bcpkix-fips-1-0-5-sources-jar/org/bouncycastle/est/jcajce/JsseDefaultHostnameAuthorizer.java

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 */
/**
***
* [@link FactoryBean] that obtains a WebSphere [@link javax.management.MBeanServer]
* reference through WebSphere's proprietary [@code AdminServiceFactory] API,
* available on WebSphere 5.1 and higher.
*<p>Exposes the [@code MBeanServer] for bean references.
* This FactoryBean is a direct alternative to [@link MBeanServerFactoryBean],
* which uses standard JMX 1.2 API to access the platform's MBeanServer.
*<p>See the javadocs for WebSphere's
*
* @author Juergen Hoeller
* @author Rob Harrop
* @since 2.0.3
* @see javax.management.MBeanServer
* @see MBeanServerFactoryBean
*/

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*/
/**
* Abstract the invocation of a cache operation.
* 
* <p>Does not provide a way to transmit checked exceptions but
* provide a special exception that should be used to wrap any
* exception that was thrown by the underlying invocation.
* Callers are expected to handle this issue type specifically.
jar/org/springframework/jmx/export/naming/IdentityNamingStrategy.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-
jar/org/springframework/cache/interceptor/CacheOperationSource.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-
jar/org/springframework/cache/interceptor/BeanFactoryCacheOperationSourceAdvisor.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-
jar/org/springframework/framework/scripting/ScriptSource.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-
jar/org/springframework/instrument/classloading/LoadTimeWeaver.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-
jar/org/springframework/context/ResourceLoaderAware.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-
jar/org/springframework/jmx/JmxException.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-
jar/org/springframework/context/config/MBeanExportBeanDefinitionParser.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-
jar/org/springframework/jmx/export/metadata/InvalidMetadataException.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-
jar/org/springframework/context/event/ApplicationContextEvent.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-
jar/org/springframework/jmx/access/NotificationListenerRegistrar.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-
jar/org/springframework/instrument/classloading/websphere/WebSphereClassPreDefinePlugin.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-
jar/org/springframework/format/Formatter.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-
jar/org/springframework/context/support/AbstractXmlApplicationContext.java

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jar/org/springframework/scheduling/concurrent/ScheduledExecutorTask.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-
jar/org/springframework/scheduling/concurrent/DefaultManagedTaskScheduler.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-
jar/org/springframework/instrument/classloading/jboss/JBossModulesAdapter.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-
jar/org/springframework/context/annotation/DeferredImportSelector.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-
jar/org/springframework/context/support/StaticApplicationContext.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-
jar/org/springframework/context/annotation/FilterType.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-
jar/org/springframework/ejb/interceptor/SpringBeanAutowiringInterceptor.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-
jar/org/springframework/context/support/AbstractRefreshableApplicationContext.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-

jar/org/springframework/remoting/rmi/JndiRmiClientInterceptor.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-
jar/org/springframework/scheduling/config/CronTask.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-
jar/org/springframework/scheduling/config/ScheduledTasksBeanDefinitionParser.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-
jar/org/springframework/context/i18n/LocaleContext.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-
jar/org/springframework/scheduling/support/MethodInvokingRunnable.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-
jar/org/springframework/context/i18n/SimpleTimeZoneAwareLocaleContext.java
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jar/org/springframework/context/i18n/TimeZoneAwareLocaleContext.java
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jar/org/springframework/context/annotation/Description.java
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jar/org/springframework/context/annotation/ScopedProxyMode.java
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jar/org/springframework/format/datetime/joda/ReadableInstantPrinter.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-
jar/org/springframework/context/support/GenericXmlApplicationContext.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-
jar/org/springframework/context/support/PermissionEvaluator.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-
jar/org/springframework/context/annotation/ConfigurationMethod.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-
jar/org/springframework/ui/ModelMap.java
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jar/org/springframework/context/support/GenericXmlApplicationContext.java
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jar/org/springframework/jmx/export/assembler/MetaDataMBeanInfoAssembler.java
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* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4.3.5-release-sources.jar/org/springframework/context/annotation/Profile.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4.3.5-release-sources.jar/org/springframework/scripting/support/StandardScriptEvalException.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4.3.5-release-sources.jar/org/springframework/context/event/EventExpressionRootObject.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4.3.5-release-sources.jar/org/springframework/context/annotation/AdviceModeImportSelector.java
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* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-jar/org/springframework/context/annotation/Scope.java
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* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-jar/org/springframework/scripting/ScriptCompilationException.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-jar/org/springframework/scripting/ScriptEvaluator.java
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*/
/**
* Indicates that a component is only eligible for registration when all
* {@linkplain #value specified conditions} match.
*
* <p>A <em>condition</em> is any state that can be determined programatically
* before the bean definition is due to be registered (see { @link Condition} for details).
* 
* <p>The {@link @Conditional} annotation may be used in any of the following ways:
* <ul>
* <li>as a type-level annotation on any class directly or indirectly annotated with
* #{@code @Component}, including { @link Configuration @Configuration} classes</li>
* </ul>
* <li>as a meta-annotation, for the purpose of composing custom stereotype
* annotations</li>
* <li>as a method-level annotation on any {@link Bean @Bean} method</li>
* </ul>
*
* <p>If a {@code @Configuration} class is marked with {@code @Conditional},
* all of the {@code @Bean} methods, {@link Import @Import} annotations, and
* {@link ComponentScan @ComponentScan} annotations associated with that
* class will be subject to the conditions.
*
* <p><strong>NOTE</strong>: Inheritance of {@code @Conditional} annotations
* is not supported; any conditions from superclasses or from overridden
* methods will not be considered. In order to enforce these semantics,
* [@code @Conditional] itself is not declared as
* [@link java.lang.annotation.Inherited @Inherited]; furthermore, any
* custom <em>composed annotation</em> that is meta-annotated with
* [@code @Conditional] must not be declared as [@code @Inherited].
*
* @author Phillip Webb
* @author Sam Brannen
* @since 4.0
* @see Condition
*/

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* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-jar/org/springframework/stereotype/Component.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-jar/org/springframework/remoting/support/RemoteInvocationBasedExporter.java
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* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-jar/org/springframework/remoting/support/RemoteInvocationFactory.java
* /opt/cola/permits/1111265531_1606892044.57/0/spring-context-4-3-5-release-sources-jar/org/springframework/jndi/IndiAccessor.java
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1.2914 multidict 4.7.6

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1.2915 hprof2flamegraph 0.0.6

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This is the README file for Package::Constants, a module that lets you
list all constants defined in a package.

Please refer to 'perldoc Package::Constants' after installation for
details.

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

* Description

Package::Constants

Package::Constants lists all the constants defined in a certain
package. This can be useful for, among others, setting up an
autogenerated @EXPORT/@EXPORT_OK for a Constants.pm file.

#########################################################

* Installation

Package::Constants follows the standard perl module install process

perl Makefile.PL
make
make test
make install

The module uses no C or XS parts, so no c-compiler is required.

#########################################################

AUTHOR

This module by Jos Boumans <kane@cpan.org>.

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* /opt/cola/permits/1136857515_1613950613.36/0/libpackage-constants-perl-0-04-orig-1-tar-gz/Package-Constants-0.04/README

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abstract: 'List constants defined in a package'
author:
  - 'Jos Boumans <kane[at]cpan.org>'
build_requires:
  ExtUtils::MakeMaker: 0
configure_requires:
  ExtUtils::MakeMaker: 0
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 6.8, CPAN::Meta::Converter version 2.132830'
license: perl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Package-Constants
no_index:
directory:
  - t
  - inc
requires:
  Test::More: 0
resources:
  repository: git://github.com/jib/package-constants.git
  version: 0.04

Found in path(s):
* /opt/cola/permits/1136857515_1613950613.36/0/libpackage-constants-perl-0-04-orig-1-tar-gz/Package-Constants-0.04/META.yml
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=cut

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* /opt/cola/permits/1136857515_1613950613.36/0/libpackage-constants-perl-0-04-orig-1-tar-gz/Package-Constants-0.04/lib/Package/Constants.pm

1.2917 python-pam 0.4.2-13.2ubuntu4
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1.2921 jul-to-slf4j 1.7.5

1.2922 minimist 0.0.10

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1.2925 test 1.0

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Metadata-Version: 1.3
Name: test
Version: 1.0
Summary: Test module
Home-page: http://test.example.com/
Author: Paul Moore
Author-email: test@example.com
License: MIT License
Download-URL: http://example.com/test
Description: UNKNOWN
Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
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Classifier: Programming Language :: Python :: 3

Found in path(s):
* /opt/cola/permits/1016057324_1610429998.88/0/test-1-0-dist-info-zip/inputdir/packages_extracted/wheel/128/test-1.0.dist-info/METADATA

1.2926 @babel/plugin-transform-parameters

7.2.0

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1.2927 d3-contour 1.1.2

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1.2929 cas-server-support-generic 3.5.2.1

1.2930 h2o2 8.1.2

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1.2931 netcat-openbsd 1.105-7ubuntu1

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1.2932 dpkg 1.18.4ubuntu1.2

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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 (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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  * complex.rb (1.8)
  * e2mmap.rb
  * forwardable.rb
  * irb
  * mathn
  * matrix.rb
  * mutex_m.rb
  * rational.rb (1.8)
  * sync.rb
  * shell/*
  * thwait.rb
  * tracer.rb

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  * generator (1.8)
  * enumerator (1.8)
  * set
  * ipaddr.rb
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  * logger.rb
  * soap/* (1.8)
  * wsdl/* (1.8)
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include/ruby/oniguruma.h:
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regenc.c::
regenc.h::
regerror.c::
regexec.c::
regint.h::
regparse.c::
regparse.h::
enc/ascii.c::
enc/big5.c::
enc/cp949.c::
enc/emacs_mule.c::
enc/encdb.c::
enc/euc_jp.c::
enc/euc_kr.c::
enc/euc_tw.c::
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cenc/trans/JIS/JISX0201-KANA%UCS.src::
cenc/trans/JIS/JISX0208.@1990%UCS.src::
cenc/trans/JIS/JISX0212%UCS.src::
cenc/trans/JIS/JISX0201-KANA.src::
cenc/trans/JIS/UCS%JISX0208@1990.src::
cenc/trans/JIS/UCS%JISX0212.src::

cenc/trans/JIS/JISX0201-KANA%UCS.src::
cenc/trans/JIS/JISX0208.@1990%UCS.src::
cenc/trans/JIS/JISX0212%UCS.src::
cenc/trans/JIS/JISX0201-KANA.src::
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Coded by Takuji Nishimura and Makoto Matsumoto.  
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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/aloca.c::
missing/dup2.c::
missing/erf.c::
missing/finite.c::
missing/hypot.c::
missing/isinf.c::
missing/isnan.c::
missing/lgamma_r.c::
missing/memcmp.c::
missing/memmove.c::
missing/strchr.c::
missing/strerror.c::
missing/strstr.c::
missing/tgamma.c::
ext/date/date_strftime.c::
ext/digest/sha1/sha1.c::
ext/digest/sha1/sha1.h::
ext/sdbm/_sdbm.c::
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1.2939 parse-json 2.2.0

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1.2940 read-package-json 2.0.4

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1.2941 python-dev 2.7.12 1~16.04

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

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dh_python2, pycompile, pyclean and debpython module:

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1.2942 python 2.7.16-1

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1.2944 is-bigint 1.0.2

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# Fiber::Local

A module to simplify fiber-local state.


## Features

- Easily access fiber-local state from a fiber.
- Default to shared thread-local state.

## Installation

```bash
$ bundle add fiber-local
```

## Usage

In your own class, e.g. `Logger`:

```ruby
class Logger
  extend Fiber::Local

  def initialize
    @buffer = []
  end

  def log(*arguments)
    @buffer << arguments
  end
end
```

1.2946 fiber-local 1.0.0

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# Fiber::Local

A module to simplify fiber-local state.


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class Logger
  extend Fiber::Local

  def initialize
    @buffer = []
  end

  def log(*arguments)
    @buffer << arguments
  end
end
```
Now, instead of instantiating your cache `LOGGER = Logger.new`, use `Logger.instance`. It will return a thread-local instance.

```ruby
Thread.new do
  Logger.instance
# => #<Logger:0x000055a14ec6be80>
end

Thread.new do
  Logger.instance
# => #<Logger:0x000055a14ec597d0>
end
``` 

In cases where you have job per fiber or request per fiber, you might want to collect all log output for a specific fiber, you can do the following:

```ruby
Logger.instance
# => #<Logger:0x000055a14ec6be80>

Fiber.new do
  Logger.instance = Logger.new
# => #<Logger:0x000055a14ec597d0>
end
``` 

## Contributing

We welcome contributions to this project.

1. Fork it.
2. Create your feature branch (`git checkout -b my-new-feature`).
3. Commit your changes (`git commit -am 'Add some feature'`).
4. Push to the branch (`git push origin my-new-feature`).
5. Create new Pull Request.

## See Also

- [thread-local](https://github.com/socketry/thread-local) Strictly thread-local variables.

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This package was put together by me, Mark Baker <mbaker@iee.org> from the original sources obtained from ftp.csx.cam.ac.uk:/pub/software/programming/pcre.

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Written by: Philip Hazel
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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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* 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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org.ow2.asm:asm-commons
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org.apache.taglibs:taglibs-standard-spec
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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
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org.apache.tomcat:tomcat-el-api
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org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
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org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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org.eclipse.jetty.toolchain:jetty-schemas

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1.2960 python-requests 2.23.0

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# Jackson JSON processor

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* Tatu Saloranta
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* Alec Wysoker
  * Performance and memory usage improvement

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Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.soloranta@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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* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-
  jar/org/weakref/jmx/internal/paranamer/JavadocParanamer.java
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* method in OpenJDK 7's java.util.HashMap class.
*/

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  jar/org/weakref/jmx/internal/guava/util/concurrent/Striped.java
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  jar/org/weakref/jmx/internal/guava/base/CaseFormat.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-
  jar/org/weakref/jmx/internal/guava/io/AppendableWriter.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-
  jar/org/weakref/jmx/internal/guava/util/concurrent/UncheckedTimeoutException.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-
  jar/org/weakref/jmx/internal/guava/annotations/VisibleForTesting.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-
  jar/org/weakref/jmx/internal/guava/util/concurrent/FakeTimeLimiter.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-
  jar/org/weakref/jmx/internal/guava/util/concurrent/TimeLimiter.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-
  jar/org/weakref/jmx/internal/guava/reflect/TypeToken.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-
  jar/org/weakref/jmx/internal/guava/escape/CharEscaperBuilder.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-
  jar/org/weakref/jmx/internal/guava/util/concurrent/SimpleTimeLimiter.java
*/
jar/org/weakref/jmx/internal/guava/io/PatternFilenameFilter.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-jar/org/weakref/jmx/internal/guava/util/concurrent/Futures.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-jar/org/weakref/jmx/internal/guava/escape/CharEscaper.java
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* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-jar/org/weakref/jmx/ReflectionMBeanAttribute.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-jar/org/weakref/jmx/Signature.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-jar/org/weakref/jmx/MBean.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-jar/org/weakref/jmx/MBeanOperation.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-jar/org/weakref/jmx/ReflectionUtils.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-jar/org/weakref/jmx/ReflectionMBeanOperation.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-jar/org/weakref/jmx/NestedMBeanOperation.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-jar/org/weakref/jmx/NestedMBeanAttribute.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-jar/org/weakref/jmx/AnnotationUtils.java
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* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-jar/org/weakref/jmx/internal/guava/cache/Striped64.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-jar/org/weakref/jmx/internal/guava/cache/LongAdder.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-jar/org/weakref/jmx/internal/guava/util/concurrent/AtomicDoubleArray.java
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* /opt/cola/permits/1120584013_1615570511.8/0/jmuxutils-1-18-sources-jar/org/weakref/jmx/internal/guava/collect/AbstractTable.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmuxutils-1-18-sources-jar/org/weakref/jmx/internal/guava/collect/FilteredMultimapValues.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmuxutils-1-18-sources-jar/org/weakref/jmx/internal/guava/hash/HashingInputStream.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmuxutils-1-18-sources-jar/org/weakref/jmx/internal/guava/hash/HashingInputStream.java
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* /opt/cola/permits/1120584013_1615570511.8/jmxutil-sources.jar/org/weakref/jmx/internal/guava/collect/MapMakerInternalMap.java
* /opt/cola/permits/1120584013_1615570511.8/jmxutil-sources.jar/org/weakref/jmx/internal/guava/collect/SparseImmutableTable.java
* /opt/cola/permits/1120584013_1615570511.8/jmxutil-sources.jar/org/weakref/jmx/internal/guava/collect/Cut.java
* /opt/cola/permits/1120584013_1615570511.8/jmxutil-sources.jar/org/weakref/jmx/internal/guava/collect/RegularImmutableTable.java
* /opt/cola/permits/1120584013_1615570511.8/jmxutil-sources.jar/org/weakref/jmx/internal/guava/collect/DenseImmutableTable.java

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* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources.jar/org/weakref/jmx/internal/guava/collection/AbstractIndexedListIterator.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources.jar/org/weakref/jmx/internal/guava/util/concurrent/SettableFuture.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources.jar/org/weakref/jmx/internal/guava/collection/ArrayTable.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources.jar/org/weakref/jmx/internal/guava/util/concurrent/AbstractIdleService.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources.jar/org/weakref/jmx/internal/guava/html/HtmlEscapers.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources.jar/org/weakref/jmx/internal/guava/io/LineProcessor.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources.jar/org/weakref/jmx/internal/guava/collection/ComparisonChain.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources.jar/org/weakref/jmx/internal/guava/collection/ImmutableSortedList.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources.jar/org/weakref/jmx/internal/guava/collection/SingletonImmutableTable.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources.jar/org/weakref/jmx/internal/guava/collection/RegularImmutableSortedSet.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources.jar/org/weakref/jmx/internal/guava/util/concurrent/AbstractService.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources.jar/org/weakref/jmx/internal/guava/annotations/GwtCompatible.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources.jar/org/weakref/jmx/internal/guava/xml/XmlEscapers.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources.jar/org/weakref/jmx/internal/guava/io/ByteProcessor.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources.jar/org/weakref/jmx/internal/guava/util/concurrent/AbstractExecutionThreadService.java
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* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources.jar/org/weakref/jmx/internal/guava/escape/Escapers.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources.jar/org/weakref/jmx/internal/guava/primitives/SignedBytes.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources.jar/org/weakref/jmx/internal/guava/util/concurrent/ForwardingListenableFuture.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-jar/org/weakref/jmx/internal/guava/io/ByteArrayDataInput.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-jar/org/weakref/jmx/internal/guava/collect/ForwardingTable.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-jar/org/weakref/jmx/internal/guava/util/concurrent/Service.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-jar/org/weakref/jmx/internal/guava/util/concurrent/Callables.java

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jar/org/weakref/jmx/internal/guava/hash/AbstractStreamingHashFunction.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-
jar/org/weakref/jmx/internal/guava/collection/RegularContiguousSet.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-
jar/org/weakref/jmx/internal/guava/hash/HashCode.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-
jar/org/weakref/jmx/internal/guava/hash/HashFunction.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-
jar/org/weakref/jmx/internal/guava/hash/Murmur3_32HashFunction.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-
jar/org/weakref/jmx/internal/guava/collection/Queues.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-
jar/org/weakref/jmx/internal/guava/hash/BloomFilter.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-
jar/org/weakref/jmx/internal/guava/collection/AbstractSortedMultiset.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-
jar/org/weakref/jmx/internal/guava/collection/EmptyImmutableSortedMultiset.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-
jar/org/weakref/jmx/internal/guava/hash/Funnels.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-
jar/org/weakref/jmx/internal/guava/hash/PrimitiveSink.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-
jar/org/weakref/jmx/internal/guava/collection/BoundType.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-
jar/org/weakref/jmx/internal/guava/hash/MessageDigestHashFunction.java
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jar/org/weakref/jmx/internal/guava/collection/TreeRangeSet.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-
jar/org/weakref/jmx/internal/guava/collection/DescendingImmutableSortedMultiset.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-
jar/org/weakref/jmx/internal/guava/hash/BloomFilterStrategies.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-
jar/org/weakref/jmx/internal/guava/hash/Hasher.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-
jar/org/weakref/jmx/internal/guava/hash/Hashing.java

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* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources.jar/org/weakref/jmx/internal/guava/util/concurrent/WrappingScheduledExecutorService.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources.jar/org/weakref/jmx/internal/guava/reflect/TypeVisitor.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources.jar/org/weakref/jmx/internal/guava/collection/ImmutableMapEntry.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources.jar/org/weakref/jmx/internal/guava/collection/MultimapBuilder.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources.jar/org/weakref/jmx/internal/guava/util/concurrent/Runnables.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources.jar/org/weakref/jmx/internal/guava/publicsuffix/PublicSuffixType.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources.jar/org/weakref/jmx/internal/guava/io/CharSequenceReader.java

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* /opt/cola/permits/1120584013_1615570511.8/0/jmuxutilis-1-18-sources-jar/org/weakref/jmx/internal/guava/collect/Iterators.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmuxutilis-1-18-sources-jar/org/weakref/jmx/internal/guava/collect/AbstractListMultimap.java
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* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-jar/org/weakref/jmx/internal/guava/net/HttpHeaders.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-jar/org/weakref/jmx/internal/guava/math/IntMath.java
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* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-jar/org/weakref/jmx/internal/guava/reflect/Types.java
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* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-jar/org/weakref/jmx/internal/guava/util/concurrent/AtomicLongMap.java
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jar/org/weakref/jmx/internal/guava/base/PairwiseEquivalence.java
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jar/org/weakref/jmx/internal/guava/cache/RemovalListeners.java
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jar/org/weakref/jmx/internal/guava/math/LongMath.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-
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jar/org/weakref/jmx/internal/guava/collection/WellBehavedMap.java
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jar/org/weakref/jmx/internal/guava/cache/LoadingCache.java
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jar/org/weakref/jmx/internal/guava/cache/RemovalCause.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-
jar/org/weakref/jmx/internal/guava/util/concurrent/ForwardingCheckedFuture.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-
jar/org/weakref/jmx/internal/guava/cache/package-info.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-
jar/org/weakref/jmx/internal/guava/base/Optional.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-
jar/org/weakref/jmx/internal/guava/hash/AbstractCompositeHashFunction.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-
jar/org/weakref/jmx/internal/guava/math/BigIntegerMath.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-
jar/org/weakref/jmx/internal/guava/hash/AbstractNonStreamingHashFunction.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-
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* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-
jar/org/weakref/jmx/internal/guava/cache/CacheStats.java
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jar/org/weakref/jmx/internal/guava/cache/ForwardingLoadingCache.java
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jar/org/weakref/jmx/guice/MBeanModule.java
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jar/org/weakref/jmx/internal/guava/primitives/UnsignedLong.java
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jar/org/weakref/jmx/internal/guava/collect/SortedIterable.java
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jar/org/weakref/jmx/internal/guava/collect/Count.java
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jar/org/weakref/jmx/internal/guava/collect/ImmutableSortedMultisetFauxverideShim.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-
jar/org/weakref/jmx/internal/guava/collect/RegularImmutableSortedMultiset.java
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* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-jar/org/weakref/jmx/internal/guava/collect/ForwardingImmutableSet.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-jar/org/weakref/jmx/internal/guava/collect/ForwardingNavigableMap.java
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* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-jar/org/weakref/jmx/internal/guava/collect/ContiguousSet.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-jar/org/weakref/jmx/internal/guava/collect/ComputingConcurrentHashMap.java
* /opt/cola/permits/1120584013_1615570511.8/0/jmxutils-1-18-sources-jar/org/weakref/jmx/internal/guava/collect/SortedLists.java

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*/opt/cola/permits/1175933753_1626331062.67/0/jopt-simple-3-2-jar/META-INF/maven/net.sf.jopt-simple/jopt-simple/pom.xml

1.2973 d-bus 1.10.32-0+deb9u1

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1.2976 jmxri 1.2.1
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 * @(#)file    SimpleMBean.java
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  bin/examples/MonitorMBean/SimpleMBean.java
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# @(#)file    RELEASE_NOTES.txt
# @(#)author  Sun Microsystems, Inc.
# @(#)version 1.17
# @(#)lapsed 03/08/22
#
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#

---------------------------------------------------------------------------
Java(TM) Management Extensions (JMX(TM)) 1.2.1 Release Notes
---------------------------------------------------------------------------
These Release Notes contain important product notes and list known restrictions in Java Management Extensions (JMX) 1.2.1. Details of workarounds to known bugs are given where possible. In cases where there are differences between these Release Notes and the JMX documentation, the information in these Release Notes supersedes that in the documentation.

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~~~~~~~~

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   I. Description
   II. Operating Environment
   III. Product Restrictions

2) JMX 1.2 Release Information
   I. JMX Tracing
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   III. Product Restrictions

1) JMX 1.2.1 Release Information
==================================

I. Description
~~~~~~~~~~~~~~~

Version 1.2.1 of the JMX Reference Implementation is an update of version 1.2, which provides some important bug fixes. It also implements the Errata for the 1.2 Maintenance Release of the Specification, which were published in July 2003.

The changes between versions 1.2 and 1.2.1 of the JMX Reference Implementation, as defined by the Errata, are as follows:

- Class loader repository can now contain additional class loaders
- Illegal identifiers no longer produce exceptions
- Notification source rewriting has been clarified
- Inconsistency between the specification document, the API documentation, and the RI regarding currencyTimeLimit has been limited
- Severity values for ModelMBeanNotificationInfo have been clarified
- Optional Model MBean fields have been clarified
- API documentation for getDomains() method of MBeanServer interface corrected
- Excessive type constraints have been removed from the relation service documentation

For more information about these changes, see the document "Errata for JMX Specification, version 1.2" (2003/07/02), which is downloadable from http://jcp.org/aboutJava/communityprocess/final/jsr003/index3.html

Note that the JMX API Javadoc bundled with this Reference Implementation reflects the Errata, and hence differs slightly from the Javadoc in the JMX 1.2 Specification.

II. Operating Environment
~~~~~~~~~~~~~~~~~~~~~~

The binary package was built using J2SE 1.4.2 (build 1.4.2-b28).

Testing was performed on the following platforms:

- Solaris 9 operating environment, SPARC processor, with J2SE 1.3.1 and J2SE 1.4.2.
- Redhat Linux 9, with J2SE 1.4.2.

III. Product Restrictions
~~~~~~~~~~~~~~~~~~~~~~~~

The following is a list of known restrictions in this release.

1) BugID 4909536

The MBean server's introspection code, which analyses Standard MBean interfaces to convert them into attributes and operations, will keep a reference to the last class introspected even after the introspection is completed. Therefore, the class and its class loader cannot be garbage collected.

2) JMX 1.2 Release Information

The following information is directly extracted from the release notes that accompanied version 1.2 of the JMX Reference
I. JMX Tracing

Traces in the JMX implementation are based on the J2SE logging capability (provided by classes in the java.util.logging package). The JMX implementation uses a set of Loggers for sending traces. All Loggers are contained in the javax.management namespace, which corresponds to the name of the root package hosting all public JMX interfaces.

The list below shows the Logger objects used in this implementation and their corresponding category of activity.

<table>
<thead>
<tr>
<th>Logger Name</th>
<th>Information Logged</th>
</tr>
</thead>
<tbody>
<tr>
<td>javax.management.mbeanserver</td>
<td>Information about the MBean Server</td>
</tr>
<tr>
<td>javax.management.mlet</td>
<td>Information from an MLet service</td>
</tr>
<tr>
<td>javax.management.monitor</td>
<td>Information from a monitor</td>
</tr>
<tr>
<td>javax.management.timer</td>
<td>Information from a timer</td>
</tr>
<tr>
<td>javax.management.notification</td>
<td>Information from the notification</td>
</tr>
<tr>
<td></td>
<td>mechanism</td>
</tr>
<tr>
<td>javax.management.relation</td>
<td>Information from the Relation Service</td>
</tr>
<tr>
<td>javax.management.modelmbean</td>
<td>Information from the Model MBean</td>
</tr>
<tr>
<td></td>
<td>components</td>
</tr>
<tr>
<td>javax.management.misc</td>
<td>Information sent from any other class</td>
</tr>
</tbody>
</table>

The following log levels are used in JMX:

<table>
<thead>
<tr>
<th>JMX log level</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level.FINEST</td>
<td>Used to print debugging traces (useful for diagnosing the JMX implementation)</td>
</tr>
<tr>
<td>Level.FINER</td>
<td>Used to print information traces</td>
</tr>
<tr>
<td>Level.SEVERE</td>
<td>Used to notify of error conditions</td>
</tr>
</tbody>
</table>

NOTE: The JMX 1.2 tracing facility is based on java.util.logging, which is only available in J2SE 1.4. The JMX 1.2 tracing facility can still be run with earlier versions of the JDK (1.3), but in this case the JMX traces will run in a deprecated mode, and will not be available...
by default.

Using JMX Trace with JDK 1.3

When running the JMX technology on JDK 1.3, you can still get the traces by using a Sun proprietary API:

```java
com.sun.jmx.trace.TraceTags defines 3 levels of traces:

com.sun.jmx.trace.TraceTags.LEVEL_ERROR
com.sun.jmx.trace.TraceTags.LEVEL_TRACE
com.sun.jmx.trace.TraceTags.LEVEL_DEBUG

com.sun.jmx.trace.TraceImplementation defines a destination for JMX traces that can be controlled by two system properties:

com.sun.jmx.trace.level=ERROR|TRACE|DEBUG (default is ERROR) lets you define the trace level.

com.sun.jmx.trace.file=<filename> lets you define a file in which the traces should be written. If this property is not defined, the traces, when switched on, will be printed on System.err.

To switch on the traces, you need to:

* Set the com.sun.jmx.trace.level and/or com.sun.jmx.trace.file properties if you want to override the default settings. You can set these properties either by using the System.setProperty(), method or by specifying their value at the Java command line.

* call one of the two following static methods:

  - com.sun.jmx.trace.TraceImplementation.init(); activates the traces using the com.sun.jmx.trace.level and com.sun.jmx.trace.file properties.

  - com.sun.jmx.trace.TraceImplementation.init(int level); Switch on the traces using the com.sun.jmx.trace.file property, with the given 'level'. Level must be one of:

```java
com.sun.jmx.trace.TraceTags.LEVEL_ERROR
com.sun.jmx.trace.TraceTags.LEVEL_TRACE
com.sun.jmx.trace.TraceTags.LEVEL_DEBUG
```
II. Product Notes

The following are the major issues addressed in the JMX Specification maintenance release, v1.2:

1) New MBeanServer Superinterface

The MBeanServer interface in JMX 1.1 was not suitable for exposure to remote clients because it contained methods only appropriate for the exporter of the instrumentation and because it did not declare an appropriate exception for communication failures.

A new parent interface, javax.management.MBeanServerConnection, has been added.

2) New removeNotificationListener Methods

MBeanServer.removeNotificationListener has been updated to provide the same four-parameter methods as are available to addNotificationListener. This allows the removal of individual triples (listener, filter, handback).

In addition, a new interface, javax.management.NotificationEmitter, extends NotificationBroadcaster, adding a method to allow NotificationBroadcaster to remove specific triples.

3) Changes to the ObjectName class

The following enhancements have been made to the ObjectName class:

- Quoting mechanism for values
  A value in a key property list can be surrounded by quotes to avoid problems with special characters. See the API documentation generated by the Javadoc(TM) tool for the ObjectName class.

- Newline characters
  Newline characters ('\n') are not permitted in any part of an ObjectName, unless they are represented in a quoted value with the sequence '\n'.

- Factory methods for creating object names
  Previously, object names could only be obtained by invoking one of the constructors. In JMX 1.2, four new getInstance() factory
methods are provided to obtain object names. This allows an implementation to return the same ObjectName instance for the same arguments, and to return a private optimized subclass of ObjectName.

- ObjectName.equals
   The semantics of the ObjectName.equals() methods have been clarified when there is a property pattern present, as follows:
   * getKeyPropertyListString does not include any indication of whether the ObjectName is a property pattern
   * getCanonicalName includes a trailing ",*" if the ObjectName is a property pattern (or just "*" if there are no other properties)
   * equals compares the getCanonicalName values

- ObjectName implements QueryExp
   By implementing the QueryExp interface, queries can match ObjectNames to given ObjectName patterns by using the QueryExp.apply() method. This allows ObjectNames to be included in complex queries.

- ObjectName.isDomainPattern()
   A new method, isDomainPattern() is provided to determine whether the ObjectName is a pattern on the domain part.

- Clarified rules regarding characters
   The rules regarding which characters can be used in which circumstances have been clarified, as follows:
   * A domain can contain any character except colon (:)  
   * A key can contain any character except colon (:), asterisk (*), comma (,), equals (=), or query (?)  
   * An unquoted value can contain any character except colon (:), asterisk (*), comma (,), equals (=), or query (?)  
   * A quoted value can contain any character provided the quoting conventions are followed

5) Class Loading and Naming

The following enhancements have been made to class loading and naming:
- MBeanInfo.getClassName clarified
- MBeanServer.isInstanceOf clarified
- RoleInfo no longer performs checks on the MBean class names it is given. This check is now done on creation of a relation instance, using the MBeanServer.isInstanceOf method
- Class Loader Repository (CLR) enhanced:
  * New marker interface,
javafx.management.loading.PrivateClassLoader

* Risk of deadlock removed from MLet delegation
* Class loaders in the CLR are now consulted in a specific order
- Every MBeanServer has its own CLR
- New MBeanServer methods to replace the deserialize() methods, that are now deprecated:
  * getClassLoaderFor()
  * getClassLoader()
  * getClassLoaderRepository()

6) MBean Access Control

The JMX 1.2 specification allows administrators to control access to the MBeanServer and to individual MBean APIs. This new security is provided by mechanisms present in the Java 2 platform security architecture and the Java Authentication and Authorization Service (JAAS).

MBeanServer access control is provided by the class MBeanServerPermission, an extension of java.security.BasicPermission, that was introduced in JMX 1.1.

Access to MBeans is controlled by the new MBeanPermission class, which also extends java.security.Permission.

Another new class, MBeanTrustPermission, extending java.security.BasicPermission, verifies that only MBeans from trusted codebases register with an MBeanServer.

7) User-Supplied Factory for MBeanServer Instances

A new mechanism has been introduced to specify how MBeanServer objects are instantiated by the MBeanServerFactory.

8) MBeanInfo Enhancements

The following enhancements have been made to the MBean*Info classes:

- MBean*Info classes implement equals(object).
  Each of the MBean*Info classes overrides the Object.equals(object) method to compare for equality rather than identity. This is useful because JMX allows an MBean to change its MBeanInfo at any time. A remote client can test whether this has happened by comparing the result of
MBeanServer.getMBeanInfo against a previous value.

- MBeanConstructorInfo does not have to be exhaustive.
  If you use createMBean to construct an MBean with a given constructor, it is not an error for that constructor not to be in the new MBean's MBeanConstructorInfo array returned by getMBeanInfo().

- MBean*Info constructors check for valid Java identifiers:
  * In MBeanAttributeInfo, MBeanOperationInfo, and MBeanParameterInfo "name" must be a syntactically valid Java identifier and "type" must be a syntactically valid Java class name
  * In MBeanInfo, "className" must be a syntactically valid Java class name
  * In MBeanConstructorInfo and MBeanNotificationInfo, "name" must be a syntactically valid Java class name

  If these conditions are not met, the constructors throw IllegalArgumentException.

9) Notification Enhancements

The class NotificationBroadcasterSupport has a new protected method, handleNotification(), which is called for each listener registered with the NotificationBroadcaster. It can be overridden in a subclass to customize notification delivery.

10) Timer Service Enhancements

The following enhancements have been made to the Timer services:

- Modified behavior of the Timer.addNotification method
  When the specified time for a notification has already passed, addNotification behaves as if the time specified is the current time, rather than throwing an exception. This reduces risks when scheduling notifications for the very near future.

- TimerNotification Class
  The constructor of the TimerNotification class is now public, allowing user code to construct notifications.

- Periodic Notification
  The default periodic notification behavior in JMX 1.2 is fixed-delay execution, but fixed-rate execution can now be specified explicitly.
11) Monitor Service

The Monitor class has been extended to allow the monitoring of the same attribute in several MBeans. The Monitor class and the MonitorMBean interface have the following new methods:
- getObservedObjects()
- addObservedObject(ObjectName)
- removeObservedObject(ObjectName)
- containsObservedObject(ObjectName)

The CounterMonitor class and the CounterMonitorMBean interface have the following new methods:
- setInitThreshold(Number)
- getInitThreshold()
- getThreshold(ObjectName)
- getDerivedGauge(ObjectName)
- getDerivedGaugeTimeStamp(ObjectName)

NOTE: The ObjectName parameter is now required in the getThreshold(), getDerivedGauge(), and getDerivedGaugeTimeStamp() methods as these methods without parameters are now deprecated.

The GaugeMonitor and StringMonitor classes also have new methods:
- getDerivedGauge(ObjectName)
- getDerivedGaugeTimeStamp(ObjectName)

12) Relation Service

The RoleInfo constructor of the javax.management.relation.RoleInfo class no longer performs any checks on the class name it is given. This makes sense given that a DynamicMBean can return any string as the class name in its MBeanInfo, not necessarily an existent Java class.

On creation of a relation instance, the relation service checks that each MBean linked is an instance of the class name in the corresponding RoleInfo, as determined by MBeanServer.isInstanceOf.

13) Open MBeans

Open MBeans become mandatory in JMX 1.2.
14) MLets

The following enhancements have been made to MLets:

- The behavior of MLet delegation to the Class Loader Repository is now specified explicitly. It differs from the former behavior in that only loaders preceding the MLet in the CLR are delegated to. This change was introduced to avoid a deadlock possibility.

- The MLet class now implements the Externalizable interface. The methods readExternal and writeExternal already existed in previous releases, so this is logical. Implementations are not required to support these methods, and the reference implementation does not support them.

- The method MLet.check is exposed to allow subclasses of MLet to implement caching and versioning.

15) Serial Compatibility with JMX 1.0

JMX 1.1 changed the serial form of several classes in JMX 1.0. It introduced a property jmx.serial.form to allow code to continue to use the old form. Independent implementations, however, are not required to support this feature.

16) Calling getters and setters Using invoke

In JMX 1.2, it is forbidden to call getters and setters via invoke. Previously, an implementation was free to choose whether or not to allow this.

However, if the property jmx.invoke.getters does not have an empty value, the code forbidding calling getters and setters through invoke is disabled.

17) Retrieving domains in MBeanServer

A new MBeanServer method, getDomains(), has been introduced.

18) Standard MBeans

The following enhancements have been made to standard MBeans:
- Clarified rules for deriving NameMBean from Name. In JMX 1.2, if the implementation class of a standard MBean is some.package.Name then the management interface must be some.package.NameMBean.

- Hybrid of Standard and Dynamic MBeans. A new class, javax.management.StandardMBean, has been added to remove the need for a fixed relationship between the implementation class of the standard MBean and its management interface. The StandardMBean class implements the DynamicMBean interface.

19) InvocationHandler for MBean Proxies

An implementation of the java.lang.reflect.InvocationHandler interface has been added in JMX 1.2. The new javax.management.MBeanServerInvocationHandler class can be used to construct a proxy for an MBean, given its management interface, for convenience and type-safeness on invoke, getAttribute and setAttribute methods.

20) Model MBeans

The following enhancements have been made to model MBeans:
- Descriptor interface now extends Cloneable
- RequiredModelMBean implements MBeanRegistration
- ModelMBean.load called from preRegister not constructor
- Inconsistencies between the specification document and the API documentation generated by the Javadoc tool have been corrected

III. Product Restrictions

The following is a list of known restrictions in this release.

1) BugID 4752340

The Model MBean documentation reveals that when the descriptor for an attribute specifies a getMethod X, the method to be invoked is not necessarily called X. Instead, it is the method whose ModelMBeanOperationInfo specifies a name of X in its descriptor.

To avoid confusion, make sure you use the same name for the method and for the descriptor.
Found in path(s):
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/RELEASE_NOTES.txt
No license file was found, but licenses were detected in source scan.

/*
* @(#)file      BaseAgent.java
* @(#)author    Sun Microsystems, Inc.
* @(#)version   1.13
* @(#)lastedit  03/07/15
* 
* Copyright 2000-2003 Sun Microsystems, Inc. All rights reserved.
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Found in path(s):
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/examples/BaseAgent/BaseAgent.java
No license file was found, but licenses were detected in source scan.

/*
* @(#)file      Simple.java
* @(#)author    Sun Microsystems, Inc.
* @(#)version   4.8
* @(#)lastedit  03/07/15
* 
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Found in path(s):
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/examples/MonitorMBean/Simple.java
No license file was found, but licenses were detected in source scan.

/*
* @(#)file      SimpleRelation.java
* @(#)author    Sun Microsystems, Inc.
* @(#)version   1.9
Model MBean Example

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

1. Overview

This example shows how to implement a simple agent application that uses the Model MBean defined in the JMX specification.

The agent in this example shows the use of a Model MBean to manage an application bean, named "TestBean". It also demonstrates how to have attributes in the same ModelMBean supported by methods on different objects.
2. File List

This example is based on the following source files:

* ModelAgent.java:
  - Creates an MBean server.
  - Registers a Model MBean in the MBean server.
  - Configures the Model MBean in order to manage two simple application beans called "TestBean" and "TestBeanFriend".
  - It registers an object of class "TestBeanAttributeChangeListener" as listener to all notifications emitted when the attribute "State" of the "TestBean" changes.
  - It performs management operations on application beans using the Model MBean.

* TestBeanAttributeChangeListener.java:
  - Implements the javax.management.NotificationListener interface.
  It receives the attribute change notifications emitted by the Model MBean when the attribute "State" of the "TestBean" changes.

* TestBean.java:
  - Simple definition of a Bean which is managed by a ModelMBean.

* TestBeanFriend.java:
  - Simple definition of a Bean which is managed by a ModelMBean.
  It implements the same methods as "TestBean". It is used by the ModelAgent test program to illustrate and demonstrate how to have attributes in the same ModelMBean supported by methods on different objects.

3. Building and Running the Example

To build and run this example, make sure that your PATH and CLASSPATH environment variables are correctly set to use the Java 2 SDK. In addition, your CLASSPATH must also contain the JMX reference implementation jar file (jmxri.jar), as well as the current directory (.)

These instructions assume the classpath is set in an environment variable, though it may also be given on the command line with the -classpath option.
Copy the example source files to your working directory and type the following commands:

```shell
cd <WORKING_DIR>
javac *.java
```

To run the example using the classes you have just built, type the following command:

```
java ModelAgent
```

You then interact with the agent through the standard input and output in the window where it was launched. The ModelAgent class displays information about each management step and waits for user input before continuing.

Found in path(s):
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/examples/ModelMBean/README

No license file was found, but licenses were detected in source scan.

```
/*/ 
* @(#)file SimpleStandardMBean.java  
* @(#)author Sun Microsystems, Inc.  
* @(#)version 1.8  
* @(#)lastedit 03/07/15  
*  
* Copyright 2000-2003 Sun Microsystems, Inc. All rights reserved.  
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*/
```

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```
/*/ 
* @(#)file SimpleRelationType.java  
* @(#)author Sun Microsystems, Inc.  
* @(#)version 1.11  
* @(#)lastedit 03/07/15  
*/
```

No license file was found, but licenses were detected in source scan.
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*/

Found in path(s):
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/examples/Relation/SimpleRelationType.java
No license file was found, but licenses were detected in source scan.

/*
* @(#)file      StandardObservedObject.java
* @(#)author    Sun Microsystems, Inc.
* @(#)version   4.9
* @(#)lastedit  03/07/15
*
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*/

Found in path(s):
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/examples/MonitorMBean/StandardObservedObject.java
No license file was found, but licenses were detected in source scan.

/*
* @(#)file      README
* @(#)author    Sun Microsystems, Inc.
* @(#)version   1.8
* @(#)date      03/07/15
*
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Standard MBean Example

1. Overview

This example shows how to write a standard MBean and manage it through a simple JMX agent application:

- Develop a standard MBean that complies with the design patterns of the JMX instrumentation level

- Develop a simple JMX agent for exercising the MBean:
  . Initialize the MBean server
  . Create and register the MBean in the MBean server
  . Get and set attributes, invoke operations on the MBean
  . Try to invoke MBean methods not exposed for management

2. File List

This example uses the following source files:

* SimpleStandard.java:
  - A standard MBean

* SimpleStandardMBean.java:
  - The management interface of the SimpleStandard class

* StandardAgent.java:
  - Creates an MBean server
  - Registers a standard MBean in the MBean server
  - Gets information on the management interface of the MBean
  - Invokes MBean methods exposed for management with success and tries to invoke methods not exposed for management without success

3. Building and Running the Example
To build and run this example, make sure that your PATH and CLASSPATH environment variables are correctly set to use the Java 2 platform. In addition, your CLASSPATH must also contain the JMX reference implementation jar file (jmxri.jar), as well as the current directory (.).

These instructions assume the classpath is set in an environment variable, though it may also be given on the command line with the -classpath option.

To compile the example, type the following commands:

```
cd examples/StandardMBean/
javac *.java
```

To run the example using the classes you have just built, type the following command:

```
java StandardAgent
```

You then interact with the agent through the standard input and output in the window where it was launched. The StandardAgent class displays information about each management step and waits for user input before continuing.

Found in path(s):
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/examples/StandardMBean/README

No license file was found, but licenses were detected in source scan.

/*
 * @(#)file      README
 * @(#)author    Sun Microsystems, Inc.
 * @(#)version   1.8
 * @(#)date      03/07/15
 * *
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 */

Dynamic MBean Example

========================
1. Overview

This example shows how to implement a dynamic MBean and manage it through a simple JMX agent application:

- Develop a dynamic MBean that implements the DynamicMBean interface and correctly exposes its management interface at runtime.

- Develop a simple JMX agent for exercising the MBean:
  . Initialize the MBean server
  . Add the dynamic MBean to the MBean server
  . Find the MBeans management interface
  . Get and set attributes, invoke operations on the MBean
  . Handle the response when trying to invoke methods not exposed for management

2. File List

This example is based on the following source files:

* SimpleDynamic.java:
  - A dynamic MBean

* DynamicAgent.java:
  - Creates an MBean server
  - Registers a dynamic MBean in the MBean server
  - Gets information on the management interface of the MBean
  - Invokes dynamic MBean methods exposed for management with success and tries to invoke methods not exposed for management without success

3. Building and Running the Example

To build and run this example, make sure that your PATH and CLASSPATH environment variables are correctly set to use the Java 2 platform. In addition, your CLASSPATH must also contain the JMX reference implementation jar file (jmxri.jar), as well as the current directory (.).
These instructions assume the classpath is set in an environment variable, though it may also be given on the command line with the -classpath option.

To compile the example, type the following commands:

```
cd examples/DynamicMBean/
javac *.java
```

To run the example using the classes you have just built, type the following command:

```
java DynamicAgent
```

You then interact with the agent through the standard input and output in the window where it was launched. The DynamicAgent class displays information about each management step and waits for user input before continuing.

```
/*
 * @(#)file      DynamicAgent.java
 * @(#)author    Sun Microsystems, Inc.
 * @(#)version   1.23
 * @(#)lastedit      03/07/15
 *
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 */
```

Found in path(s):
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/examples/DynamicMBean/README
No license file was found, but licenses were detected in source scan.

```
/*
 * @(#)file      SimpleStandardMBean.java
 * @(#)author    Sun Microsystems, Inc.
 * @(#)version   1.11
 */
```

Found in path(s):
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/examples/DynamicMBean/DynamicAgent.java
No license file was found, but licenses were detected in source scan.
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 31266

bin/doc/api/javax/management/timer/package-tree.html
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/api/javax/management/monitor/class-use/MonitorSettingException.html
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/api/javax/management/relation/RelationServiceNotRegisteredException.html
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/api/javax/management/class-use/NotificationBroadcaster.html
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/api/javax/management/AttributeChangeNotification.html
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/api/javax/management/openmbean/class-use/InvalidKeyException.html
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/api/javax/management/class-use/CompositeData.html
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/api/javax/management/class-use/RoleList.html
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/api/javax/management/modelmbean/class-use/XMLParseException.html
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/api/javax/management/class-use/MBeanFeatureInfo.html
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/api/javax/management/class-use/RelationType.html
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/api/java/management/monitor/MonitorMBean.html
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/api/java/management/openmbean/class-use/TabularDataSupport.html
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/api/java/management/monitor/StringMonitorMBean.html
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/api/java/management/monitor/RelationTypeSupport.html
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/api/java/management/openmbean/class-use/OpenMBeanInfoSupport.html
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/api/java/management/class-use/DynamicMBean.html
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/api/overview-summary.html
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/api/java/management/class-use/Notification.html
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/api/java/management/DefaultLoaderRepository.html
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/api/java/management/openmbean/CompositeData.html
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/api/java/management/monitor/GaugeMonitor.html
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/api/java/management/class-use/IntrospectionException.html
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/api/java/management/MBeanServerConnection.html
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/api/java/management/relation/Role.html
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/api/java/management/MBeanOperationInfo.html
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/api/java/management/ReflectionException.html
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/api/java/management/loading/class-use/DefaultLoaderRepository.html
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/api/java/management/IntrospectionException.html
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/api/java/management/openmbean/TabularDataSupport.html
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/api/java/management/class-use/NotificationFilterSupport.html
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/api/java/management/modelMbean/class-use/ModelMBeanNotificationBroadcaster.html
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/api/java/management/BadStringOperationException.html
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/api/java/management/monitor/CounterMonitor.html
* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/api/java/management/openmbean/OpenMBeanOperationInfoSupport.html

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 * @(#)version   1.5
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Open MBean Example

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

1. Overview

This example shows how to implement an open MBean and manage it through a simple JMX agent application:

- Develop a sample open MBean that uses some of the open data types and correctly exposes its management interface at runtime through the OpenMBean*Info classes.

- Develop a simple JMX agent for exercising the open MBean:
  . Initialize the MBean server
  . Create and add the sample open MBean to the MBean server
  . Get and display the open MBean management information
  . Invoke some operations on the MBean

=======================================================================
2. File List

This example is based on the following source files:

* SampleOpenMBean.java:
  - An open MBean

* OpenAgent.java:
  - Simple JMX agent for exercising the open MBean

3. Building and Running the Example

To build and run this example, make sure that your PATH and CLASSPATH environment variables are correctly set to use the Java 2 platform. In addition, your CLASSPATH must also contain the JMX reference implementation jar file (jmxri.jar), as well as the JMX tools contributions jar file (jmxtools.jar) for the HTML adaptor class, and the current directory (.).

These instructions assume the classpath is set in an environment variable, though it may also be given on the command line with the -classpath option.

To compile the example, type the following commands:

```bash
cd examples/OpenMBean/
javac *.java
```

To run the example using the classes you have just built, type the following command:

```
java OpenAgent
```

You then interact with the agent through the standard input and output in the window where it was launched. The OpenAgent class displays information about each management step and waits for user input before continuing.

Found in path(s):

* /opt/cola/permits/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/examples/OpenMBean/README
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 * @(#)version 1.13
 * @(#)lastedit 03/07/15
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 * @(#)file      SimpleStandard.java
 * @(#)author    Sun Microsystems, Inc.
 * @(#)version   1.12
 * @(#)lastedit  03/07/15
 */
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/*
  *@(#)file      AgentListener.java
  *@(#)author    Sun Microsystems, Inc.
  *@(#)version   4.9
  *@(#)lastedit   03/07/15
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Base Agent Example

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

1. Overview

This example shows how to implement a minimal agent application that can be accessed through a Web browser.

2. File List

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This example is based on the following source file:

* BaseAgent.java:
  - Creates an MBean server
  - Creates and registers an HTML adaptor server in the MBean server

3. Building and Running the Example

To build and run this example, make sure that your PATH and CLASSPATH environment variables are correctly set to use the Java 2 platform. In addition, your CLASSPATH must also contain the JMX reference implementation (jmxri.jar) and toolkit (jmxtools.jar) jar files, as well as the current directory (.).

These instructions assume the classpath is set in an environment variable, though it may also be given on the command line with the -classpath option.

To compile the example, type the following commands:

```
cd examples/BaseAgent/
javac *.java
```

To run the example using the classes you have just built, type the following command:

```
java BaseAgent &
```

This JMX agent is now running on your machine. To manage the agent through a Web browser, load the following URL: http://localhost:8082/

You may also access this agent from any remote machine on the same network by connecting to this URL: http://<agentHostName>:8082/ (where <agentHostName> is the name or IP address of the machine where you launched the BaseAgent).

Please refer to the tutorial provided in this software bundle for further instructions about interacting with the JMX agent through the HTML protocol adaptor.

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Monitor MBean Example

1. Overview

This example shows how to implement a simple agent application that uses the monitoring service defined in the JMX specification.

The agent in this example registers a monitor MBean which observes the number of MBeans registered in the MBean server.

In order to receive information from the monitor, the example also shows how to implement a notification listener with the JMX notification model.

2. File List

This example is based on the following source files:

* MonitorAgent.java:
  - Creates an MBean server
  - Registers a monitor MBean in the MBean server which sends out a notification when the number of registered MBeans exceeds a pre-defined threshold
  - Registers many MBeans of class Simple
  - Registers a standard MBean (StandardObservedObject) and then a dynamic MBean (DynamicObservedObject) each having an attribute
representing the number of MBeans registered in the MBean server
- Declares a listener for the notifications emitted by the monitor MBean
- Unregisters all of the MBeans

* AgentListener.java:
  - Receives the notifications emitted by the monitor MBean

* Simple.java:
  - A standard MBean

* SimpleMBean.java:
  - The management interface of the MBean Simple

* StandardObservedObject.java:
  - A standard MBean having an attribute representing the number of MBeans registered in the MBean server

* StandardObservedObjectMBean.java:
  - The management interface of the MBean StandardObservedObject

* DynamicObservedObject.java:
  - A dynamic MBean having an attribute representing the number of MBeans registered in the MBeanServer

-----------------------------------------------------------------------
3. Building and Running the Example
-----------------------------------------------------------------------

To build and run this example, make sure that your PATH and CLASSPATH environment variables are correctly set to use the Java 2 platform. In addition, your CLASSPATH must also contain the JMX reference implementation jar file (jmxri.jar), as well as the current directory (.).

These instructions assume the classpath is set in an environment variable, though it may also be given on the command line with the -classpath option.

To compile the example, type the following commands:

cd examples/MonitorMBean/
javac *.java

To run the example using the classes you have just built, type the following command:

java MonitorAgent
You then interact with the agent through the standard input and output in the window where it was launched. The MonitorAgent class displays information about each management step and waits for user input before continuing.

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/*
 *
 * @(#)file      SampleOpenMBean.java
 * @(#)author    Sun Microsystems, Inc.
 * @(#)version   1.6
 * @(#)lastedit  03/07/15
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---------------------------------------------------------------------------
Java(TM) Management Extensions (JMX(TM)) v1.2.1 sources README
---------------------------------------------------------------------------

This README file describes how to build the JMX 1.2.1 sources.

The JMX 1.2.1 source delivery comes with a build.xml file written for Ant 1.5.
Please download and install Apache Ant 1.5 from: http://ant.apache.org

Once you have set your PATH, ANT_HOME and JAVA_HOME variables as described
in the Ant 1.5 installation procedure, you can build the JMX 1.2.1 sources:
* cd to the directory containing the build.xml file
* type: ant all

--

Found in path(s):
* /opt/cola/permissions/1029890343_1626160518.75/0/jmx-1-2-1-ri-zip/jmx-1_2_1-bin/doc/README_SRC.txt
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 * @(#)author Sun Microsystems, Inc.
 * @(#)version 1.23
 * @(#)lastedit 03/07/15
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/*
 * @(#)file StandardObservedObjectMBean.java
 * @(#)author Sun Microsystems, Inc.
 * @(#)version 4.8
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 * @(#)author Sun Microsystems, Inc.
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/*
 * @(#)file DynamicObservedObject.java
 */
Relation Service Example
 ========================

1. Overview

This example shows how to use the Relation Service:

- to handle relation types, i.e. metadata describing the roles that a relation of that type has to support:
  . Creation, either of simple relation types through the Relation
Service, or of relation types created by the user and added into the Relation Service
. Access
. Deletion

- to handle relations, i.e. links between MBeans
  . Creation, either of relations not handled as MBeans and kept internally in the Relation Service, or relation MBeans,
  . Access, through the Relation Service for any relation, or direct access for relation MBean
  . Removal

- to perform queries to retrieve relations referencing a given MBean, or MBeans associated to a given MBean.

It also demonstrates the way the Relation Service maintains the consistency when MBeans referenced in relations are unregistered from the MBean server.

-----------------------------------------------------------------------
2. File List
-----------------------------------------------------------------------

This example uses the following source files:

* RelationAgent.java:
  - Creates an MBean server
  - Registers a Relation Service MBean in the MBean server
  - Registers some standard MBeans in the MBean server
  - Creates, access and removes relation types
  - Creates, access and removes relations
  - Performs queries on relations

* SimpleRelation.java:
  - A simple relation MBean class, to be used to create relation MBeans, first registered into the MBean server as MBeans, then added into the Relation Service as relations

* SimpleRelationMBean.java:
  - The management interface of the SimpleRelationMBean class

* SimpleRelationType.java:
  - A simple relation type class, to be used to create a relation type to be added in the Relation Service. This is an alternative for having to create a relation type describing it each time, here an instance does it.

* SimpleStandard.java:
- A standard MBean, to be used in relations

* SimpleStandardMBean.java:
- The management interface of the SimpleStandard class

-------------------------------------------
3. Building and Running the Example
-------------------------------------------

To build and run this example, make sure that your PATH and CLASSPATH environment variables are correctly set to use the Java 2 platform. In addition, your CLASSPATH must also contain the JMX Reference implementation (jmxri.jar) jar files, as well as the current directory (.)

These instructions assume the classpath is set in an environment variable, though it may also be given on the command line with the -classpath option.

Copy the example source files to your working directory and type the following commands:

    cd examples/Relation
    javac *.java

To run the example using the classes you have just built, type the following command:

    java RelationAgent

You then interact with the agent through the standard input and output in the window where it was launched. The RelationAgent class displays information about each management step and waits for user input before continuing.

---

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http-proxy-agent

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

### An HTTP(s) proxy `http.Agent` implementation for HTTP


This module provides an `http.Agent` implementation that connects to a specified
HTTP or HTTPS proxy server, and can be used with the built-in `http` module.

Note: For HTTP proxy usage with the `https` module, check out
[ `node-https-proxy-agent` ](https://github.com/TooTallNate/node-https-proxy-agent).

Installation

-----------

Install with `npm`:

```bash
$ npm install http-proxy-agent
```

Example

------

```js
var url = require('url');
var http = require('http');
```
var HttpProxyAgent = require('http-proxy-agent');

// HTTP/HTTPS proxy to connect to
var proxy = process.env.http_proxy || 'http://168.63.76.32:3128';
console.log('using proxy server %j', proxy);

// HTTP endpoint for the proxy to connect to
console.log('attempting to GET %j', endpoint);
var opts = url.parse(endpoint);

// create an instance of the 'HttpProxyAgent' class with the proxy server information
var agent = new HttpProxyAgent(proxy);
opts.agent = agent;

http.get(opts, function (res) {
  console.log("response" event!, res.headers);
  res.pipe(process.stdout);
});

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-------

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1.2980 libdebconfclient0 0.192

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CDebConf was initially written by Randolph Chung <tausq@debian.org>

Other contributors include:
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- David Whedon <dwhedon@gordian.com>
- Dan Jacobowitz <dan@debian.org>
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- Regis Boudin <regis@debian.org>

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- debconf - The original, de facto, perl implementation
  (c) Joey Hess <joeyh@debian.org>
- apt - The Debian Advanced Package Tool
  (c) Jason Gunthorpe <jgg@debian.org>
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1.2982 to-fast-properties 2.0.0

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1.2983 jsonify 0.0.0

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# jsonify

This module provides Douglas Crockford's JSON implementation without modifying any globals.

`stringify` and `parse` are merely exported without respect to whether or not a global `JSON` object exists.

[![build status](https://secure.travis-ci.org/substack/jsonify.png)](http://travis-ci.org/substack/jsonify)

# methods

``` js
var json = require('jsonify');
``` 

## json.parse(source, reviver)

Return a new javascript object from a parse of the `source` string.

If a `reviver` function is specified, walk the structure passing each name/value pair to `reviver.call(parent, key, value)` to transform the `value` before parsing it.

## json.stringify(value, replacer, space)

Return a string representation for `value`.

If `replacer` is specified, walk the structure passing each name/value pair to `replacer.call(parent, key, value)` to transform the `value` before stringifying it.

If `space` is a number, indent the result by that many spaces.
If `space` is a string, use `space` as the indentation.

# install

With [npm](http://npmjs.org) do:
To use this module in the browser, check out [browserify](https://github.com/substack/node-browserify).

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1.2984 request 2.83.0

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1.2985 python-dateutil 2.6.1

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1.2986 ieee754 1.1.13

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1.2987 librtmp 2.4+20151223.gitfa8646d 1ubuntu0.1

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with the Library, with the complete machine-readable "work that
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will operate properly with a modified version of the library, if
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1.2994 libss 1.42.13 1ubuntu1

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This is the Debian GNU/Linux prepackaged version of the ss
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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 EXT2 file
system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were
written by Theodore Ts'o <ttypso@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 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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;/*

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

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

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This package, the EXT2 filesystem libraries, are protected by the GNU Public License.


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 new version (1.41.11) of the second extended file system management programs.

From time to time, I release new versions of e2fsprogs, to fix bugs and to make the utilities more robust. You can always find information about the latest version at the the e2fsprogs web page, which is:

http://e2fsprogs.sourceforge.net

The INSTALL file has instructions on building and installing e2fsprogs. Provisions for building Red Hat RPMs and Debian dpkg files are supplied as well.

In case of bugs in these programs, please contact Ted Ts'o at tytso@mit.edu or tytso@alum.mit.edu. See the e2fsck man page for suggestions of what sort of information to include when submitting bug reports for these programs.

Index: tdbsa/tdb.c

===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
- Copyright (C) Andrew Tridgell 2005
+ Copyright (C) Andrew Tridgell 1999-2005
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+ Copyright (C) Paul 'Rusty' Russell 2000

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

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

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#
# 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) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
$(LN) $(BSD_LIB) ../$(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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It is part of the main e2fsprogs distribution, which can be found at:

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Theodore Ts'o
23-June-2007

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

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

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

image::$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS) $(OBJ))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) "$(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 EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <ytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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

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Gadi Oxman, August 1995

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This package was put together by Yann Dirson <dirson@debian.org>,
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1.2995 libtiff 4.0.10-4

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1.2996 es-get-iterator 1.1.2
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1.2997 maglev-internal-api 1.7.31
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Metadata-Version: 2.0
Name: maglev-internal-api
Version: 1.7.31
Summary: Maglev Internal API Library (1.7.31)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: aiohttp (==2.2.5)
Requires-Dist: chari (==3.0.4)
Requires-Dist: dnspython (==1.16.0)
Requires-Dist: idna (==2.7)
Requires-Dist: monotonic (==1.1)
Requires-Dist: python-etc (==0.4.5)
Requires-Dist: urllib3 (~==1.24.3)
Requires-Dist: yarl (==0.18.0)

# Installation
+ Requires: Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

Found in path(s):
* /opt/cola/permits/1176009116_1624570363.53/0/maglev-internal-api-1-7-31-dist-info-
  zip/inputdir/packages_extracted/targz/1/packages_extracted/3/packages_extracted/3/packages_extracted/5/maglev_i
  nternal_api-1.7.31.dist-info/METADATA

1.2998 libprocps4 2:3.3.10 4ubuntu2.3
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DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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  jar/io/netty/resolver/RoundRobinInetAddressResolver.java

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* /opt/ws_local/PERMITS_SQL/1022263362_1596469059.54/0/input-control-vis-zip/input_control_vis/public/vis_controller.js
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  zip/input_control_vis/public/lineage/index.js
* /opt/ws_local/PERMITS_SQL/1022263362_1596469059.54/0/input-control-vis-
  zip/input_control_vis/public/control/filter_manager/filter_manager.js
1.3019 rw 1.3.3

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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 3a0982da308228d796df35f98d787c5cff2bb5b6.
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* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp:
These files were derived from the file_handle, systembuf, pipe and pistream
classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

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

Author: Julio Merino <jmmv84@gmail.com>

===========================================================================
vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
<!--
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-->

<!-- $Id$ -->

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

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

<xsl:template name="isc.copyright.format">
  <xsl:param name="text"/>
  <xsl:value-of select="$isc.copyright.leader"/>
  <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
  <xsl:text>&#10;</xsl:text>
  <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
  <xsl:if test="translate($rest, '&#9;&#32;', '')">
    <xsl:call-template name="isc.copyright.format">
      <xsl:with-param name="text" select="$rest"/>
    </xsl:call-template>
  </xsl:if>
</xsl:call-template>
</xsl:template>

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1.3025 repeat-string 1.6.1
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1.3026 libgssrpc 1.17-3

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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

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kadmin/server/ipropd_svc.c
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Local-Date: Fri, 06 Jun 2003 13:18:52 -0400
Date: Fri, 6 Jun 2003 10:18:52 -0700
From: Juan Gomez <juang@us.ibm.com>
To: Stephen Frost <sfrost@debian.org>
X-Mailer: Lotus Notes Release 5.0.2a (Intl) 23 November 1999
Subject: Re: Juan C. Gomez license in OpenLDAP Source

Stephen,

"There is no restriction on modifications and derived works" on the work I did for the openldap server as long as this is consistent with the openldap license. Please forward this email to Kurt so he does the appropriate changes to the files to reflect this.

Regards, Juan

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MA
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Local-Date: Thu, 05 Jun 2003 16:53:32 -0400
Date: Thu, 5 Jun 2003 16:53:32 -0400 (EDT)
From: Mark Adamson <adamson@andrew.cmu.edu>
To: Stephen Frost <sfrost@debian.org>
Subject: Re: Mark Adamson license in OpenLDAP source

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* Subject: Re: OpenLDAP Licenseing issues
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Regards, Kurt

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^L

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1.3047 libcurlgnutls 7.47.0 1ubuntu2.2

1.3047.1 Available under license:

License Mixing with apps, libcurl and Third Party Libraries

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[1]-licensed code is not allowed to be linked with code licensed under the Original BSD license (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[2]. This particular problem was addressed when the Modified BSD license was created, which does not have the announcement clause that collides with GPL.

libcurl http://curl.haxx.se/docs/copyright.html

Uses an MIT (or Modified BSD)-style license that is as liberal as possible.

OpenSSL https://www.openssl.org/source/license.html

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GnuTLS http://www.gnutls.org/

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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.

WolfSSL  https://www.wolfssl.com/

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axTLS   http://axtls.sourceforge.net/

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mbedtls https://tls.mbed.org/

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BoringSSL https://boringssl.googlesource.com/

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libressl http://www.libressl.org/

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c-ares  http://daniel.haxx.se/projects/c-ares/license.html

(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    http://www.zlib.net/zlib_license.html

(Used for compressed Transfer-Encoding support) Uses an MIT-style license that shouldn't collide with any other library.
MIT Kerberos http://web.mit.edu/kerberos/www/dist/

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(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.

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1.3048 python-minimal 2.7.16-1
1.3048.1 Available under license:
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is licensed under the MIT 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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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
2.6.3  2.6.2  2009  PSF  yes
2.6.4  2.6.3  2009  PSF  yes
2.6.5  2.6.4  2010  PSF  yes

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(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.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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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
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1.3057 dmidecode 3.1-1ubuntu0.1

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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.>
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Gnomovision version 69, Copyright (C) year name of author
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under certain conditions; type `show c' for details.

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<signature of Ty Coon>, 1 April 1989
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Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show
c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here a sample; alter the names:

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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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Version 3, 29 June 2007

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   (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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5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
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user can modify the Library and then relink to produce a modified
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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
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which the executable runs, unless that component itself accompanies
the executable.

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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b) Convey the object code in, or embodied in, a physical product
(including a physical distribution medium), accompanied by a
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long as you offer spare parts or customer support for that product
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1.3068 python-dev 2.7.13-2
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This package was put together by Klee Dienes <klee@debian.org> from sources from ftp.python.org:/pub/python, based on the Debianization by the previous maintainers Bernd S. Brentrup <bsb@uni-muenster.de> and Bruce Perens.

Current maintainer is Matthias Klose <doko@debian.org> until the final 2.3 version is released.

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A. HISTORY OF THE SOFTWARE

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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dh_python2, pycompile, pyclean and debpython module:

*************************************************************************

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1.3069 libterm-ui-perl 0.42-1
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=head1 GLOBAL VARIABLES

The behaviour of Term::UI can be altered by changing the following global variables:

=head2 $Term::UI::VERBOSE

This controls whether Term::UI will issue warnings and explanations as to why certain things may have failed. If you set it to 0, Term::UI will not output any warnings.
The default is 1;

=head2 $Term::UI::AUTOREPLY

This will make every question be answered by the default, and warn if there was no default provided. This is particularly useful if your program is run in non-interactive mode.
The default is 0;

=head2 $Term::UI::INVALID

This holds the string that will be printed when the user makes an invalid choice.
You can override this string from your program if you, for example, wish to do localization.
The default is C<Invalid selection, please try again: >

=head2 $Term::UI::History::HISTORY_FH

This is the filehandle all the print statements from this module are being sent to. Please consult the C<Term::UI::History> manpage for details.
This defaults to C<*STDOUT*>.

=head1 EXAMPLES
=head2 Basic get_reply sample

### ask a user (with an open question) for their favourite colour
(reply = $term->get_reply( prompt => 'Your favourite colour? );

which would look like:

Your favourite colour?

and C<$reply> would hold the text the user typed.

=head2 get_reply with choices

### now provide a list of choices, so the user has to pick one
(reply = $term->get_reply( prompt => 'Your favourite colour?',
choices => [qw|red green blue|] );

which would look like:

1> red
2> green
3> blue

Your favourite colour?

C<$reply> will hold one of the choices presented. C<Term::UI> will repose
the question if the user attempts to enter an answer that's not in the
list of choices. The string presented is held in the C<Term::UI::INVALID>
variable (see the C<GLOBAL VARIABLES> section for details.

=head2 get_reply with choices and default

### provide a sensible default option -- everyone loves blue!
(reply = $term->get_reply( prompt => 'Your favourite colour?',
choices => [qw|red green blue|],
default => 'blue' );

which would look like:

1> red
2> green
3> blue

Your favourite colour? [3]:

---

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Note the default answer after the prompt. A user can now just hit C<enter>
(or set C<$Term::UI::AUTOREPLY> -- see the C<GLOBAL VARIABLES> section) and
the sensible answer 'blue' will be returned.

=head2 get_reply using print_me & multi

### allow the user to pick more than one colour and add an
### introduction text
@reply = $term->get_reply(
  print_me => 'Tell us what colours you like',
  prompt  => 'Your favourite colours?',
  choices => [qw|red green blue|],
  multi   => 1 );

which would look like:

Tell us what colours you like
1> red
2> green
3> blue

Your favourite colours?

An answer of C<3 2 1> would fill C<@reply> with C<blue green red>

=head2 get_reply & allow

### pose an open question, but do a custom verification on
### the answer, which will only exit the question loop, if
### the answer matches the allow handler.
$reply = $term->get_reply(
  prompt => "What is the magic number?",
  allow  => 42 );

Unless the user now enters C<42>, the question will be reposed over
and over again. You can use more sophisticated C<allow> handlers (even
subroutines can be used). The C<allow> handler is implemented using
C<Params::Check>'s C<allow> function. Check its manpage for details.

=head2 an elaborate ask_yn sample

### ask a user if he likes cookies. Default to a sensible 'yes'
### and inform him first what cookies are.
$bool = $term->ask_yn( prompt => 'Do you like cookies?',
  default => 'y',
  print_me => 'Cookies are LOVELY!!!');

would print:
Cookies are LOVELY!!
Do you like cookies? [Y/n]:

If a user then simply hits C<enter>, agreeing with the default, C<$bool> would be set to C<true>. (Simply hitting 'y' would also return C<true>. Hitting 'n' would return C<false>)

We could later retrieve this interaction by printing out the Q&A history as follows:

    print $term->history_as_string;

which would then print:

Cookies are LOVELY!!
Do you like cookies? [Y/n]: y

There's a chance we're doing this non-interactively, because a console is missing, the user indicated he just wanted the defaults, etc.

In this case, simply setting C<$Term::UI::AUTOREPLY> to true, will return from every question with the default answer set for the question. Do note that if C<AUTOREPLY> is true, and no default is set, C<Term::UI> will warn about this and return C<undef>.

=head1 See Also
C<Params::Check>, C<Term::ReadLine>, C<Term::UI::History>

=head1 BUG REPORTS
Please report bugs or other issues to E<lt>bug-term-ui@rt.cpan.org<gt>.

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This is the README file for Term::UI.

Please refer to 'perldoc Term::UI' after installation for details.

#####################################################################

* Description

Term::UI provides methods to ask both elaborate questions as well as simple yes/no questions via a Term::ReadLine interface using a template. It can also parse options per unix style.

#####################################################################

* Installation

Term::UI follows the standard perl module install process

perl Makefile.PL
make
make test
make install

The module uses no C or XS parts, so no c-compiler is required.

#####################################################################

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* /opt/cola/permits/1136857512_1613950619.01/0/libterm-ui-perl-0-42-orig-1-tar-gz/Term-UI-0.42/README

---
abstract: 'User interfaces via Term::ReadLine made easy'
author:
  - Jos Boumans <kane[at]cpan.org>'
build_requires:
ExtUtils::MakeMaker: 0
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 6.84, CPAN::Meta::Converter version 2.133380'
license: perl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Term-UI
no_index:
directory:
  - t
  - inc
requires:
  Locale::Maketext::Simple: 0
  Log::Message::Simple: 0
  Params::Check: 0
  Term::ReadLine: 0
  Test::More: 0.31
  if: 0
resources:
  repository: git://github.com/jib/term-ui.git
  version: 0.42

Found in path(s):
  * /opt/cola/permits/1136857512_1613950619.01/0/libterm-ui-perl-0-42-orig-1-tar-gz/Term-UI-0.42/META.yml

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=head1 GLOBAL VARIABLES

=over 4

=item $HISTORY_FH

This is the filehandle all the messages sent to C<history()> are being printed. This defaults to C<*STDOUT>.

=back

=head1 See Also

C<Log::Message::Simple>, C<Term::UI>

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* /opt/cola/permits/1136857512_1613950619.01/0/libterm-ui-perl-0-42-orig-1-tar-gz/Term-UI-0.42/lib/Term/UI/History.pm

1.3070 libxml 2.9.3+dfsg1 1ubuntu0.7

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1.3071 libsysfs 2.1.0+repack-4build1
1.3071.1 Available under license:

This package was debianized by Martin Pitt <mpitt@debian.org> on

Upstream URL:
http://linux-diag.sourceforge.net/Sysfsutils.html

Upstream Authors:
Ananth Mavinakayanahalli <ananth@in.ibm.com>
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1.3072 jetty-servlets 9.3.27.v20190418

1.3073 babel-plugin-transform-es2015-typeof-symbol 6.23.0

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1.3074 bson4jackson 2.7.0

1.3075 pkg-config 0.29-6

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Automated Testing Framework

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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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<!-- $Id$ -->

<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
xmlns:xi="http://www.w3.org/2001/XInclude"
xmlns:db="http://docbook.org/ns/docbook">
  <xsl:template name="isc.copyright.format">
    <xsl:param name="text"/>
    <xsl:value-of select="$isc.copyright.leader"/>
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
    <xsl:text>&#10;</xsl:text>
    <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
    <xsl:if test="translate($rest, '&#9;&#32;', '')">
      <xsl:call-template name="isc.copyright.format">
        <xsl:with-param name="text" select="$rest"/>
      </xsl:call-template>
    </xsl:if>
  </xsl:template>

  <xsl:variable name="isc.copyright.text">
    <xsl:text>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:variable>

  <xsl:variable name="isc.copyright">
    <xsl:call-template name="isc.copyright.format">
      <xsl:with-param name="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:call-template>
    </xsl:variable>
</xsl:stylesheet>
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1.3080 ncursesbin 6.0+20160213-1ubuntu1

1.3080.1 Available under license:

Upstream source http://invisible-island.net/ncurses/ncurses-examples.html

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

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-- vile: txtmode file-encoding=utf-8
Upstream source http://invisible-island.net/ncurses/ncurses.html
This package is used for testing builds of ncurses.

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

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Files: *
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Files: aclocal.m4 package
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Files: progs/tset.c ncurcurses/tinfo/read_termcap.c
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-- vile: txtmode file-encoding=utf-8
Upstream source http://invisible-island.net/ncurses/ncurses-examples.html

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

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Files: *
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-- $Id: COPYING,v 1.4 2016/01/02 20:24:37 tom Exp $
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currently held by the Free Software Foundation.

This package was put together by Vaidhyanathan G Mayilrangam
<vaidhy@debian.org> and Joel Klecker <esp@debian.org>, using sources
Current versions of the ncurses sources are found at
ftp://invisible-island.net/ncurses/.

It is based somewhat on work done by Bruce Perens <Bruce@Pixar.com>,
David Engel <david@elo.ods.com>, Michael Alan Dorman
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1.3083 b64 4.0.0

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 */
Chai is a BDD / TDD assertion library for [node](http://nodejs.org) and the browser that can be delightfully paired with any javascript testing framework.

For more information or to download plugins, view the [documentation](http://chaijs.com).


### Plugins

Chai offers a robust Plugin architecture for extending Chai's assertions and interfaces.

- Need a plugin? View the [official plugin list](http://chaijs.com/plugins).
- Have a plugin and want it listed? Open a Pull Request at [chaijs/chai-docs:plugin.js](https://github.com/chaijs/chai-docs/blob/master/plugins.js#L1-L12).
- Want to build a plugin? Read the [plugin api documentation](http://chaijs.com/guide/plugins/).
### Related Projects

- [chaijs / assertion-error](https://github.com/chaijs/assertion-error): Custom `Error` constructor thrown upon an assertion failing.
- [chaijs / deep-eql](https://github.com/chaijs/deep-eql): Improved deep equality testing for Node.js and the browser.

### Contributors

project : chai  
repo age : 3 years, 5 months  
active : 244 days  
commits : 900  
files : 59  
authors :

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 */
1.3085 adduser 3.118

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Murdock, Ted Hajek <tedhajek@boombox.micro.umn.edu>, and Sven Rudolph
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Since Nov 27 1996, it was maintained by Guy Maor <maor@debian.org>. He
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Since March 24 2004, it is maintained by Roland Bauerschmidt
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---

1.3086 libunistring 0.9.6+really0.9.3-0.1

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src/base/fthash.c
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in
"src/lib/gssapi", including the following files:

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
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kproplog.c

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1.3092 krb5-libs 1.17-9.el8

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cmd/krb5/iprop/iprop_hdr.h
cmd/krb5/kadmin/server/ipropd_svc.c
cmd/krb5/kproplog/kproplog.c
cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
lib/krb5/kdb/kdb_log.h
lib/libgss/g_accept_sec_context.c
lib/libgss/g_acquire_cred.c
lib/libgss/g_canon_name.c
lib/libgss/g_compare_name.c
lib/libgss/g_context_time.c
lib/libgss/g_delete_sec_context.c
lib/libgss/g_dsp_name.c
lib/libgss/g_dsp_status.c
lib/libgss/g_dup_name.c
lib/libgss/g_exp_sec_context.c
lib/libgss/g_export_name.c
lib/libgss/g_glue.c
lib/libgss/g_imp_name.c
lib/libgss/g_imp_sec_context.c
lib/libgss/g_init_sec_context.c
lib/libgss/g_initialize.c
lib/libgss/g_inquire_context.c
lib/libgss/g_inquire_cred.c
lib/libgss/g_inquire_names.c
lib/libgss/g_process_context.c
lib/libgss/g_rel_buffer.c
lib/libgss/g_rel_cred.c
lib/libgss/g_rel_name.c
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_util.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
```
uts/common/gssapi/include/gssapi_err_generic.h
uts/common/gssapi/include/mechglueP.h

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lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

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
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kproplg.c

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- cmd/krb5/kproplog/kproplog.c
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- 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
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lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
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To make, make sure your Linux kernel is already patched with IPVS and "make menuconfig" or "make xconfig" to setup the right compiling options, see the README of the virtual server patch for detail, then simply type make in the source directory.

Install to your liking. We suggest the following pathnames:
/sbin/ipvsadm
/usr/man/man8/ipvsadm.8
This will be done automatically when calling make install in the source directory.

Wensong Zhang <wensong@linuxvirtualserver.org>
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man/strlepy.3
man/strtonum.3
src/arc4random.c
src/arc4random_openbsd.h
src/arc4random_uniform.c
src/arc4random_unix.h
src/closefrom.c
src/getentropy_aix.c
src/getentropy BSD.c
src/getentropy_hpux.c
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man/explicit_bzero.3
man/fgetln.3
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man/funopen.3bsd
man/getbsize.3
man/heapsort.3
man/nlist.3
man/queue.3bsd
man/radixsort.3
man/reallocarray.3
man/reallocf.3
man/setmode.3
man/strmode.3
man/strnstr.3
man/unvis.3
man/vis.3
man/wcslepy.3
src/getbsize.c
src/heapsort.c
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src/arc4random_unix.h
src/closefrom.c
src/getentropy_aix.c
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src/getentropy_hpux.c
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Version: 1.7.10
Summary: Maglev Agent(1.7.10)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: maglev-appserver (>=1.8.0)
Requires-Dist: requests (>=2.20.1)

Installation
+ Requires : Maglev app server
  requests
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#
1.3121 lodash.clonedee 4.3.2

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1.3126 ehcache-core 2.4.0

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1.3127 wrapt 1.12.1

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1.3132 initramfstoolsbin 0.130ubuntu3.11

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The Debian tree is maintained with "git" at:
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1.3133 Elasticsearch-scripting-painless-spi

6.7.1

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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.cni.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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Calling this script install-sh is preferred over install.sh, to prevent `make' implicit rules from creating a file called install from it when there is no Makefile.

This script is compatible with the BSD install script, but was written from scratch. It can only install one file at a time, a restriction shared with many OS's install programs.

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-- vile: txtmode file-encoding=utf-8
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README for HTML::Tagset

HTML::Tagset

This module contains data tables useful in dealing with HTML.

It provides no functions or methods.

PREREQUISITES

This suite requires Perl 5.

HTML::Tagset doesn't use any nonstandard modules.

INSTALLATION

You install HTML::Tagset, as you would install any perl module library, by running these commands:

perl Makefile.PL
make
make test
make install

If you want to install a private copy of HTML::Tagset in your home directory, then you should try to produce the initial Makefile with something like this command:

perl Makefile.PL LIB=~/.perl

DOCUMENTATION

POD-format documentation is included in Tagset.pm. POD is readable with the 'perldoc' utility. See ChangeLog for recent changes.

MACPERL INSTALLATION NOTES
Don't bother with the makefiles. Just make a HTML directory in your MacPerl site_lib or lib directory, and move Tagset.pm into there.

SUPPORT

Questions, bug reports, and suggestions for HTML::Tagset should just be sent to me at sburke@cpan.org

AVAILABLE

The latest version of HTML::Tagset is available from the Comprehensive Perl Archive Network (CPAN). Visit <http://www.perl.com/CPAN/> to find a CPAN site near you.

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=head1 CAVEATS

You may find it useful to alter the behavior of modules (like C<HTML::Element> or C<HTML::TreeBuilder> that use C<HTML::Tagset>'s data tables by altering the data tables themselves. You are welcome to try, but be careful; and be aware that different modules may or may react differently to the data tables being changed.

Note that it may be inappropriate to use these tables for I<producing> HTML -- for example, C<%isHeadOrBodyElement> lists the tagnames
for all elements that can appear either in the head or in the body, such as "script". That doesn't mean that I am saying your code that produces HTML should feel free to put script elements in either place!
If you are producing programs that spit out HTML, you should be intimately familiar with the DTDs for HTML or XHTML (available at C<http://www.w3.org/>, and you should slavishly obey them, not the data tables in this document.

=head1 SEE ALSO

L<HTML::Element>, L<HTML::TreeBuilder>, L<HTML::LinkExtor>

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=head1 ACKNOWLEDGEMENTS

Most of the code/data in this module was adapted from code written by Gisle Aas for C<HTML::Element>, C<HTML::TreeBuilder>, and C<HTML::LinkExtor>. Then it was maintained by Sean M. Burke.

=head1 AUTHOR

Current maintainer: Andy Lester, C<< <andy at petdance.com> >>

=head1 BUGS

Please report any bugs or feature requests to C<bug-html-tagset at rt.cpan.org>, or through the web interface at L<http://rt.cpan.org/NoAuth/ReportBug.html?Queue=HTML-Tagset>. I will be notified, and then you’ll automatically be notified of progress on your bug as I make changes.
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1.3143 @babel/parser 7.3.4

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3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

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b) Accompany it with a written offer, valid for at least three
years, to give any third party, for a charge no more than your
cost of physically performing source distribution, a complete
machine-readable copy of the corresponding source code, to be
distributed under the terms of Sections 1 and 2 above on a medium
customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is
allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such
an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
control compilation and installation of the executable. However, as a
special exception, the source code distributed need not include
anything that is normally distributed (in either source or binary
form) with the major components (compiler, kernel, and so on) of the
operating system on which the executable runs, unless that component
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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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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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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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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it
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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.

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.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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Appendix: How to Apply These Terms to Your New Libraries

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To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

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Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:
Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com)
 * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
 *
 * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
 * http://www.hypermall.com/
 * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
 *interrupts us (except possibly for removal/insertion of the cable?)
 * 10/4/97 - began heavy inline documentation of the code. Corrected typos
 *and spelling mistakes.
 * 10/5/97 - added code to handle PHY interrupts, disable PHY on
 *loss of link, and correctly re-enable PHY when link is
 *re-established. (put back CFG_PHYIE)
 *
 * Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
 *
 * R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
 *
 * Linux driver for the IDT77201 NICStAR PCI ATM controller.
 * PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
 * see init_nicstar() for PHY initialization to change this. This driver
 * expects the Linux ATM stack to support scatter-gather lists
 * (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
 *
 * Implementing minimal-copy of received data:
 * IDT always receives data into a small buffer, then large buffers
 * as needed. This means that data must always be copied to create
 * the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
 * Fix is simple: make large buffers large enough to hold entire
 * SDU, and leave <small_buffer_data> bytes empty at the start. Then
 * copy small buffer contents to head of large buffer.
 * Trick is to avoid fragmenting Linux, due to need for a lot of large
 * buffers. This is done by 2 things:
 * 1) skb->destructor / skb->atm.recycle_buffer
 * combined, allow nicstar_free_rx_skb to be called to
 * recycle large data buffers
 * 2) skb_clone of received buffers
 * See nicstar_free_rx_skb and linearize_buffer for implementation
 * details.
 */
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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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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

-----

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

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.
1.3155 fs-write-stream-atomic 1.0.8

1.3155.1 Available under license:
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1.3156 binutils-common 2.30

21ubuntu1~18.04.5

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the documentation, and info on specific files will go into an AUTHORS
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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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Whether this is true is especially significant if the work can be
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and:

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1.3157 jackson-datatype-joda 2.4.2

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1.3164 tpm2-tss 4.0.0.0-2
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Python 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 (now Zope
Corporation, see http://www.zope.com). In 2001, the Python Software
Foundation (PSF, see http://www.python.org/psf/) was formed, a
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Mersenne Twister

The `_random` module includes code based on a download from `http://www.math.keio.ac.jp/~matumoto/MT2002/emt19937ar.html`. The following are the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
or init_by_array(init_key, key_length).

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Any feedback is very welcome.
http://www.math.keio.ac.jp/matumoto/emt.html
email: matumoto@math.keio.ac.jp

Sockets
-------

The `socket' module uses the functions, `getaddrinfo', and `getnameinfo', which are coded in separate source files from the WIDE Project, `http://www.wide.ad.jp/about/index.html'.

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UUencode and UUdecode functions
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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
  between ascii and binary. This results in a 1000-fold speedup. The C
  version is still 5 times faster, though.
- Arguments more compliant with python standard

XML Remote Procedure Calls

----------------------------------

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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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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
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
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1.3176 is-descriptor 1.0.2

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1.3181 python-setuptools 51.1.2
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1.3182 maglev-api 1.7.17
1.3182.1 Available under license:

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Metadata-Version: 2.0
Name: maglev-api
Version: 1.7.17
Summary: Maglev API (1.7.17)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: PyYAML (==3.12)
Requires-Dist: monotonic (==1.1)
Requires-Dist: requests (==2.25.1)
# Installation
+ Requires: Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

Found in path(s):
* /opt/cola/permits/1173188806_1624493616.1/0/maglev-api-1.7.17-dist-info-
  zip/inputdir/packages_extracted/targz/1/packages_extracted/3/packages_extracted/3/packages_extracted/94/maglev_
  api-1.7.17.dist-info/METADATA

## 1.3183 pacote 9.5.11

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## 1.3184 sysvinit-utils 2.88dsf 59.10ubuntu1

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This is the Debian GNU/Linux prepackaged version of System V Init.

Init was written by Miquel van Smoorenburg <miquels@cistron.nl>.

This package was first put together by Bruce Perens <Bruce@Pixar.com> from pre-distribution sources. Ian Murdock <imurdock@debian.org> integrated it into the base system maintained it until the end of 1995. Miquel van Smoorenburg <miquels@cistron.nl> implemented Debian support. In version 2.85 the package was split into three (sysvinit, sysv-rc, and initscripts) in order to make room for alternative rc mechanisms.

The upstream source is available at:

Primary-Site:  ftp.cistron.nl/pub/people/miquels/software
               92K sysvinit-2.86.tar.gz
Alternate-Site: sunsite.unc.edu/pub/Linux/system/daemons/init
               92K sysvinit-2.86.tar.gz

Send patches to sysvinit-devel@nongnu.org.

The sysvinit package in Debian is maintained as an alioth project. The project page is http://alien.debian.org/projects/pkg-sysvinit/.

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*
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* 
* Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>,
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This package contains the mechanism for executing the right scripts
in the right order at bootup/shutdown time, and when changing runlevels.
It works through managing symlinks in /etc/rc?.d

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1.3196 libss 1.42.12-2+b1

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1.3199 lodash.isarray 4.0.0

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1.3200 call-me-maybe 1.0.1

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1.3202 fonts-lato 2.0-2

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Lato font family
Lato is a sanserif typeface family designed in the Summer 2010 by Warsaw-based designer ukasz Dziedzic (“Lato” means “Summer” in Polish). In December 2010 the Lato family was published under the open-source Open Font License by his foundry tyPoland, with support from Google. In 2013-2014, the family was greatly extended to cover 2300+ glyphs per style. It now supports 100+ Latin-based languages, 50+ Cyrillic-based languages as well as Greek and IPA phonetics. In the process, the metrics and kerning of the family have been revised and four additional weights were created.

In the last ten or so years, during which ukasz has been designing type, most of his projects were rooted in a particular design task that he needed to solve. With Lato, it was no different. Originally, the family was conceived as a set of corporate fonts for a large client — who in the end decided to go in different stylistic direction, so the family became available for a public release.

When working on Lato, ukasz tried to carefully balance some potentially conflicting priorities. He wanted to create a typeface that would seem quite “transparent” when used in body text but would display some original traits when used in larger sizes. He used classical proportions (particularly visible in the uppercase) to give the letterforms familiar harmony and elegance. At the same time, he created a sleek sanserif look, which makes evident the fact that Lato was designed in 2010 — even though it does not follow any current trend.

The semi-rounded details of the letters give Lato a feeling of warmth, while the strong structure provides stability and seriousness. “Male and female, serious but friendly. With the feeling of the Summer,” says ukasz.

Lato consists of nine weights (plus corresponding italics), including a beautiful hairline style.

CONTENTS:

This folder contains 18 font files in OpenType TT (.ttf) format. You can install these fonts on your computer and use in any desktop applications (such as Word, InDesign, Illustrator, Photoshop, Keynote or Pages).
REVISION LOG:

# Version 2.007 (2014-02-27)
Greatly expanded character set, revised metrics, four additional weights.

# Version 1.104 (2011-11-08)
Merged the distribution again
Autohinted with updated ttfautohint 0.4 (which no longer causes Adobe and iOS problems) except the Hai and Lig weights which are hinted in FLS 5.1.

# Version 1.102 (2011-10-28)
Added OpenType Layout features
Ssplit between desktop and web versions
Desktop version: all weights autohinted with FontLab Studio
Web version autohinted with ttfautohint 0.4 except the Hai and Lig weights

# Version 1.101 (2011-09-30)
Fixed OS/2 table Unicode and codepage entries

# Version 1.100 (2011-09-12)
Added Polish diacritics to the character set
Weights Hai and Lig autohinted with FontLab Studio
Other weights autohinted with ttfautohint 0.3

# Version 1.011 (2010-12-29)
Added the soft hyphen glyph

# Version 1.010 (2010-12-13)
Initial version released under SIL Open Font License
Western character set

================
Found in path(s):
* /opt/cola/permits/1152278336_1618211001.95/0/fonts-lato-2-0-orig-2-tar-xz/fonts-lato-2.0/README.txt
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Requires-Dist: PyJWT (==1.4.0)
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# Installation
+ Requires: Python 3.5 download the dmg and install, use pyenv to create a virtual environment

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1.3219 exim4-base 4.84.2-2+deb8u4
1.3219.1 Available under license :
This is a custom made configuration package for Debian GNU/Linux’s prepackaged version of exim4, a powerful yet easy to configure mail transport agent.

This package was originally made by create-custom-package, a script written by Marc Haber <mh+debian-packages@zugschlus.de> using work provided by Andreas Metzler <ametzler@downhill.at.eu.org>. create-custom-package uses the exim4 source package to build this source package.

The files in this package are free software; you can redistribute them and/or modify them under the terms of the GNU General Public License
This is Debian GNU/Linux's prepackaged version of exim, a powerful yet easy to configure mail transport agent.

This package was put together from the original sources which are maintained by Philip Hazel <ph10@cus.cam.ac.uk>, and which were obtained from

ftp://ftp.csx.cam.ac.uk/pub/software/email/exim/

Some modifications to the Makefiles have been made to fit with the Linux FHS.

The exim content filtering extension, formally known as the exiscan-acl patch, and which is included in exim4-daemon-heavy, was written by Tom Kistner <tom@duncanthrax.net>.

/* Copyright (c) Tom Kistner <tom@duncanthrax.net> 2003-???? */
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Debian Maintainer history:
- The Debian package for exim was originally made by Tim Cutts <timc@chiark.greenend.org.uk>.
- Mark Baker <mbaker@iee.org> took over until exim version 3 and is still involved with packaging.
- Steve Haslam, Hilko Bengen and Marc Haber generated the initial packages of Exim v4.
- The exim4 packages are currently maintained by
  - Core Team
    - (mh) Marc Haber <mh+debian-packages@zugschlus.de> (team leader)
    - (am) Andreas Metzler <ametzler@downhill.at.eu.org> (uploader)
  - Commit Privileges
    - (hb) Hilko Bengen <bengen@debian.org> (documentation, hacks etc)
    - (cb) Christian Perrier <bubulle@debian.org> (translations)

The following people helped in preparing the exim4 packages and gave important feedback:
- Marc Merlin provides the dlopen patch, making it possible to load local_scan-routines for a external shared object.
  The original patch was written by David Woodhouse, it was modified first by Derrick 'dman' Hudson and afterwards by Marc Merlin.
- Sander Smeenk provided the TLS-docs and the script to generate the
self-signed certificates.
- The people on the exim4debian list that submitted bug-reports and -fixes, and helped with design issues: Matthias Klose, Alexander Koch, Ola Lundqvist, Andrew Mulholland, David Pashley, Andreas Piesk, Nick Phillips and whoever I forgot to mention.
- syslog2eximlog script by Martin Godisch.
- Hilko Bengen converted the Debian documentation from plain-text to XML format.

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THE EXIM MAIL TRANSFER AGENT
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The use, supply or promotion of Exim for the purpose of sending bulk, unsolicited electronic mail is incompatible with the basic aims of the program,
which revolve around the free provision of a service that enhances the quality of personal communications. The author of Exim regards indiscriminate mass-mailing as an antisocial, irresponsible abuse of the Internet.

INCORPORATED CODE
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A number of pieces of external code are included in the Exim distribution.

- Support for the cdb (Constant DataBase) lookup method is provided by code contributed by Nigel Metheringham of Planet Online Ltd. which contains the following statements:

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  This code implements Dan Bernstein's Constant DataBase (cdb) spec. Information, the spec and sample code for cdb can be obtained from http://www.pobox.com/~djb/cdb.html. This implementation borrows some code from Dan Bernstein's implementation (which has no license restrictions applied to it).

  The implementation is completely contained within the code of Exim. It does not link against an external cdb library.

- Client support for Microsoft's "Secure Password Authentication" is provided by code contributed by Marc Prud'hommeaux. Server support was contributed by Tom Kistner. This includes code taken from the Samba project, which is released under the Gnu GPL.

- Support for calling the Cyrus "pwcheck" and "saslauthd" daemons is provided by code taken from the Cyrus-SASL library and adapted by Alexander S. Sabourenkov. The permission notice appears below, in accordance with the conditions expressed therein.

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The Exim Monitor program, which is an X-Window application, includes modified versions of the Athena StripChart and TextPop widgets. This code is copyright by DEC and MIT, and their permission notice appears below, in accordance with the conditions expressed therein.

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Some of the code to support the use of maildirsize files for maildir deliveries is taken from the Courier Imapd source code. This code is released under the GPL.

Philip Hazel
University of Cambridge Computing Service,

src/pdkim/*

PDKIM - a RFC4871 (DKIM) implementation
http://duncanthrax.net/pdkim/
Copyright (C) 2009  Tom Kistner <tom@duncanthrax.net>

Includes code from the PolarSSL project.
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This copy of PDKIM is included with Exim. For a standalone distribution, visit http://duncanthrax.net/pdkim/.

License: Both the parts from PolarSSL and the original code are licensed under GPLv2+.

Generating a tarball from CVS snapshot.
Upstream is keeping sourcecode and documentation (including changelog) in separate CVS modules: exim-src and exim-doc. However the release tarball contains parts from both modules.

1. Use exim-src modules as base
2. Generate a doc subdirectory containing the contents of exim-doc/doc-txt/
3. Take exim-doc and build the txt files You will need xfpt, xmlto, docbook-xsl and w3m.
   cd doc-docbook ; make spec.txt filter.txt exim.8
   Copy the three files to exim-version/doc/

1.3220 vim-runtime 2:7.4.488-7+deb8u3

1.3221 iproute 4.3.0-1ubuntu3.16.04.1
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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 Program, 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 Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) 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; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component
itself accompanies the executable.

If distribution of executable or 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 counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

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POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify
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(at your option) any later version.

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You should have received a copy of the GNU General Public License
along with this program; 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.

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
```

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proprietary programs. If your program is a subroutine library, you may
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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

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

```
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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.

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Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain
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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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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283  33553

(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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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.

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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:

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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.

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.
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Appendix: How to Apply These Terms to Your New Libraries

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To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

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school, if any, to sign a "copyright disclaimer" for the library, if
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library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

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1.3244 python-setuptools 19.6.2

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==================================================
Building and Distributing Packages with Setuptools
==================================================

``Setuptools`` is a collection of enhancements to the Python ``distutils`` (for Python 2.6 and up) that allow developers to more easily build and distribute Python packages, especially ones that have dependencies on other packages.

Packages built and distributed using `setuptools` look to the user like ordinary Python packages based on the `distutils`. Your users don't need to install or even know about setuptools in order to use them, and you don't have to include the entire setuptools package in your distributions. By including just a single `bootstrap module` (a 12K .py file), your package will automatically download and install `setuptools` if the user is building your package from source and doesn't have a suitable version already installed.

.. _bootstrap module: https://bootstrap.pypa.io/ez_setup.py

Feature Highlights:

* Automatically find/download/install/upgrade dependencies at build time using the `EasyInstall tool <easy_install.html>`_, which supports downloading via HTTP, FTP, Subversion, and SourceForge, and automatically scans web pages linked from PyPI to find download links. (It's the closest thing to CPAN currently available for Python.)

* Create `Python Eggs <http://peak.telecommunity.com/DevCenter/PythonEggs>`_ - a single-file importable distribution format
* Enhanced support for accessing data files hosted in zipped packages.

* Automatically include all packages in your source tree, without listing them individually in setup.py

* Automatically include all relevant files in your source distributions, without needing to create a `MANIFEST.in` file, and without having to force regeneration of the `MANIFEST` file when your source tree changes.

* Automatically generate wrapper scripts or Windows (console and GUI) .exe files for any number of "main" functions in your project. (Note: this is not a py2exe replacement; the .exe files rely on the local Python installation.)

* Transparent Pyrex support, so that your setup.py can list `.pyx` files and still work even when the end-user doesn't have Pyrex installed (as long as you include the Pyrex-generated C in your source distribution)

* Command aliases - create project-specific, per-user, or site-wide shortcut names for commonly used commands and options

* PyPI upload support - upload your source distributions and eggs to PyPI

* Deploy your project in "development mode", such that it's available on `sys.path`, yet can still be edited directly from its source checkout.

* Easily extend the distutils with new commands or `setup()` arguments, and distribute/reuse your extensions for multiple projects, without copying code.

* Create extensible applications and frameworks that automatically discover extensions, using simple "entry points" declared in a project's setup script.

In addition to the PyPI downloads, the development version of `setuptools` is available from the `Python SVN sandbox`, and in-development versions of the `0.6 branch` are available as well.

.. _0.6 branch: http://svn.python.org/projects/sandbox/branches/setuptools-0.6/#egg=setuptools-dev06

.. _Python SVN sandbox: http://svn.python.org/projects/sandbox/trunk/setuptools/#egg=setuptools-dev

.. contents:: **Table of Contents**

.. _ez_setup.py: `bootstrap module`

Developer's Guide
Installing `setuptools`

Please follow the `EasyInstall Installation Instructions`_ to install the current stable version of setuptools. In particular, be sure to read the section on `Custom Installation Locations`_ if you are installing anywhere other than Python's `site-packages` directory.

.. _EasyInstall Installation Instructions: easy_install.html#installation-instructions

.. _Custom Installation Locations: easy_install.html#custom-installation-locations

If you want the current in-development version of setuptools, you should first install a stable version, and then run:

```bash
    ez_setup.py setuptools==dev
```

This will download and install the latest development (i.e. unstable) version of setuptools from the Python Subversion sandbox.

Basic Use

For basic use of setuptools, just import things from setuptools instead of the `distutils`. Here's a minimal setup script using setuptools:

```python
    from setuptools import setup, find_packages
    setup(  
        name = "HelloWorld",  
        version = "0.1",  
        packages = find_packages(),
    )
```

As you can see, it doesn't take much to use setuptools in a project. Run that script in your project folder, alongside the Python packages you have developed.

Invoke that script to produce eggs, upload to PyPI, and automatically include all packages in the directory where the `setup.py` lives. See the `Command Reference`_ section below to see what commands you can give to this setup script. For example, to produce a source distribution, simply invoke:

```bash
    python setup.py sdist
```

Of course, before you release your project to PyPI, you'll want to add a bit
more information to your setup script to help people find or learn about your project. And maybe your project will have grown by then to include a few dependencies, and perhaps some data files and scripts:

```python
from setuptools import setup, find_packages
setup(
    name = "HelloWorld",
    version = "0.1",
    packages = find_packages(),
    scripts = ['say_hello.py'],

    # Project uses reStructuredText, so ensure that the docutils get
    # installed or upgraded on the target machine
    install_requires = ['docutils>=0.3'],

    package_data = {
        # If any package contains *.txt or *.rst files, include them:
        '*': ['*.txt', '*.rst'],
        # And include any *.msg files found in the 'hello' package, too:
        'hello': ['*.msg'],
    },

    # metadata for upload to PyPI
    author = "Me",
    author_email = "me@example.com",
    description = "This is an Example Package",
    license = "PSF",
    keywords = 'hello world example examples',
    url = "http://example.com/HelloWorld/",  # project home page, if any

    # could also include long_description, download_url, classifiers, etc.
)
```

In the sections that follow, we'll explain what most of these `setup()` arguments do (except for the metadata ones), and the various ways you might use them in your own project(s).

Specifying Your Project's Version
---------------------------------

Setuptools can work well with most versioning schemes; there are, however, a few special things to watch out for, in order to ensure that setuptools and EasyInstall can always tell what version of your package is newer than another version. Knowing these things will also help you correctly specify what versions of other projects your project depends on.

A version consists of an alternating series of release numbers and pre-release
or post-release tags. A release number is a series of digits punctuated by dots, such as ``2.4`` or ``0.5``. Each series of digits is treated numerically, so releases ``2.1`` and ``2.1.0`` are different ways to spell the same release number, denoting the first subrelease of release 2. But ``2.10`` is the *tenth* subrelease of release 2, and so is a different and newer release from ``2.1`` or ``2.1.0``. Leading zeros within a series of digits are also ignored, so ``2.01`` is the same as ``2.1``, and different from ``2.0.1``.

Following a release number, you can have either a pre-release or post-release tag. Pre-release tags make a version be considered *older* than the version they are appended to. So, revision ``2.4`` is *newer* than revision ``2.4c1``, which in turn is newer than ``2.4b1`` or ``2.4a1``. Postrelease tags make a version be considered *newer* than the version they are appended to. So, revisions like ``2.4-1`` and ``2.4pl3`` are newer than ``2.4``, but are *older* than ``2.4c1`` (which has a higher release number).

A pre-release tag is a series of letters that are alphabetically before "final". Some examples of prerelease tags would include ``alpha``, ``beta``, ``a``, ``c``, and so on. You do not have to place a dot or dash before the prerelease tag if it's immediately after a number, but it's okay to do so if you prefer. Thus, ``2.4c1`` and ``2.4-c1`` and ``2.4-c1`` all represent release candidate 1 of version ``2.4``, and are treated as identical by setuptools.

In addition, there are three special prerelease tags that are treated as if they were the letter ''c'': ''pre'', ''preview'', and ''rc''. So, version ``2.4r1c1'' and ``2.4pre1c1'' and ``2.4preview1c1'' are all the exact same version as ``2.4c1'', and are treated as identical by setuptools.

A post-release tag is either a series of letters that are alphabetically greater than or equal to "final", or a dash (``-``). Post-release tags are generally used to separate patch numbers, port numbers, build numbers, revision numbers, or date stamps from the release number. For example, the version ``2.4-rc1263`` might denote Subversion revision 1263 of a post-release patch of version ``2.4``. Or you might use ``2.4-20051127`` to denote a date-stamped post-release.

Notice that after each pre or post-release tag, you are free to place another release number, followed again by more pre- or post-release tags. For example, ``0.6a9.dev-r41475`` could denote Subversion revision 41475 of the in-development version of the ninth alpha of release 0.6. Notice that ``dev`` is a pre-release tag, so this version is a *lower* version number than ``0.6a9``, which would be the actual ninth alpha of release 0.6. But the ``-r41475`` is a post-release tag, so this version is *newer* than ``0.6a9.dev``.

For the most part, setuptools' interpretation of version numbers is intuitive, but here are a few tips that will keep you out of trouble in the corner cases:
* Don't stick adjoining pre-release tags together without a dot or number between them. Version `1.9a.dev` is the `adev` prerelease of `1.9`, *not* a development pre-release of `1.9a`. Use `1.9a.dev` instead, as in `1.9a.dev`, or separate the prerelease tags with a number, as in `1.9a0dev`, `1.9a.dev`, `1.9a0dev`, and even `1.9.a.dev` are identical versions from setuptools' point of view, so you can use whatever scheme you prefer.

* If you want to be certain that your chosen numbering scheme works the way you think it will, you can use the `pkg_resources.parse_version()` function to compare different version numbers::

```python
>>> from pkg_resources import parse_version
>>> parse_version('1.9.a.dev') == parse_version('1.9a0dev')
True
>>> parse_version('2.1-rc2') < parse_version('2.1')
True
>>> parse_version('0.6a9dev-r41475') < parse_version('0.6a9')
True
```

Once you've decided on a version numbering scheme for your project, you can have setuptools automatically tag your in-development releases with various pre- or post-release tags. See the following sections for more details:

* `Tagging and "Daily Build" or "Snapshot" Releases`
  * `Managing "Continuous Releases" Using Subversion`
  * The `egg_info` command

New and Changed `setup()` Keywords
====================================

The following keyword arguments to `setup()` are added or changed by setuptools. All of them are optional; you do not have to supply them unless you need the associated setuptools feature.

`include_package_data`
If set to `True`, this tells setuptools to automatically include any data files it finds inside your package directories, that are either under CVS or Subversion control, or which are specified by your `MANIFEST.in` file. For more information, see the section below on `Including Data Files`.

`exclude_package_data`
A dictionary mapping package names to lists of glob patterns that should be excluded from your package directories. You can use this to trim back any excess files included by `include_package_data`. For a complete description and examples, see the section below on `Including Data Files`.
``package_data``
A dictionary mapping package names to lists of glob patterns. For a complete description and examples, see the section below on 'Including Data Files'_. You do not need to use this option if you are using ``include_package_data``, unless you need to add e.g. files that are generated by your setup script and build process. (And are therefore not in source control or are files that you don’t want to include in your source distribution.)

``zip_safe``
A boolean (True or False) flag specifying whether the project can be safely installed and run from a zip file. If this argument is not supplied, the ``bdist_egg`` command will have to analyze all of your project's contents for possible problems each time it builds an egg.

``install_requires``
A string or list of strings specifying what other distributions need to be installed when this one is. See the section below on 'Declaring Dependencies' for details and examples of the format of this argument.

``entry_points``
A dictionary mapping entry point group names to strings or lists of strings defining the entry points. Entry points are used to support dynamic discovery of services or plugins provided by a project. See `Dynamic Discovery of Services and Plugins` for details and examples of the format of this argument. In addition, this keyword is used to support `Automatic Script Creation`.

``extras_require``
A dictionary mapping names of "extras" (optional features of your project) to strings or lists of strings specifying what other distributions must be installed to support those features. See the section below on 'Declaring Dependencies' for details and examples of the format of this argument.

``setup_requires``
A string or list of strings specifying what other distributions need to be present in order for the *setup script* to run. ``setuptools`` will attempt to obtain these (even going so far as to download them using `EasyInstall`) before processing the rest of the setup script or commands. This argument is needed if you are using distutils extensions as part of your build process; for example, extensions that process setup() arguments and turn them into EGG-INFO metadata files.

(Note: projects listed in ``setup_requires`` will NOT be automatically installed on the system where the setup script is being run. They are simply downloaded to the `.eggs` directory if they're not locally available already. If you want them to be installed, as well as being available
when the setup script is run, you should add them to `install_requires`
**and** `setup_requires`).

``dependency_links``
A list of strings naming URLs to be searched when satisfying dependencies. These links will be used if needed to install packages specified by `setup_requires` or `tests_require`. They will also be written into the egg's metadata for use by tools like EasyInstall to use when installing an `.egg` file.

``namespace_packages``
A list of strings naming the project's "namespace packages". A namespace package is a package that may be split across multiple project distributions. For example, Zope 3's `zope` package is a namespace package, because subpackages like `zope.interface` and `zope.publisher` may be distributed separately. The egg runtime system can automatically merge such subpackages into a single parent package at runtime, as long as you declare them in each project that contains any subpackages of the namespace package, and as long as the namespace package's `__init__.py` does not contain any code other than a namespace declaration. See the section below on `Namespace Packages` for more information.

``test_suite``
A string naming a `unittest.TestCase` subclass (or a package or module containing one or more of them, or a method of such a subclass), or naming a function that can be called with no arguments and returns a `unittest.TestSuite`. If the named suite is a module, and the module has an `additional_tests()` function, it is called and the results are added to the tests to be run. If the named suite is a package, any submodules and subpackages are recursively added to the overall test suite.

Specifying this argument enables use of the `test` command to run the specified test suite, e.g. via `setup.py test`. See the section on the `test` command below for more details.

``tests_require``
If your project's tests need one or more additional packages besides those needed to install it, you can use this option to specify them. It should be a string or list of strings specifying what other distributions need to be present for the package's tests to run. When you run the `test` command, `setuptools` will attempt to obtain these (even going so far as to download them using `EasyInstall`). Note that these required projects will *not* be installed on the system where the tests are run, but only downloaded to the project's setup directory if they're not already installed locally.
``test_loader``
If you would like to use a different way of finding tests to run than what
setuptools normally uses, you can specify a module name and class name in
this argument. The named class must be instantiable with no arguments, and
its instances must support the ``loadTestsFromNames()`` method as defined
in the Python ``unittest`` module's ``TestLoader`` class. Setuptools will
pass only one test "name" in the 'names' argument: the value supplied for
the "test_suite" argument. The loader you specify may interpret this
string in any way it likes, as there are no restrictions on what may be
contained in a "test_suite" string.

The module name and class name must be separated by a `:`. The default
value of this argument is `"setuptools.command.test:ScanningLoader"`. If
you want to use the default `unittest` behavior, you can specify
`"unittest:TestLoader"` as your `test_loader` argument instead. This
will prevent automatic scanning of submodules and subpackages.

The module and class you specify here may be contained in another package,
as long as you use the `tests_require` option to ensure that the package
containing the loader class is available when the `test` command is run.

``eager_resources``
A list of strings naming resources that should be extracted together, if
any of them is needed, or if any C extensions included in the project are
imported. This argument is only useful if the project will be installed as
a zipfile, and there is a need to have all of the listed resources be
extracted to the filesystem *as a unit*. Resources listed here
should be `/`-separated paths, relative to the source root, so to list a
resource `foo.png` in package `bar/baz`, you would include the string
`bar/baz/foo.png` in this argument.

If you only need to obtain resources one at a time, or you don't have any C
extensions that access other files in the project (such as data files or
shared libraries), you probably do NOT need this argument and shouldn't
mess with it. For more details on how this argument works, see the section
below on `Automatic Resource Extraction`.

``use_2to3``
Convert the source code from Python 2 to Python 3 with 2to3 during the
build process. See :doc:`python3` for more details.

``convert_2to3_doctests``
List of doctest source files that need to be converted with 2to3.
See :doc:`python3` for more details.

``use_2to3_fixers``
A list of modules to search for additional fixers to be used during
the 2to3 conversion. See :doc:`python3` for more details.
Using `find_packages()`
-------------------------

For simple projects, it's usually easy enough to manually add packages to the `packages` argument of `setup()`. However, for very large projects (Twisted, PEAK, Zope, Chandler, etc.), it can be a big burden to keep the package list updated. That's what `setuptools.find_packages()` is for.

`find_packages()` takes a source directory and two lists of package name patterns to exclude and include. If omitted, the source directory defaults to the same directory as the setup script. Some projects use a `src` or `lib` directory as the root of their source tree, and those projects would of course use `"src"` or `"lib"` as the first argument to `find_packages()`. (And such projects also need something like `package_dir = {"":'src'}` in their `setup()` arguments, but that's just a normal distutils thing.)

Anyway, `find_packages()` walks the target directory, filtering by inclusion patterns, and finds Python packages (any directory). On Python 3.2 and earlier, packages are only recognized if they include an `__init__.py` file. Finally, exclusion patterns are applied to remove matching packages.

Inclusion and exclusion patterns are package names, optionally including wildcards. For example, `find_packages(exclude=['*.tests'])` will exclude all packages whose last name part is `tests`. Or, `find_packages(exclude=['*.tests', '*.tests.*'])` will also exclude any subpackages of packages named `tests`, but it still won't exclude a top-level `tests` package or the children thereof. In fact, if you really want no `tests` packages at all, you'll need something like this:

```python
find_packages(exclude=['*.tests', '*.tests.*', 'tests.*', 'tests'])
```

in order to cover all the bases. Really, the exclusion patterns are intended to cover simpler use cases than this, like excluding a single, specified package and its subpackages.

Regardless of the parameters, the `find_packages()` function returns a list of package names suitable for use as the `packages` argument to `setup()`, and so is usually the easiest way to set that argument in your setup script. Especially since it frees you from having to remember to modify your setup script whenever your project grows additional top-level packages or subpackages.

Automatic Script Creation
Packaging and installing scripts can be a bit awkward with the distutils. For one thing, there's no easy way to have a script's filename match local conventions on both Windows and POSIX platforms. For another, you often have to create a separate file just for the "main" script, when your actual "main" is a function in a module somewhere. And even in Python 2.4, using the ``-m`` option only works for actual `".py`` files that aren't installed in a package.

``setuptools`` fixes all of these problems by automatically generating scripts for you with the correct extension, and on Windows it will even create an `".exe`` file so that users don't have to change their `"PATHEXT`` settings. The way to use this feature is to define "entry points" in your setup script that indicate what function the generated script should import and run. For example, to create two console scripts called `"foo`` and `"bar``, and a GUI script called `"baz``, you might do something like this::

```python
setup(
    # other arguments here...
    entry_points={
        'console_scripts': [
            'foo = my_package.some_module:main_func',
            'bar = other_module:some_func',
        ],
        'gui_scripts': [
            'baz = my_package_gui:start_func',
        ]
    }
)
```

When this project is installed on non-Windows platforms (using "setup.py install", "setup.py develop", or by using EasyInstall), a set of `"foo``, `"bar`` and `"baz`` scripts will be installed that import `"main_func`` and `"some_func`` from the specified modules. The functions you specify are called with no arguments, and their return value is passed to `"sys.exit\)`` so you can return an errorlevel or message to print to stderr.

On Windows, a set of `"foo.exe``, `"bar.exe`` and `"baz.exe`` launchers are created, alongside a set of `"foo.py``, `"bar.py`` and `"baz.pyw`` files. The `".exe`` wrappers find and execute the right version of Python to run the `".py`` or `".pyw`` file.

You may define as many "console script" and "gui script" entry points as you like, and each one can optionally specify "extras" that it depends on, that will be added to `"sys.path`` when the script is run. For more information on "extras", see the section below on "Declaring Extras". For more information on "entry points" in general, see the section below on "Dynamic Discovery of Services and Plugins".
"Eggsecutable" Scripts
---------------------

Occasionally, there are situations where it's desirable to make an `.egg` file directly executable. You can do this by including an entry point such as the following::

```python
setup(
    # other arguments here...
    entry_points = {
        'setuptools.installation': [
            'eggsecutable = my_package.some_module:main_func',
        ],
    }
)
```

Any eggs built from the above setup script will include a short executable prelude that imports and calls `main_func()` from `my_package.some_module`. The prelude can be run on Unix-like platforms (including Mac and Linux) by invoking the egg with `/bin/sh`, or by enabling execute permissions on the `.egg` file. For the executable prelude to run, the appropriate version of Python must be available via the `PATH` environment variable, under its "long" name. That is, if the egg is built for Python 2.3, there must be a `python2.3` executable present in a directory on `PATH`.

This feature is primarily intended to support ez_setup the installation of setuptools itself on non-Windows platforms, but may also be useful for other projects as well.

IMPORTANT NOTE: Eggs with an "eggsecutable" header cannot be renamed, or invoked via symlinks. They *must* be invoked using their original filename, in order to ensure that, once running, `pkg_resources` will know what project and version is in use. The header script will check this and exit with an error if the `.egg` file has been renamed or is invoked via a symlink that changes its base name.

Declaring Dependencies
----------------------

``setuptools`` supports automatically installing dependencies when a package is installed, and including information about dependencies in Python Eggs (so that package management tools like EasyInstall can use the information).

``setuptools`` and `pkg_resources` use a common syntax for specifying a project's required dependencies. This syntax consists of a project's PyPI
name, optionally followed by a comma-separated list of "extras" in square brackets, optionally followed by a comma-separated list of version specifiers. A version specifier is one of the operators `"<", "">", "<="`, `">="`, `"=="` or `"!="`, followed by a version identifier. Tokens may be separated by whitespace, but any whitespace or nonstandard characters within a project name or version identifier must be replaced with `"-"`.

Version specifiers for a given project are internally sorted into ascending version order, and used to establish what ranges of versions are acceptable. Adjacent redundant conditions are also consolidated (e.g. `">1, >2"` becomes `">1"`, and `"<2, <3"` becomes `"<3"`). `"!="` versions are excised from the ranges they fall within. A project's version is then checked for membership in the resulting ranges. (Note that providing conflicting conditions for the same version (e.g. `"<2, >=2"` or `"==2, !=2"`) is meaningless and may therefore produce bizarre results.)

Here are some example requirement specifiers:

```
    docutils >= 0.3
    # comment lines and \ continuations are allowed in requirement strings
    BazSpam ==1.1, ==1.2, ==1.3, ==1.4, ==1.5, \
    ==1.6, ==1.7 # and so are line-end comments
    PEAK[FastCGI, reST]>=0.5a4
    setuptools==0.5a7
```

The simplest way to include requirement specifiers is to use the `install_requires` argument to `setup()`. It takes a string or list of strings containing requirement specifiers. If you include more than one requirement in a string, each requirement must begin on a new line.

This has three effects:

1. When your project is installed, either by using EasyInstall, `setup.py install`, or `setup.py develop`, all of the dependencies not already installed will be located (via PyPI), downloaded, built (if necessary), and installed.

2. Any scripts in your project will be installed with wrappers that verify the availability of the specified dependencies at runtime, and ensure that the correct versions are added to `sys.path` (e.g. if multiple versions have been installed).

3. Python Egg distributions will include a metadata file listing the dependencies.
Note, by the way, that if you declare your dependencies in `setup.py`, you do *not* need to use the `require()` function in your scripts or modules, as long as you either install the project or use `setup.py develop` to do development work on it. (See "Development Mode" below for more details on using `setup.py develop`.)

Dependencies that aren't in PyPI
--------------------------------

If your project depends on packages that aren't registered in PyPI, you may still be able to depend on them, as long as they are available for download as:

- an egg, in the standard distutils `sdist` format,
- a single `py` file, or
- a VCS repository (Subversion, Mercurial, or Git).

You just need to add some URLs to the `dependency_links` argument to `setup()`.

The URLs must be either:

1. direct download URLs,
2. the URLs of web pages that contain direct download links, or
3. the repository's URL.

In general, it's better to link to web pages, because it is usually less complex to update a web page than to release a new version of your project. You can also use a SourceForge `showfiles.php` link in the case where a package you depend on is distributed via SourceForge.

If you depend on a package that's distributed as a single `py` file, you must include an `#egg=project-version` suffix to the URL, to give a project name and version number. (Be sure to escape any dashes in the name or version by replacing them with underscores.) EasyInstall will recognize this suffix and automatically create a trivial `setup.py` to wrap the single `py` file as an egg.

In the case of a VCS checkout, you should also append `#egg=project-version` in order to identify for what package that checkout should be used. You can append `@REV` to the URL's path (before the fragment) to specify a revision. Additionally, you can also force the VCS being used by prepending the URL with a certain prefix. Currently available are:

- `svn+URL` for Subversion,
- `git+URL` for Git, and
- `hg+URL` for Mercurial
A more complete example would be:

```
``vcs+proto://host/path@revision#egg=project-version``

Be careful with the version. It should match the one inside the project files. If you want to disregard the version, you have to omit it both in the `\texttt{\textasciitilde requires}\texttt{\textasciitilde}` and in the URL's fragment.

This will do a checkout (or a clone, in Git and Mercurial parlance) to a temporary folder and run `\texttt{\textasciitilde\texttt{\textasciitilde setup.py bdist_egg\texttt{\textasciitilde}}}`.

The `\texttt{\textasciitilde dependency_links\texttt{\textasciitilde}}` option takes the form of a list of URL strings. For example, the below will cause EasyInstall to search the specified page for eggs or source distributions, if the package's dependencies aren't already installed:

```python
setup(
    ...
    dependency_links = [
        "http://peak.telecommunity.com/snapshots/"
    ],
)
```

.. _Declaring Extras:

Declaring "Extras" (optional features with their own dependencies)
=====================================================================

Sometimes a project has "recommended" dependencies, that are not required for all uses of the project. For example, a project might offer optional PDF output if ReportLab is installed, and reStructuredText support if docutils is installed. These optional features are called "extras", and setuptools allows you to define their requirements as well. In this way, other projects that require these optional features can force the additional requirements to be installed, by naming the desired extras in their `\texttt{\textasciitilde install\_requires\texttt{\textasciitilde}}`.

For example, let's say that Project A offers optional PDF and reST support::

```python
setup(
    name="Project-A",
    ...
    extras_require = {
        'PDF': ['ReportLab>=1.2', 'RXP'],
        'reST': ['docutils>=0.3'],
    }
)
As you can see, the `extras_require` argument takes a dictionary mapping names of "extra" features, to strings or lists of strings describing those features' requirements. These requirements will *not* be automatically installed unless another package depends on them (directly or indirectly) by including the desired "extras" in square brackets after the associated project name. (Or if the extras were listed in a requirement spec on the EasyInstall command line.)

Extras can be used by a project's `entry_points` to specify dynamic dependencies. For example, if Project A includes a "rst2pdf" script, it might declare it like this, so that the "PDF" requirements are only resolved if the "rst2pdf" script is run::

    setup(
        name="Project-A",
        ...
        entry_points = {
            'console_scripts': [
                'rst2pdf = project_a.tools.pdfgen [PDF]',
                'rst2html = project_a.tools.htmlgen',
                # more script entry points ...
            ],
        },
    )

Projects can also use another project's extras when specifying dependencies. For example, if project B needs "project A" with PDF support installed, it might declare the dependency like this::

    setup(
        name="Project-B",
        install_requires = ['Project-A[PDF]'],
        ...
    )

This will cause ReportLab to be installed along with project A, if project B is installed -- even if project A was already installed. In this way, a project can encapsulate groups of optional "downstream dependencies" under a feature name, so that packages that depend on it don't have to know what the downstream dependencies are. If a later version of Project A builds in PDF support and no longer needs ReportLab, or if it ends up needing other dependencies besides ReportLab in order to provide PDF support, Project B's setup information does not need to change, but the right packages will still be installed if needed.

Note, by the way, that if a project ends up not needing any other packages to support a feature, it should keep an empty requirements list for that feature
in its `'extras_require`' argument, so that packages depending on that feature don't break (due to an invalid feature name). For example, if Project A above builds in PDF support and no longer needs ReportLab, it could change its setup to this:

```python
setup(
    name="Project-A",
    ...
    extras_require = {
        'PDF': [],
        'reST': ['docutils>=0.3'],
    }
)
```

so that Package B doesn't have to remove the `'[PDF]'` from its requirement specifier.

Including Data Files
====================

The distutils have traditionally allowed installation of "data files", which are placed in a platform-specific location. However, the most common use case for data files distributed with a package is for use *by* the package, usually by including the data files in the package directory.

Setuptools offers three ways to specify data files to be included in your packages. First, you can simply use the `'include_package_data'` keyword, e.g.::

```python
from setuptools import setup, find_packages
setup(
    ...
    include_package_data = True
)
```

This tells setuptools to install any data files it finds in your packages. The data files must be under CVS or Subversion control, or else they must be specified via the distutils' `MANIFEST.in` file. (They can also be tracked by another revision control system, using an appropriate plugin. See the section below on `Adding Support for Other Revision Control Systems` for information on how to write such plugins.)

If the data files are not under version control, or are not in a supported version control system, or if you want finer-grained control over what files are included (for example, if you have documentation files in your package directories and want to exclude them from installation), then you can also use the `package_data` keyword, e.g.::

```python
from setuptools import setup, find_packages
setup(
    ...
    package_data = {'': ['data/*']
```
from setuptools import setup, find_packages

setup(
...
    package_data = {
        # If any package contains *.txt or *.rst files, include them:
        '': ['*.txt', '*.rst'],
        # And include any *.msg files found in the 'hello' package, too:
        'hello': ['*.msg'],
    }
)
)

The ``package_data`` argument is a dictionary that maps from package names to lists of glob patterns. The globs may include subdirectory names, if the data files are contained in a subdirectory of the package. For example, if the package tree looks like this:

```ini
setup.py
src/
    mypkg/
        __init__.py
        mypkg.txt
    data/
        somefile.dat
        otherdata.dat
```

The setuptools setup file might look like this:

```python
from setuptools import setup, find_packages

setup(
...
    packages = find_packages('src'),  # include all packages under src
    package_dir = {'': 'src'},  # tell distutils packages are under src

    package_data = {
        # If any package contains *.txt files, include them:
        '': ['*.txt'],
        # And include any *.dat files found in the 'data' subdirectory
        # of the 'mypkg' package, also:
        'mypkg': ['data/*.dat'],
    }
)
)
```

Notice that if you list patterns in ``package_data`` under the empty string, these patterns are used to find files in every package, even ones that also have their own patterns listed. Thus, in the above example, the ``mypkg.txt`` file gets included even though it's not listed in the patterns for ``mypkg``.
Also notice that if you use paths, you *must* use a forward slash (`/`) as the path separator, even if you are on Windows. Setuptools automatically converts slashes to appropriate platform-specific separators at build time.

(Note: although the `package_data` argument was previously only available in setuptools, it was also added to the Python `distutils` package as of Python 2.4; there is some documentation for the feature available on the python.org website. If using the setuptools-specific `include_package_data` argument, files specified by `package_data` will *not* be automatically added to the manifest unless they are tracked by a supported version control system, or are listed in the MANIFEST.in file.)

http://docs.python.org/dist/node11.html

Sometimes, the `include_package_data` or `package_data` options alone aren’t sufficient to precisely define what files you want included. For example, you may want to include package README files in your revision control system and source distributions, but exclude them from being installed. So, setuptools offers an `exclude_package_data` option as well, that allows you to do things like this:

```python
from setuptools import setup, find_packages
setup(
    ...  
    packages = find_packages('src'),  # include all packages under src  
    package_dir = {'':'src'},   # tell distutils packages are under src  
    include_package_data = True,    # include everything in source control  

    # ...but exclude README.txt from all packages  
    exclude_package_data = { "": ["README.txt"] },
)
```

The `exclude_package_data` option is a dictionary mapping package names to lists of wildcard patterns, just like the `package_data` option. And, just as with that option, a key of `''` will apply the given pattern(s) to all packages. However, any files that match these patterns will be excluded from installation, even if they were listed in `package_data` or were included as a result of using `include_package_data`.

In summary, the three options allow you to:

```
``include_package_data``
  Accept all data files and directories matched by `MANIFEST.in` or found in source control.

``package_data``
  Specify additional patterns to match files and directories that may or may
not be matched by `MANIFEST.in` or found in source control.

``exclude_package_data``

Specify patterns for data files and directories that should *not* be included when a package is installed, even if they would otherwise have been included due to the use of the preceding options.

NOTE: Due to the way the distutils build process works, a data file that you include in your project and then stop including may be "orphaned" in your project's build directories, requiring you to run `setup.py clean --all` to fully remove them. This may also be important for your users and contributors if they track intermediate revisions of your project using Subversion; be sure to let them know when you make changes that remove files from inclusion so they can run `setup.py clean --all`.

Accessing Data Files at Runtime

-------------------------------

Typically, existing programs manipulate a package's `__file__` attribute in order to find the location of data files. However, this manipulation isn't compatible with PEP 302-based import hooks, including importing from zip files and Python Eggs. It is strongly recommended that, if you are using data files, you should use the `Resource Management API` of `pkg_resources` to access them. The `pkg_resources` module is distributed as part of setuptools, so if you're using setuptools to distribute your package, there is no reason not to use its resource management API. See also `Accessing Package Resources` for a quick example of converting code that uses `__file__` to use `pkg_resources` instead.

.. _Resource Management API: http://peak.telecommunity.com/DevCenter/PythonEggs#resource-management
.. _Accessing Package Resources: http://peak.telecommunity.com/DevCenter/PythonEggs#accessing-package-resources

Non-Package Data Files

----------------------

The `distutils` normally install general "data files" to a platform-specific location (e.g. `/usr/share`). This feature intended to be used for things like documentation, example configuration files, and the like. `setuptools` does not install these data files in a separate location, however. They are bundled inside the egg file or directory, alongside the Python modules and packages. The data files can also be accessed using the `Resource Management API`, by specifying a `Requirement` instead of a package name::

```
from pkg_resources import Requirement, resource_filename
filename = resource_filename(Requirement.parse("MyProject"),"sample.conf")
```
The above code will obtain the filename of the "sample.conf" file in the data root of the "MyProject" distribution.

Note, by the way, that this encapsulation of data files means that you can't actually install data files to some arbitrary location on a user's machine; this is a feature, not a bug. You can always include a script in your distribution that extracts and copies your documentation or data files to a user-specified location, at their discretion. If you put related data files in a single directory, you can use `resource_filename()` with the directory name to get a filesystem directory that can be copied with the `shutil` module. (Even if your package is installed as a zip file, calling `resource_filename()` on a directory will return an actual filesystem directory, whose contents will be that entire subtree of your distribution.)

(Of course, if you're writing a new package, you can just as easily place your data files or directories inside one of your packages, rather than using the distutils' approach. However, if you're updating an existing application, it may be simpler not to change the way it currently specifies these data files.)

### Automatic Resource Extraction

If you are using tools that expect your resources to be "real" files, or your project includes non-extension native libraries or other files that your C extensions expect to be able to access, you may need to list those files in the `eager_resources` argument to `setup()`, so that the files will be extracted together, whenever a C extension in the project is imported.

This is especially important if your project includes shared libraries *other* than distutils-built C extensions, and those shared libraries use file extensions other than `.dll`, `.so`, or `.dylib`, which are the extensions that setuptools 0.6a8 and higher automatically detects as shared libraries and adds to the `native_libs.txt` file for you. Any shared libraries whose names do not end with one of those extensions should be listed as `eager_resources`, because they need to be present in the filesystem when the C extensions that link to them are used.

The `pkg_resources` runtime for compressed packages will automatically extract *all* C extensions and `eager_resources` at the same time, whenever *any* C extension or eager resource is requested via the `resource_filename()` API. (C extensions are imported using `resource_filename()` internally.) This ensures that C extensions will see all of the "real" files that they expect to see.

Note also that you can list directory resource names in `eager_resources` as well, in which case the directory's contents (including subdirectories) will be
extracted whenever any C extension or eager resource is requested.

Please note that if you're not sure whether you need to use this argument, you
don't! It's really intended to support projects with lots of non-Python
dependencies and as a last resort for crufty projects that can't otherwise
handle being compressed. If your package is pure Python, Python plus data
files, or Python plus C, you really don't need this. You've got to be using
either C or an external program that needs "real" files in your project before
there's any possibility of `eager_resources` being relevant to your project.

Extensible Applications and Frameworks
======================================

.. _Entry Points:

Dynamic Discovery of Services and Plugins
------------------------------------------
``setuptools`` supports creating libraries that "plug in" to extensible
applications and frameworks, by letting you register "entry points" in your
project that can be imported by the application or framework.

For example, suppose that a blogging tool wants to support plugins
that provide translation for various file types to the blog's output format.
The framework might define an "entry point group" called `blogtool.parsers`,
and then allow plugins to register entry points for the file extensions they
support.

This would allow people to create distributions that contain one or more
parsers for different file types, and then the blogging tool would be able to
find the parsers at runtime by looking up an entry point for the file
extension (or mime type, or however it wants to).

Note that if the blogging tool includes parsers for certain file formats, it
can register these as entry points in its own setup script, which means it
doesn't have to special-case its built-in formats. They can just be treated
the same as any other plugin's entry points would be.

If you're creating a project that plugs in to an existing application or
framework, you'll need to know what entry points or entry point groups are
defined by that application or framework. Then, you can register entry points
in your setup script. Here are a few examples of ways you might register an
`.rst` file parser entry point in the `blogtool.parsers` entry point group,
for our hypothetical blogging tool:~

    setup(
The `entry_points` argument to `setup()` accepts either a string with `.ini`-style sections, or a dictionary mapping entry point group names to either strings or lists of strings containing entry point specifiers. An entry point specifier consists of a name and value, separated by an `=` sign. The value consists of a dotted module name, optionally followed by a `:` and a dotted identifier naming an object within the module. It can also include a bracketed list of "extras" that are required for the entry point to be used. When the invoking application or framework requests loading of an entry point, any requirements implied by the associated extras will be passed to `pkg_resources.require()`, so that an appropriate error message can be displayed if the needed package(s) are missing. (Of course, the invoking app or framework can ignore such errors if it wants to make an entry point optional if a requirement isn't installed.)

Defining Additional Metadata
----------------------------

Some extensible applications and frameworks may need to define their own kinds of metadata to include in eggs, which they can then access using the `pkg_resources` metadata APIs. Ordinarily, this is done by having plugin developers include additional files in their `ProjectName.egg-info` directory. However, since it can be tedious to create such files by hand, you may want to create a distutils extension that will create the necessary files from arguments to `setup()`, in much the same way that `setuptools` does for many of the `setup()` arguments it adds. See the section below on `Creating distutils Extensions` for more details, especially the subsection on `Adding new EGG-INFO Files`.
"Development Mode"
==================
Under normal circumstances, the `distutils` assume that you are going to build a distribution of your project, not use it in its "raw" or "unbuilt" form. If you were to use the `distutils` that way, you would have to rebuild and reinstall your project every time you made a change to it during development.

Another problem that sometimes comes up with the `distutils` is that you may need to do development on two related projects at the same time. You may need to put both projects' packages in the same directory to run them, but need to keep them separate for revision control purposes. How can you do this?

Setuptools allows you to deploy your projects for use in a common directory or staging area, but without copying any files. Thus, you can edit each project's code in its checkout directory, and only need to run build commands when you change a project's C extensions or similarly compiled files. You can even deploy a project into another project's checkout directory, if that's your preferred way of working (as opposed to using a common independent staging area or the site-packages directory).

To do this, use the `setup.py develop` command. It works very similarly to `setup.py install` or the EasyInstall tool, except that it doesn't actually install anything. Instead, it creates a special `.egg-link` file in the deployment directory, that links to your project's source code. And, if your deployment directory is Python's `site-packages` directory, it will also update the `easy-install.pth` file to include your project's source code, thereby making it available on `sys.path` for all programs using that Python installation.

If you have enabled the `use_2to3` flag, then of course the `.egg-link` will not link directly to your source code when run under Python 3, since that source code would be made for Python 2 and not work under Python 3. Instead the `setup.py develop` will build Python 3 code under the `build` directory, and link there. This means that after doing code changes you will have to run `setup.py build` before these changes are picked up by your Python 3 installation.

In addition, the `develop` command creates wrapper scripts in the target script directory that will run your in-development scripts after ensuring that all your `install_requires` packages are available on `sys.path`.

You can deploy the same project to multiple staging areas, e.g. if you have multiple projects on the same machine that are sharing the same project you're doing development work.

When you're done with a given development task, you can remove the project
source from a staging area using `setup.py develop --uninstall`, specifying
the desired staging area if it's not the default.

There are several options to control the precise behavior of the `develop` command; see the section on the `develop` command below for more details.

Note that you can also apply setuptools commands to non-setuptools projects, using commands like this:

```python
python -c "import setuptools; execfile('setup.py')" develop
```

That is, you can simply list the normal setup commands and options following the quoted part.

Distributing a `setuptools`-based project
===========================================

Using `setuptools`... Without bundling it!
--------------------------------------------

Your users might not have `setuptools` installed on their machines, or even if they do, it might not be the right version. Fixing this is easy; just
download `ez_setup.py`, and put it in the same directory as your `setup.py` script. (Be sure to add it to your revision control system, too.) Then add
these two lines to the very top of your setup script, before the script imports
anything from setuptools:

```python
import ez_setup
ez_setup.use_setuptools()
```

That's it. The `ez_setup` module will automatically download a matching
version of `setuptools` from PyPI, if it isn't present on the target system.
Whenever you install an updated version of setuptools, you should also update your project's `ez_setup.py` files, so that a matching version gets installed on the target machine(s).

By the way, setuptools supports the new PyPI "upload" command, so you can use
`setup.py sdist upload` or `setup.py bdist_egg upload` to upload your
source or egg distributions respectively. Your project's current version must
be registered with PyPI first, of course; you can use `setup.py register` to
do that. Or you can do it all in one step, e.g. `setup.py register sdist
bdist_egg upload` will register the package, build source and egg
distributions, and then upload them both to PyPI, where they'll be easily
found by other projects that depend on them.
(By the way, if you need to distribute a specific version of ``setuptools``, you can specify the exact version and base download URL as parameters to the ``use_setuptools()`` function. See the function's docstring for details.)

What Your Users Should Know
-------------------------------

In general, a setuptools-based project looks just like any distutils-based project -- as long as your users have an internet connection and are installing to ``site-packages``, that is. But for some users, these conditions don't apply, and they may become frustrated if this is their first encounter with a setuptools-based project. To keep these users happy, you should review the following topics in your project's installation instructions, if they are relevant to your project and your target audience isn't already familiar with setuptools and ``easy_install``.

Network Access

If your project is using `"ez_setup"`, you should inform users of the need to either have network access, or to preinstall the correct version of setuptools using the `EasyInstall installation instructions`_. Those instructions also have tips for dealing with firewalls as well as how to manually download and install setuptools.

Custom Installation Locations

You should inform your users that if they are installing your project to somewhere other than the main `"site-packages"` directory, they should first install setuptools using the instructions for `Custom Installation Locations`_, before installing your project.

Your Project's Dependencies

If your project depends on other projects that may need to be downloaded from PyPI or elsewhere, you should list them in your installation instructions, or tell users how to find out what they are. While most users will not need this information, any users who don't have unrestricted internet access may have to find, download, and install the other projects manually. (Note, however, that they must still install those projects using `"easy_install"`, or your project will not know they are installed, and your setup script will try to download them again.)

If you want to be especially friendly to users with limited network access, you may wish to build eggs for your project and its dependencies, making them all available for download from your site, or at least create a page with links to all of the needed eggs. In this way, users with limited network access can manually download all the eggs to a single directory, then use the `"-f"` option of `"easy_install"` to specify the directory to find eggs in. Users who have full network access can just use `"-f"` with the URL of your download page, and `"easy_install"` will find all the
needed eggs using your links directly. This is also useful when your
target audience isn't able to compile packages (e.g. most Windows users)
and your package or some of its dependencies include C code.

Subversion or CVS Users and Co-Developers
Users and co-developers who are tracking your in-development code using
CVS, Subversion, or some other revision control system should probably read
this manual's sections regarding such development. Alternately, you may
wish to create a quick-reference guide containing the tips from this manual
that apply to your particular situation. For example, if you recommend
that people use ``setup.py develop`` when tracking your in-development
code, you should let them know that this needs to be run after every update
or commit.

Similarly, if you remove modules or data files from your project, you
should remind them to run ``setup.py clean --all`` and delete any obsolete
``.pyc`` or ``.pyo``. (This tip applies to the distutils in general, not
just setuptools, but not everybody knows about them; be kind to your users
by spelling out your project's best practices rather than leaving them
guessing.)

Creating System Packages
Some users want to manage all Python packages using a single package
manager, and sometimes that package manager isn't ``easy_install``!
Setuptools currently supports ``bdist_rpm``, ``bdist_wininst``, and
``bdist_dumb`` formats for system packaging. If a user has a locally-
installed ``bdist`` packaging tool that internally uses the distutils
``install`` command, it should be able to work with ``setuptools``. Some
examples of "bdist" formats that this should work with include the
``bdist_nsi`` and ``bdist_msi`` formats for Windows.

However, packaging tools that build binary distributions by running
``setup.py install`` on the command line or as a subprocess will require
modification to work with setuptools. They should use the
``--single-version-externally-managed`` option to the ``install`` command,
combined with the standard ``--root`` or ``--record`` options.
See the `install command`_ documentation below for more details. The
``bdist_deb`` command is an example of a command that currently requires
this kind of patching to work with setuptools.

If you or your users have a problem building a usable system package for
your project, please report the problem via the mailing list so that
either the "bdist" tool in question or setuptools can be modified to
resolve the issue.

Setting the ``zip_safe`` flag
-------------------------------
For maximum performance, Python packages are best installed as zip files. Not all packages, however, are capable of running in compressed form, because they may expect to be able to access either source code or data files as normal operating system files. So, `setuptools` can install your project as a zipfile or a directory, and its default choice is determined by the project's `zip_safe` flag.

You can pass a True or False value for the `zip_safe` argument to the `setup()` function, or you can omit it. If you omit it, the `bdist_egg` command will analyze your project's contents to see if it can detect any conditions that would prevent it from working in a zipfile. It will output notices to the console about any such conditions that it finds.

Currently, this analysis is extremely conservative: it will consider the project unsafe if it contains any C extensions or datafiles whatsoever. This does *not* mean that the project can't or won't work as a zipfile! It just means that the `bdist_egg` authors aren't yet comfortable asserting that the project *will* work. If the project contains no C or data files, and does no `__file__` or `__path__` introspection or source code manipulation, then there is an extremely solid chance the project will work when installed as a zipfile. (And if the project uses `pkg_resources` for all its data file access, then C extensions and other data files shouldn't be a problem at all. See the `Accessing Data Files at Runtime` section above for more information.)

However, if `bdist_egg` can't be *sure* that your package will work, but you've checked over all the warnings it issued, and you are either satisfied it *will* work (or if you want to try it for yourself), then you should set `zip_safe` to `True` in your `setup()` call. If it turns out that it doesn't work, you can always change it to `False`, which will force `setuptools` to install your project as a directory rather than as a zipfile.

Of course, the end-user can still override either decision, if they are using EasyInstall to install your package. And, if you want to override for testing purposes, you can just run `setup.py easy_install --zip-ok .` or `setup.py easy_install --always-unzip .` in your project directory to install the package as a zipfile or directory, respectively.

In the future, as we gain more experience with different packages and become more satisfied with the robustness of the `pkg_resources` runtime, the “zip safety” analysis may become less conservative. However, we strongly recommend that you determine for yourself whether your project functions correctly when installed as a zipfile, correct any problems if you can, and then make an explicit declaration of `True` or `False` for the `zip_safe` flag, so that it will not be necessary for `bdist_egg` or `EasyInstall` to try to guess whether your project can work as a zipfile.
Namespace Packages

Sometimes, a large package is more useful if distributed as a collection of smaller eggs. However, Python does not normally allow the contents of a package to be retrieved from more than one location. "Namespace packages" are a solution for this problem. When you declare a package to be a namespace package, it means that the package has no meaningful contents in its `__init__.py`, and that it is merely a container for modules and subpackages.

The `pkg_resources` runtime will then automatically ensure that the contents of namespace packages that are spread over multiple eggs or directories are combined into a single "virtual" package.

The `namespace_packages` argument to `setup()` lets you declare your project's namespace packages, so that they will be included in your project's metadata. The argument should list the namespace packages that the egg participates in. For example, the ZopeInterface project might do this::

```python
setup(
    # ...
    namespace_packages = ['zope'],
)
```

because it contains a `zope.interface` package that lives in the `zope` namespace package. Similarly, a project for a standalone `zope.publisher` would also declare the `zope` namespace package. When these projects are installed and used, Python will see them both as part of a "virtual" `zope` package, even though they will be installed in different locations.

Namespace packages don't have to be top-level packages. For example, Zope 3's `zope.app` package is a namespace package, and in the future PEAK's `peak.util` package will be too.

Note, by the way, that your project's source tree must include the namespace packages`__init__.py` files (and the `__init__.py` of any parent packages), in a normal Python package layout. These `__init__.py` files *must* contain the line::

```python
__import__('pkg_resources').declare_namespace(__name__)
```

This code ensures that the namespace package machinery is operating and that the current package is registered as a namespace package.

You must NOT include any other code and data in a namespace package's `__init__.py`. Even though it may appear to work during development, or when projects are installed as `.egg` files, it will not work when the projects are installed using "system" packaging tools -- in such cases the
``__init__.py`` files will not be installed, let alone executed.

You must include the ``declare_namespace()`` line in the ``__init__.py`` of *every* project that has contents for the namespace package in question, in order to ensure that the namespace will be declared regardless of which project's copy of ``__init__.py`` is loaded first. If the first loaded ``__init__.py`` doesn't declare it, it will never *be* declared, because no other copies will ever be loaded!

**TRANSITIONAL NOTE**

Setuptools automatically calls ``declare_namespace()`` for you at runtime, but future versions may *not*. This is because the automatic declaration feature has some negative side effects, such as needing to import all namespace packages during the initialization of the ``pkg_resources`` runtime, and also the need for ``pkg_resources`` to be explicitly imported before any namespace packages work at all. In some future releases, you'll be responsible for including your own declaration lines, and the automatic declaration feature will be dropped to get rid of the negative side effects.

During the remainder of the current development cycle, therefore, setuptools will warn you about missing ``declare_namespace()`` calls in your ``__init__.py`` files, and you should correct these as soon as possible before the compatibility support is removed. Namespace packages without declaration lines will not work correctly once a user has upgraded to a later version, so it's important that you make this change now in order to avoid having your code break in the field. Our apologies for the inconvenience, and thank you for your patience.

**Tagging and "Daily Build" or "Snapshot" Releases**

When a set of related projects are under development, it may be important to track finer-grained version increments than you would normally use for e.g. "stable" releases. While stable releases might be measured in dotted numbers with alpha/beta/etc. status codes, development versions of a project often need to be tracked by revision or build number or even build date. This is especially true when projects in development need to refer to one another, and therefore may literally need an up-to-the-minute version of something!

To support these scenarios, setuptools allows you to "tag" your source and egg distributions by adding one or more of the following to the project's "official" version identifier:
* A manually-specified pre-release tag, such as "build" or "dev", or a manually-specified post-release tag, such as a build or revision number
("`--tag-build=STRING, -bSTRING`")

* A "last-modified revision number" string generated automatically from Subversion's metadata (assuming your project is being built from a Subversion "working copy") ("`--tag-svn-revision, -r`")

* An 8-character representation of the build date ("`--tag-date, -d`"), as a postrelease tag

You can add these tags by adding `--egg_info` and the desired options to the command line ahead of the `--sdist` or `--bdist` commands that you want to generate a daily build or snapshot for. See the section below on the `egg_info` command for more details.

(Also, before you release your project, be sure to see the section above on `Specifying Your Project's Version` for more information about how pre- and post-release tags affect how setuptools and EasyInstall interpret version numbers. This is important in order to make sure that dependency processing tools will know which versions of your project are newer than others.)

Finally, if you are creating builds frequently, and either building them in a downloadable location or are copying them to a distribution server, you should probably also check out the `rotate` command, which lets you automatically delete all but the N most-recently-modified distributions matching a glob pattern. So, you can use a command line like::

    setup.py egg_info -rbDEV bdist_egg rotate -m.egg -k3

to build an egg whose version info includes 'DEV-rNNNN' (where NNNN is the most recent Subversion revision that affected the source tree), and then delete any egg files from the distribution directory except for the three that were built most recently.

If you have to manage automated builds for multiple packages, each with different tagging and rotation policies, you may also want to check out the `alias` command, which would let each package define an alias like `daily` that would perform the necessary tag, build, and rotate commands. Then, a simpler script or cron job could just run `setup.py daily` in each project directory. (And, you could also define sitewide or per-user default versions of the `daily` alias, so that projects that didn't define their own would use the appropriate defaults.)

Generating Source Distributions

------------------------------------
``setuptools`` enhances the distutils' default algorithm for source file selection, so that all files managed by CVS or Subversion in your project tree are included in any source distribution you build. This is a big improvement over having to manually write a ``MANIFEST.in`` file and try to keep it in sync with your project. So, if you are using CVS or Subversion, and your source distributions only need to include files that you're tracking in revision control, don't create a ``MANIFEST.in`` file for your project. (And, if you already have one, you might consider deleting it the next time you would otherwise have to change it.)

(NOTE: other revision control systems besides CVS and Subversion can be supported using plugins; see the section below on `Adding Support for Other Revision Control Systems`_ for information on how to write such plugins.)

If you need to include automatically generated files, or files that are kept in an unsupported revision control system, you'll need to create a ``MANIFEST.in`` file to specify any files that the default file location algorithm doesn't catch. See the distutils documentation for more information on the format of the ``MANIFEST.in`` file.

But, be sure to ignore any part of the distutils documentation that deals with ``MANIFEST`` or how it's generated from ``MANIFEST.in``; setuptools shields you from these issues and doesn't work the same way in any case. Unlike the distutils, setuptools regenerates the source distribution manifest file every time you build a source distribution, and it builds it inside the project's `.egg-info` directory, out of the way of your main project directory. You therefore need not worry about whether it is up-to-date or not.

Indeed, because setuptools' approach to determining the contents of a source distribution is so much simpler, its ``sdist`` command omits nearly all of the options that the distutils' more complex ``sdist`` process requires. For all practical purposes, you'll probably use only the ``--formats`` option, if you use any option at all.

(By the way, if you're using some other revision control system, you might consider creating and publishing a `revision control plugin for setuptools`_.)

---

Revision control plugin for setuptools: `Adding Support for Other Revision Control Systems`_

Making your package available for EasyInstall
---------------------------------------------

If you use the `register` command (`setup.py register`) to register your package with PyPI, that's most of the battle right there. (See the `docs for the register command`_ for more details.)
If you also use the `upload` command to upload actual distributions of your package, that's even better, because EasyInstall will be able to find and download them directly from your project's PyPI page.

However, there may be reasons why you don't want to upload distributions to PyPI, and just want your existing distributions (or perhaps a Subversion checkout) to be used instead.

So here's what you need to do before running the `register` command. There are three `setup()` arguments that affect EasyInstall:

``url`` and ``download_url``
These become links on your project's PyPI page. EasyInstall will examine them to see if they link to a package ("primary links"), or whether they are HTML pages. If they're HTML pages, EasyInstall scans all HREF's on the page for primary links

``long_description``
EasyInstall will check any URLs contained in this argument to see if they are primary links.

A URL is considered a "primary link" if it is a link to a .tar.gz, .tgz, .zip, .egg, .egg.zip, .tar.bz2, or .exe file, or if it has an `#egg=project` or `#egg=project-version` fragment identifier attached to it. EasyInstall attempts to determine a project name and optional version number from the text of a primary link *without* downloading it. When it has found all the primary links, EasyInstall will select the best match based on requested version, platform compatibility, and other criteria.

So, if your `url` or `download_url` point either directly to a downloadable source distribution, or to HTML page(s) that have direct links to such, then EasyInstall will be able to locate downloads automatically. If you want to make Subversion checkouts available, then you should create links with either `#egg=project` or `#egg=project-version` added to the URL. You should replace `project` and `version` with the values they would have in an egg filename. (Be sure to actually generate an egg and then use the initial part of the filename, rather than trying to guess what the escaped form of the project name and version number will be.)

Note that Subversion checkout links are of lower precedence than other kinds of distributions, so EasyInstall will not select a Subversion checkout for downloading unless it has a version included in the `#egg=` suffix, and it's a higher version than EasyInstall has seen in any other links for your project.

As a result, it's a common practice to use mark checkout URLs with a version of
"dev" (i.e., ``#egg=projectname-dev``), so that users can do something like this:

    easy_install --editable projectname==dev

in order to check out the in-development version of ``projectname``.

Managing "Continuous Releases" Using Subversion
---------------------------------------------------

If you expect your users to track in-development versions of your project via Subversion, there are a few additional steps you should take to ensure that things work smoothly with EasyInstall. First, you should add the following to your project's ``setup.cfg`` file:

.. code-block:: ini

    [egg_info]
    tag_build = .dev
    tag_svn_revision = 1

This will tell ``setuptools`` to generate package version numbers like ``1.0a1.dev-r1263``, which will be considered to be an *older* release than ``1.0a1``. Thus, when you actually release ``1.0a1``, the entire egg infrastructure (including ``setuptools``, ``pkg_resources`` and EasyInstall) will know that ``1.0a1`` supersedes any interim snapshots from Subversion, and handle upgrades accordingly.

(Note: the project version number you specify in ``setup.py`` should always be the *next* version of your software, not the last released version. Alternately, you can leave out the ``tag_build=.dev``, and always use the *last* release as a version number, so that your post-1.0 builds are labelled ``1.0-r1263``, indicating a post-1.0 patchlevel. Most projects so far, however, seem to prefer to think of their project as being a future version still under development, rather than a past version being patched. It is of course possible for a single project to have both situations, using post-release numbering on release branches, and pre-release numbering on the trunk. But you don't have to make things this complex if you don't want to.)

Commonly, projects releasing code from Subversion will include a PyPI link to their checkout URL (as described in the previous section) with an ``#egg=projectname-dev`` suffix. This allows users to request EasyInstall to download ``projectname==dev`` in order to get the latest in-development code. Note that if your project depends on such in-progress code, you may wish to specify your ``install_requires`` (or other requirements) to include ``==dev``, e.g.:
.. code-block:: python

    install_requires = ['OtherProject>=0.2a1.dev-r143,==dev']

The above example says, "I really want at least this particular development revision number, but feel free to follow and use an `#egg=OtherProject-dev` link if you find one". This avoids the need to have actual source or binary distribution snapshots of in-development code available, just to be able to depend on the latest and greatest a project has to offer.

A final note for Subversion development: if you are using SVN revision tags as described in this section, it's a good idea to run `setup.py develop` after each Subversion checkin or update, because your project's version number will be changing, and your script wrappers need to be updated accordingly.

Also, if the project's requirements have changed, the `develop` command will take care of fetching the updated dependencies, building changed extensions, etc. Be sure to also remind any of your users who check out your project from Subversion that they need to run `setup.py develop` after every update in order to keep their checkout completely in sync.

Making "Official" (Non-Snapshot) Releases
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

When you make an official release, creating source or binary distributions, you will need to override the tag settings from `setup.cfg`, so that you don't end up registering versions like `foobar-0.7a1.dev-r34832`. This is easy to do if you are developing on the trunk and using tags or branches for your releases - just make the change to `setup.cfg` after branching or tagging the release, so the trunk will still produce development snapshots.

Alternately, if you are not branching for releases, you can override the default version options on the command line, using something like::

    python setup.py egg_info -RDb "" sdist bdist_egg register upload

The first part of this command (`egg_info -RDb ""`) will override the configured tag information, before creating source and binary eggs, registering the project with PyPI, and uploading the files. Thus, these commands will use the plain version from your `setup.py`, without adding the Subversion revision number or build designation string.

Of course, if you will be doing this a lot, you may wish to create a personal alias for this operation, e.g.::

    python setup.py alias -u release egg_info -RDb ""
You can then use it like this:

    python setup.py release sdist bdist_egg register upload

Or of course you can create more elaborate aliases that do all of the above.
See the sections below on the `egg_info`_ and `alias`_ commands for more ideas.

Distributing Extensions compiled with Pyrex
-------------------------------------------
``setuptools`` includes transparent support for building Pyrex extensions, as long as you define your extensions using `setuptools.Extension`, *not* `distutils.Extension`. You must also not import anything from Pyrex in your setup script.

If you follow these rules, you can safely list `.pyx` files as the source of your `Extension` objects in the setup script. `setuptools` will detect at build time whether Pyrex is installed or not. If it is, then `setuptools` will use it. If not, then `setuptools` will silently change the `Extension` objects to refer to the `.c` counterparts of the `.pyx` files, so that the normal distutils C compilation process will occur.

Of course, for this to work, your source distributions must include the C code generated by Pyrex, as well as your original `.pyx` files. This means that you will probably want to include current `.c` files in your revision control system, rebuilding them whenever you check changes in for the `.pyx` source files. This will ensure that people tracking your project in CVS or Subversion will be able to build it even if they don't have Pyrex installed, and that your source releases will be similarly usable with or without Pyrex.

-----------
Command Reference
-----------
``.. _alias:

`alias` - Define shortcuts for commonly used commands
``

``Sometimes, you need to use the same commands over and over, but you can't necessarily set them as defaults. For example, if you produce both development snapshot releases and "stable" releases of a project, you may want to put the distributions in different places, or use different `egg_info` tagging options, etc. In these cases, it doesn't make sense to set the options in a distutils configuration file, because the values of the options changed based
on what you're trying to do.

Setuptools therefore allows you to define "aliases" - shortcut names for an arbitrary string of commands and options, using `setup.py alias aliasname expansion`, where aliasname is the name of the new alias, and the remainder of the command line supplies its expansion. For example, this command defines a sitewide alias called "daily", that sets various `egg_info` tagging options:

```
setup.py alias --global-config daily egg_info --tag-svn-revision --tag-build=development
```

Once the alias is defined, it can then be used with other setup commands, e.g.:

```
setup.py daily bdist_egg # generate a daily-build .egg file
setup.py daily sdist # generate a daily-build source distro
setup.py daily sdist bdist_egg # generate both
```

The above commands are interpreted as if the word `daily` were replaced with `egg_info --tag-svn-revision --tag-build=development`.

Note that setuptools will expand each alias *at most once* in a given command line. This serves two purposes. First, if you accidentally create an alias loop, it will have no effect; you'll instead get an error message about an unknown command. Second, it allows you to define an alias for a command, that uses that command. For example, this (project-local) alias:

```
setup.py alias bdist_egg bdist_egg rotate -k1 -m.egg
```

redefines the `bdist_egg` command so that it always runs the `rotate` command afterwards to delete all but the newest egg file. It doesn't loop indefinite on `bdist_egg` because the alias is only expanded once when used.

You can remove a defined alias with the `--remove` (or `-r`) option, e.g.:

```
setup.py alias --global-config --remove daily
```

would delete the "daily" alias we defined above.

Aliases can be defined on a project-specific, per-user, or sitewide basis. The default is to define or remove a project-specific alias, but you can use any of the `configuration file options` (listed under the `saveopts` command, below) to determine which distutils configuration file an aliases will be added to (or removed from).

Note that if you omit the "expansion" argument to the `alias` command,
you'll get output showing that alias' current definition (and what configuration file it's defined in). If you omit the alias name as well, you'll get a listing of all current aliases along with their configuration file locations.

``bdist_egg`` - Create a Python Egg for the project
===================================================================

This command generates a Python Egg (``.egg`` file) for the project. Python Eggs are the preferred binary distribution format for EasyInstall, because they are cross-platform (for "pure" packages), directly importable, and contain project metadata including scripts and information about the project's dependencies. They can be simply downloaded and added to ``sys.path`` directly, or they can be placed in a directory on ``sys.path`` and then automatically discovered by the egg runtime system.

This command runs the `egg_info` command (if it hasn't already run) to update the project's metadata (``.egg-info``) directory. If you have added any extra metadata files to the ``.egg-info`` directory, those files will be included in the new egg file's metadata directory, for use by the egg runtime system or by any applications or frameworks that use that metadata.

You won't usually need to specify any special options for this command; just use ``bdist_egg`` and you're done. But there are a few options that may be occasionally useful:

``--dist-dir=DIR, -d DIR``
Set the directory where the ``.egg`` file will be placed. If you don't supply this, then the ``--dist-dir`` setting of the ``bdist`` command will be used, which is usually a directory named ``dist`` in the project directory.

``--plat-name=PLATFORM, -p PLATFORM``
Set the platform name string that will be embedded in the egg's filename (assuming the egg contains C extensions). This can be used to override the distutils default platform name with something more meaningful. Keep in mind, however, that the egg runtime system expects to see eggs with distutils platform names, so it may ignore or reject eggs with non-standard platform names. Similarly, the EasyInstall program may ignore them when searching web pages for download links. However, if you are cross-compiling or doing some other unusual things, you might find a use for this option.

``--exclude-source-files``
Don't include any modules' ``.py`` files in the egg, just compiled Python, C, and data files. (Note that this doesn't affect any ``.py`` files in the EGG-INFO directory or its subdirectories, since for example there may be
scripts with a `.py` extension which must still be retained.) We don't recommend that you use this option except for packages that are being bundled for proprietary end-user applications, or for "embedded" scenarios where space is at an absolute premium. On the other hand, if your package is going to be installed and used in compressed form, you might as well exclude the source because Python's `traceback` module doesn't currently understand how to display zipped source code anyway, or how to deal with files that are in a different place from where their code was compiled.

There are also some options you will probably never need, but which are there because they were copied from similar `bdist` commands used as an example for creating this one. They may be useful for testing and debugging, however, which is why we kept them:

``--keep-temp, -k``
Keep the contents of the `--bdist-dir` tree around after creating the `.egg` file.

``--bdist-dir=DIR, -b DIR``
Set the temporary directory for creating the distribution. The entire contents of this directory are zipped to create the `.egg` file, after running various installation commands to copy the package's modules, data, and extensions here.

``--skip-build``
Skip doing any "build" commands; just go straight to the install-and-compress phases.

.. _develop:

``develop`` - Deploy the project source in "Development Mode"
===============================================================================

This command allows you to deploy your project's source for use in one or more "staging areas" where it will be available for importing. This deployment is done in such a way that changes to the project source are immediately available in the staging area(s), without needing to run a build or install step after each change.

The `develop` command works by creating an `.egg-link` file (named for the project) in the given staging area. If the staging area is Python's `site-packages` directory, it also updates an `easy-install.pth` file so that the project is on `sys.path` by default for all programs run using that Python installation.

The `develop` command also installs wrapper scripts in the staging area (or a separate directory, as specified) that will ensure the project's dependencies
are available on `sys.path` before running the project's source scripts. And, it ensures that any missing project dependencies are available in the staging area, by downloading and installing them if necessary.

Last, but not least, the `develop` command invokes the `build_ext -i` command to ensure any C extensions in the project have been built and are up-to-date, and the `egg_info` command to ensure the project's metadata is updated (so that the runtime and wrappers know what the project's dependencies are). If you make any changes to the project's setup script or C extensions, you should rerun the `develop` command against all relevant staging areas to keep the project's scripts, metadata and extensions up-to-date. Most other kinds of changes to your project should not require any build operations or rerunning `develop`, but keep in mind that even minor changes to the setup script (e.g. changing an entry point definition) require you to re-run the `develop` or `test` commands to keep the distribution updated.

Here are some of the options that the `develop` command accepts. Note that they affect the project's dependencies as well as the project itself, so if you have dependencies that need to be installed and you use `--exclude-scripts` (for example), the dependencies' scripts will not be installed either! For this reason, you may want to use EasyInstall to install the project's dependencies before using the `develop` command, if you need finer control over the installation options for dependencies.

``--uninstall, -u``
Un-deploy the current project. You may use the `--install-dir` or `--d` option to designate the staging area. The created `.egg-link` file will be removed, if present and it is still pointing to the project directory. The project directory will be removed from `easy-install.pth` if the staging area is Python's `site-packages` directory.

Note that this option currently does *not* uninstall script wrappers! You must uninstall them yourself, or overwrite them by using EasyInstall to activate a different version of the package. You can also avoid installing script wrappers in the first place, if you use the `--exclude-scripts` (aka `--x`) option when you run `develop` to deploy the project.

``--multi-version, -m``
"Multi-version" mode. Specifying this option prevents `develop` from adding an `easy-install.pth` entry for the project(s) being deployed, and if an entry for any version of a project already exists, the entry will be removed upon successful deployment. In multi-version mode, no specific version of the package is available for importing, unless you use `pkg_resources.require()` to put it on `sys.path`, or you are running a wrapper script generated by `setuptools` or EasyInstall. (In which case the wrapper script calls `require()` for you.)

Note that if you install to a directory other than `site-packages`,
this option is automatically in effect, because `.pth` files can only be used in `site-packages` (at least in Python 2.3 and 2.4). So, if you use the `--install-dir` or `-d` option (or they are set via configuration file(s)) your project and its dependencies will be deployed in multi-version mode.

``--install-dir=DIR, -d DIR``
Set the installation directory (staging area). If this option is not directly specified on the command line or in a distutils configuration file, the distutils default installation location is used. Normally, this will be the `site-packages` directory, but if you are using distutils configuration files, setting things like `prefix` or `install_lib`, then those settings are taken into account when computing the default staging area.

``--script-dir=DIR, -s DIR``
Set the script installation directory. If you don't supply this option (via the command line or a configuration file), but you *have* supplied an `--install-dir` (via command line or config file), then this option defaults to the same directory, so that the scripts will be able to find their associated package installation. Otherwise, this setting defaults to the location where the distutils would normally install scripts, taking any distutils configuration file settings into account.

``--exclude-scripts, -x``
Don't deploy script wrappers. This is useful if you don't want to disturb existing versions of the scripts in the staging area.

``--always-copy, -a``
Copy all needed distributions to the staging area, even if they are already present in another directory on `sys.path`. By default, if a requirement can be met using a distribution that is already available in a directory on `sys.path`, it will not be copied to the staging area.

``--egg-path=DIR``
Force the generated `.egg-link` file to use a specified relative path to the source directory. This can be useful in circumstances where your installation directory is being shared by code running under multiple platforms (e.g. Mac and Windows) which have different absolute locations for the code under development, but the same *relative* locations with respect to the installation directory. If you use this option when installing, you must supply the same relative path when uninstalling.

In addition to the above options, the `develop` command also accepts all of the same options accepted by `easy_install`. If you've configured any `easy_install` settings in your `setup.cfg` (or other distutils config files), the `develop` command will use them as defaults, unless you override them in a `\[develop\]` section or on the command line.
``easy_install`` - Find and install packages

This command runs the `EasyInstall tool <easy_install.html>`_ for you. It is exactly equivalent to running the ``easy_install`` command. All command line arguments following this command are consumed and not processed further by the distutils, so this must be the last command listed on the command line. Please see the EasyInstall documentation for the options reference and usage examples. Normally, there is no reason to use this command via the command line, as you can just use ``easy_install`` directly. It's only listed here so that you know it's a distutils command, which means that you can:

* create command aliases that use it,
* create distutils extensions that invoke it as a subcommand, and
* configure options for it in your ``setup.cfg`` or other distutils config files.

.. _egg_info:

``egg_info`` - Create egg metadata and set build tags

This command performs two operations: it updates a project's metadata directory (used by the ``bdist_egg``, ``develop``, and ``test`` commands), and it allows you to temporarily change a project's version string, to support "daily builds" or "snapshot" releases. It is run automatically by the ``sdist``, ``bdist_egg``, ``develop``, ``register``, and ``test`` commands in order to update the project's metadata, but you can also specify it explicitly in order to temporarily change the project's version string while executing other commands. (It also generates the ``.egg-info/SOURCES.txt`` manifest file, which is used when you are building source distributions.) In addition to writing the core egg metadata defined by `setuptools` and required by `pkg_resources`, this command can be extended to write other metadata files as well, by defining entry points in the `egg_info.writers` group. See the section on `Adding new EGG-INFO Files` below for more details. Note that using additional metadata writers may require you to include a "setup_requires" argument to `setup()` in order to ensure that the desired writers are available on `sys.path`.

Release Tagging Options

------------------------
The following options can be used to modify the project's version string for all remaining commands on the setup command line. The options are processed in the order shown, so if you use more than one, the requested tags will be added in the following order:

```
--tag-build=NAME, -b NAME```
Append NAME to the project's version string. Due to the way setuptools processes "pre-release" version suffixes beginning with the letters "a" through "e" (like "alpha", "beta", and "candidate"), you will usually want to use a tag like ".build" or ".dev", as this will cause the version number to be considered *lower* than the project's default version. (If you want to make the version number *higher* than the default version, you can always leave off --tag-build and then use one or both of the following options.)

If you have a default build tag set in your `setup.cfg`, you can suppress it on the command line using `--tag-build=''` or `--tag-build=`` as an argument to the `egg_info` command.

```
--tag-svn-revision, -r```
If the current directory is a Subversion checkout (i.e. has a `.svn` subdirectory, this appends a string of the form ".rNNNN" to the project's version string, where NNNN is the revision number of the most recent modification to the current directory, as obtained from the `svn info` command.

If the current directory is not a Subversion checkout, the command will look for a `PKG-INFO` file instead, and try to find the revision number from that, by looking for a ".rNNNN" string at the end of the version number. (This is so that building a package from a source distribution of a Subversion snapshot will produce a binary with the correct version number.)

If there is no `PKG-INFO` file, or the version number contained therein does not end with ".r" and a number, then ".r0" is used.

```
--no-svn-revision, -R```
Don't include the Subversion revision in the version number. This option is included so you can override a default setting put in `setup.cfg`.

```
--tag-date, -d```
Add a date stamp of the form "-YYYYMMDD" (e.g. ".20050528") to the project's version number.

```
--no-date, -D```
Don't include a date stamp in the version number. This option is included so you can override a default setting in `setup.cfg`.
(Note: Because these options modify the version number used for source and binary distributions of your project, you should first make sure that you know how the resulting version numbers will be interpreted by automated tools like EasyInstall. See the section above on "Specifying Your Project's Version" for an explanation of pre- and post-release tags, as well as tips on how to choose and verify a versioning scheme for your project.)

For advanced uses, there is one other option that can be set, to change the location of the project's `.egg-info` directory. Commands that need to find the project's source directory or metadata should get it from this setting:

Other `.egg-info` Options
--------------------------
``--egg-base=SOURCEDIR, -e SOURCEDIR``
Specify the directory that should contain the .egg-info directory. This should normally be the root of your project's source tree (which is not necessarily the same as your project directory; some projects use a `src` or `lib` subdirectory as the source root). You should not normally need to specify this directory, as it is normally determined from the `package_dir` argument to the `setup()` function, if any. If there is no `package_dir` set, this option defaults to the current directory.

`.egg_info` Examples
---------------------
Creating a dated "nightly build" snapshot egg::

    python setup.py egg_info --tag-date --tag-build=DEV bdist_egg

Creating and uploading a release with no version tags, even if some default tags are specified in `setup.cfg`::

    python setup.py egg_info -RDb "" sdist bdist_egg register upload

(Notice that `.egg_info` must always appear on the command line *before* any commands that you want the version changes to apply to.)

.. _install command:
``install`` - Run `easy_install` or old-style installation
============================================
`easy_install` command on the current project. However, for convenience in creating "system packages" of setuptools-based projects, you can also use this option:

`--single-version-externally-managed`

This boolean option tells the `install` command to perform an "old style" installation, with the addition of an `.egg-info` directory so that the installed project will still have its metadata available and operate normally. If you use this option, you *must* also specify the `--root` or `--record` options (or both), because otherwise you will have no way to identify and remove the installed files.

This option is automatically in effect when `install` is invoked by another distutils command, so that commands like `bdist_wininst` and `bdist_rpm` will create system packages of eggs. It is also automatically in effect if you specify the `--root` option.

`install_egg_info` - Install an `.egg-info` directory in `site-packages`

Setuptools runs this command as part of `install` operations that use the `--single-version-externally-managed` options. You should not invoke it directly; it is documented here for completeness and so that distutils extensions such as system package builders can make use of it. This command has only one option:

`--install-dir=DIR, -d DIR`

The parent directory where the `.egg-info` directory will be placed. Defaults to the same as the `--install-dir` option specified for the `install_lib` command, which is usually the system `site-packages` directory.

This command assumes that the `.egg_info` command has been given valid options via the command line or `setup.cfg`, as it will invoke the `.egg_info` command and use its options to locate the project's source `.egg-info` directory.

.. _rotate:

`rotate` - Delete outdated distribution files

As you develop new versions of your project, your distribution (`dist`) directory will gradually fill up with older source and/or binary distribution files. The `rotate` command lets you automatically clean these up, keeping only the N most-recently modified files matching a given pattern.
``--match=PATTERNLIST, -m PATTERNLIST``

Comma-separated list of glob patterns to match. This option is *required*. The project name and `~-*~` is prepended to the supplied patterns, in order to match only distributions belonging to the current project (in case you have a shared distribution directory for multiple projects). Typically, you will use a glob pattern like `*.zip` or `*.egg` to match files of the specified type. Note that each supplied pattern is treated as a distinct group of files for purposes of selecting files to delete.

``--keep=COUNT, -k COUNT``

Number of matching distributions to keep. For each group of files identified by a pattern specified with the `--match` option, delete all but the COUNT most-recently-modified files in that group. This option is *required*.

``--dist-dir=DIR, -d DIR``

Directory where the distributions are. This defaults to the value of the `bdist` command's `--dist-dir` option, which will usually be the project's `dist` subdirectory.

**Example 1**: Delete all .tar.gz files from the distribution directory, except for the 3 most recently modified ones::

    setup.py rotate --match=.tar.gz --keep=3

**Example 2**: Delete all Python 2.3 or Python 2.4 eggs from the distribution directory, except the most recently modified one for each Python version::

    setup.py rotate --match=-py2.3*.egg,-py2.4*.egg --keep=1

.. _saveopts:

``saveopts`` - Save used options to a configuration file

===============================================

Finding and editing `distutils` configuration files can be a pain, especially since you also have to translate the configuration options from command-line form to the proper configuration file format. You can avoid these hassles by using the `saveopts` command. Just add it to the command line to save the options you used. For example, this command builds the project using the `mingw32` C compiler, then saves the --compiler setting as the default for future builds (even those run implicitly by the `install` command)::

    setup.py build --compiler=mingw32 saveopts

The `saveopts` command saves all options for every command specified on the
command line to the project's local ``setup.cfg`` file, unless you use one of the `configuration file options` to change where the options are saved. For example, this command does the same as above, but saves the compiler setting to the site-wide (global) distutils configuration::

    setup.py build --compiler=mingw32 saveopts -g

Note that it doesn't matter where you place the ``saveopts`` command on the command line; it will still save all the options specified for all commands. For example, this is another valid way to spell the last example::

    setup.py saveopts -g build --compiler=mingw32

Note, however, that all of the commands specified are always run, regardless of where ``saveopts`` is placed on the command line.

Configuration File Options
--------------------------

Normally, settings such as options and aliases are saved to the project's local ``setup.cfg`` file. But you can override this and save them to the global or per-user configuration files, or to a manually-specified filename.

``--global-config, -g``
Save settings to the global ``distutils.cfg`` file inside the ``distutils`` package directory. You must have write access to that directory to use this option. You also can't combine this option with ``-u`` or ``-f``.

``--user-config, -u``
Save settings to the current user's ``~/.pydistutils.cfg`` (POSIX) or ``$HOME/pydistutils.cfg`` (Windows) file. You can't combine this option with ``-g`` or ``-f``.

``--filename=FILENAME, -f FILENAME``
Save settings to the specified configuration file to use. You can't combine this option with ``-g`` or ``-u``. Note that if you specify a non-standard filename, the ``distutils`` and ``setuptools`` will not use the file's contents. This option is mainly included for use in testing.

These options are used by other ``setuptools`` commands that modify configuration files, such as the `alias` and `setopt` commands.

.. _setopt:

``setopt`` - Set a distutils or setuptools option in a config file
This command is mainly for use by scripts, but it can also be used as a quick and dirty way to change a distutils configuration option without having to remember what file the options are in and then open an editor.

**Example 1**. Set the default C compiler to `mingw32` (using long option names):

```
setup.py setopt --command=build --option=compiler --set-value=mingw32
```

**Example 2**. Remove any setting for the distutils default package installation directory (short option names):

```
setup.py setopt -c install -o install_lib -r
```

Options for the `setopt` command:

```
--command=COMMAND, -c COMMAND
Command to set the option for. This option is required.
```

```
--option=OPTION, -o OPTION
The name of the option to set. This option is required.
```

```
--set-value=VALUE, -s VALUE
The value to set the option to. Not needed if `--remove` is set.
```

```
--remove, -r
Remove (unset) the option, instead of setting it.
```

In addition to the above options, you may use any of the `configuration file options` (listed under the `saveopts` command, above) to determine which distutils configuration file the option will be added to (or removed from).

```
.. _test:
```

```
`test` - Build package and run a unittest suite
```

When doing test-driven development, or running automated builds that need testing before they are deployed for downloading or use, it's often useful to be able to run a project's unit tests without actually deploying the project anywhere, even using the `develop` command. The `test` command runs a project's unit tests without actually deploying it, by temporarily putting the project's source on `sys.path`, after first running `build_ext -i` and
``egg_info`` to ensure that any C extensions and project metadata are up-to-date.

To use this command, your project's tests must be wrapped in a `unittest` test suite by either a function, a `TestCase` class or method, or a module or package containing `TestCase` classes. If the named suite is a module, and the module has an `additional_tests()` function, it is called and the result (which must be a `unittest.TestSuite`) is added to the tests to be run. If the named suite is a package, any submodules and subpackages are recursively added to the overall test suite. (Note: if your project specifies a `test_loader`, the rules for processing the chosen `test_suite` may differ; see the `test_loader` documentation for more details.)

Note that many test systems including `doctest` support wrapping their non-`unittest` tests in `TestSuite` objects. So, if you are using a test package that does not support this, we suggest you encourage its developers to implement test suite support, as this is a convenient and standard way to aggregate a collection of tests to be run under a common test harness.

By default, tests will be run in the "verbose" mode of the `unittest` package's text test runner, but you can get the "quiet" mode (just dots) if you supply the `--q` or `--quiet` option, either as a global option to the setup script (e.g. `setup.py -q test`) or as an option for the `test` command itself (e.g. `setup.py test -q`). There is one other option available:

``--test-suite=NAME, -s NAME``

Specify the test suite (or module, class, or method) to be run (e.g. `some_module.test_suite`). The default for this option can be set by giving a `test_suite` argument to the `setup()` function, e.g.::

```python
setup(
    # ...
    test_suite = "my_package.tests.test_all"
)
```

If you did not set a `test_suite` in your `setup()` call, and do not provide a `--test-suite` option, an error will occur.

.. _upload:

``upload`` - Upload source and/or egg distributions to PyPI

PyPI now supports uploading project files for redistribution; uploaded files are easily found by EasyInstall, even if you don't have download links on your project's home page.
Although Python 2.5 will support uploading all types of distributions to PyPI, setuptools only supports source distributions and eggs. (This is partly because PyPI's upload support is currently broken for various other file types.) To upload files, you must include the `upload` command *after* the `sdist` or `bdist_egg` commands on the setup command line. For example:

```bash
setup.py bdist_egg upload  # create an egg and upload it
setup.py sdist upload      # create a source distro and upload it
setup.py sdist bdist_egg upload # create and upload both
```

Note that to upload files for a project, the corresponding version must already be registered with PyPI, using the distutils `register` command. It's usually a good idea to include the `register` command at the start of the command line, so that any registration problems can be found and fixed before building and uploading the distributions, e.g.:

```bash
setup.py register sdist bdist_egg upload
```

This will update PyPI's listing for your project's current version.

Note, by the way, that the metadata in your `setup()` call determines what will be listed in PyPI for your package. Try to fill out as much of it as possible, as it will save you a lot of trouble manually adding and updating your PyPI listings. Just put it in `setup.py` and use the `register` command to keep PyPI up to date.

The `upload` command has a few options worth noting:

```
``--sign, -s``
Sign each uploaded file using GPG (GNU Privacy Guard). The `gpg` program must be available for execution on the system `PATH`.

```
``--identity=NAME, -i NAME``
Specify the identity or key name for GPG to use when signing. The value of this option will be passed through the `--local-user` option of the `gpg` program.

```
``--show-response``
Display the full response text from server; this is useful for debugging PyPI problems.

```
``--repository=URL, -r URL``
The URL of the repository to upload to. Defaults to https://pypi.python.org/pypi (i.e., the main PyPI installation).

.. _upload_docs:
``upload_docs`` - Upload package documentation to PyPI

PyPI now supports uploading project documentation to the dedicated URL https://pythonhosted.org/<project>/.

The ``upload_docs`` command will create the necessary zip file out of a documentation directory and will post to the repository.

Note that to upload the documentation of a project, the corresponding version must already be registered with PyPI, using the distutils ``register`` command -- just like the ``upload`` command.

Assuming there is an ``Example`` project with documentation in the subdirectory ``docs``, e.g.::

Example/
|-- example.py
|-- setup.cfg
|-- setup.py
|-- docs
 | |-- build
 | |  `-- html
 | |  |-- index.html
 | |  |-- tips_tricks.html
 | |-- conf.py
 | |-- index.txt
 |  `-- tips_tricks.txt

You can simply pass the documentation directory path to the ``upload_docs`` command::

    python setup.py upload_docs --upload-dir=docs/build/html

If no ``--upload-dir`` is given, ``upload_docs`` will attempt to run the `build_sphinx` command to generate uploadable documentation.

For the command to become available, `Sphinx <http://sphinx.pocoo.org/>`_ must be installed in the same environment as distribute.

As with other `setuptools`-based commands, you can define useful defaults in the `setup.cfg` of your Python project, e.g.:

.. code-block:: ini

    [upload_docs]
    upload-dir = docs/build/html

The ``upload_docs`` command has the following options:
``--upload-dir``
The directory to be uploaded to the repository.

``--show-response``
Display the full response text from server; this is useful for debugging PyPI problems.

``--repository=URL, -r URL``
The URL of the repository to upload to. Defaults to https://pypi.python.org/pypi (i.e., the main PyPI installation).

Extending and Reusing Setuptools
--------------------------------

Creating `distutils` Extensions
================================

It can be hard to add new commands or setup arguments to the distutils. But the `setuptools` package makes it a bit easier, by allowing you to distribute a distutils extension as a separate project, and then have projects that need the extension just refer to it in their `setup_requires` argument.

With `setuptools`, your distutils extension projects can hook in new commands and `setup()` arguments just by defining "entry points". These are mappings from command or argument names to a specification of where to import a handler from. (See the section on `Dynamic Discovery of Services and Plugins` above for some more background on entry points.)

Adding Commands
---------------

You can add new `setup` commands by defining entry points in the `distutils.commands` group. For example, if you wanted to add a "foo" command, you might add something like this to your distutils extension project's setup script:

```python
setup(  
    # ...
    entry_points = {  
        "distutils.commands": [  
            "foo = mypackage.some_module:foo",  
        ],  
    },
)
```
(Assuming, of course, that the `foo` class in `mypackage.some_module` is a `setuptools.Command` subclass.)

Once a project containing such entry points has been activated on `sys.path`, (e.g. by running `install` or `develop` with a site-packages installation directory) the command(s) will be available to any `setuptools`-based setup scripts. It is not necessary to use the `--command-packages` option or to monkeypatch the `distutils.command` package to install your commands; `setuptools` automatically adds a wrapper to the distutils to search for entry points in the active distributions on `sys.path`. In fact, this is how setuptools' own commands are installed: the setuptools project's setup script defines entry points for them!

Adding `setup()` Arguments
---------------------------

Sometimes, your commands may need additional arguments to the `setup()` call. You can enable this by defining entry points in the `distutils.setup_keywords` group. For example, if you wanted a `setup()` argument called `bar_baz`, you might add something like this to your distutils extension project's setup script:

```python
setup(
    # ...
    entry_points = {
        "distutils.commands": [
            "foo = mypackage.some_module:foo",
        ],
        "distutils.setup_keywords": [
            "bar_baz = mypackage.some_module:validate_bar_baz",
        ],
    },
)
```

The idea here is that the entry point defines a function that will be called to validate the `setup()` argument, if it's supplied. The `Distribution` object will have the initial value of the attribute set to `None`, and the validation function will only be called if the `setup()` call sets it to a non-None value. Here's an example validation function:

```python
def assert_bool(dist, attr, value):
    """Verify that value is True, False, 0, or 1""
    if bool(value) != value:
        raise DistutilsSetupError(            "%r must be a boolean value (got %r)" % (attr,value)
        )
```
Your function should accept three arguments: the ``Distribution`` object, the attribute name, and the attribute value. It should raise a ``DistutilsSetupError`` (from the ``distutils.errors`` module) if the argument is invalid. Remember, your function will only be called with non-None values, and the default value of arguments defined this way is always None. So, your commands should always be prepared for the possibility that the attribute will be ``None`` when they access it later.

If more than one active distribution defines an entry point for the same ``setup()`` argument, *all* of them will be called. This allows multiple distutils extensions to define a common argument, as long as they agree on what values of that argument are valid.

Also note that as with commands, it is not necessary to subclass or monkeypatch the distutils ``Distribution`` class in order to add your arguments; it is sufficient to define the entry points in your extension, as long as any setup script using your extension lists your project in its ``setup_requires`` argument.

Adding new EGG-INFO Files

-------------

Some extensible applications or frameworks may want to allow third parties to develop plugins with application or framework-specific metadata included in the plugins' EGG-INFO directory, for easy access via the ``pkg_resources`` metadata API. The easiest way to allow this is to create a distutils extension to be used from the plugin projects' setup scripts (via ``setup_requires``) that defines a new setup keyword, and then uses that data to write an EGG-INFO file when the ``egg_info`` command is run.

The ``egg_info`` command looks for extension points in an ``egg_info.writers`` group, and calls them to write the files. Here's a simple example of a distutils extension defining a setup argument ``foo_bar``, which is a list of lines that will be written to ``foo_bar.txt`` in the EGG-INFO directory of any project that uses the argument:

```python
setup(
    # ...
    entry_points = {
        "distutils.setup_keywords": [
            "foo_bar = setuptools.dist:assert_string_list",
        ],
        "egg_info.writers": [
            "foo_bar.txt = setuptools.command.egg_info:write_arg",
        ],
    },
)
```

This simple example makes use of two utility functions defined by setuptools for its own use: a routine to validate that a setup keyword is a sequence of strings, and another one that looks up a setup argument and writes it to a file. Here’s what the writer utility looks like:

```python
def write_arg(cmd, basename, filename):
    argname = os.path.splitext(basename)[0]
    value = getattr(cmd.distribution, argname, None)
    if value is not None:
        value = '
'.join(value)+'
    cmd.write_or_delete_file(argname, filename, value)
```

As you can see, ``egg_info.writers`` entry points must be a function taking three arguments: a ``egg_info`` command instance, the basename of the file to write (e.g. ``foo_bar.txt``), and the actual full filename that should be written to.

In general, writer functions should honor the command object's ``dry_run`` setting when writing files, and use the ``distutils.log`` object to do any console output. The easiest way to conform to this requirement is to use the ``cmd`` object's ``write_file()``, ``delete_file()`` and ``write_or_delete_file()`` methods exclusively for your file operations. See those methods' docstrings for more details.

### Adding Support for Other Revision Control Systems

If you would like to create a plugin for setuptools to find files in source control systems, you can do so by adding an entry point to the ``setuptools.file_finders`` group. The entry point should be a function accepting a single directory name, and should yield all the filenames within that directory (and any subdirectories thereof) that are under revision control.

For example, if you were going to create a plugin for a revision control system called "foobar", you would write a function something like this:

```python
.. code-block:: python

    def find_files_for_foobar(dirname):
        # loop to yield paths that start with `dirname`
```

And you would register it in a setup script using something like this:

```python
entry_points = {
```
"setuptools.file_finders": [
    "foobar = my_foobar_module:find_files_for_foobar"
]
}

Then, anyone who wants to use your plugin can simply install it, and their local setuptools installation will be able to find the necessary files.

It is not necessary to distribute source control plugins with projects that simply use the other source control system, or to specify the plugins in `setup_requires`. When you create a source distribution with the `sdist` command, setuptools automatically records what files were found in the SOURCES.txt file. That way, recipients of source distributions don't need to have revision control at all. However, if someone is working on a package by checking out with that system, they will need the same plugin(s) that the original author is using.

A few important points for writing revision control file finders:

* Your finder function MUST return relative paths, created by appending to the passed-in directory name. Absolute paths are NOT allowed, nor are relative paths that reference a parent directory of the passed-in directory.

* Your finder function MUST accept an empty string as the directory name, meaning the current directory. You MUST NOT convert this to a dot; just yield relative paths. So, yielding a subdirectory named `some/dir` under the current directory should NOT be rendered as `./some/dir` or `/somewhere/some/dir`, but *always* as simply `some/dir`.

* Your finder function SHOULD NOT raise any errors, and SHOULD deal gracefully with the absence of needed programs (i.e., ones belonging to the revision control system itself. It *may*, however, use `distutils.log.warn()` to inform the user of the missing program(s).

Subclassing `Command`
-----------------------

Sorry, this section isn't written yet, and neither is a lot of what's below this point.

XXX

Reusing `setuptools` Code
==========================

``ez_setup``
Mailing List and Bug Tracker

Please use the `distutils-sig mailing list`_ for questions and discussion about setuptools, and the `setuptools bug tracker`_ ONLY for issues you have confirmed via the list are actual bugs, and which you have reduced to a minimal set of steps to reproduce.

.. _distutils-sig mailing list: http://mail.python.org/pipermail/distutils-sig/
.. _setuptools bug tracker: https://bitbucket.org/pypa/setuptools/

No license file was found, but licenses were detected in source scan.

# Permission is hereby granted, free of charge, to any person obtaining a copy
# of this software and associated documentation files (the "Software"), to deal
# to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
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# The above copyright notice and this permission notice shall be included in all
# copies or substantial portions of the Software.

Found in path(s):
* /opt/cola/permits/1121503786_1610155401.46/0/setuptools-19-6-2-1-tar-gz/setuptools-19.6.2/docs/setuptools.txt
* /opt/cola/permits/1121503786_1610155401.46/0/setuptools-19-6-2-1-tar-gz/setuptools-19.6.2/pkg_resources/_vendor/six.py
No license file was found, but licenses were detected in source scan.

========
CHANGES
========

19.6.2
-----

* Issue #491: Correct regression incurred in 19.4 where a double-namespace package installed using pip would cause a TypeError.

19.6.1
-----

* Restore compatibility for PyPy 3 compatibility lost in 19.4.1 addressing Issue #487.
* `setuptools.launch` shim now loads scripts in a new namespace, avoiding getting relative imports from the setuptools package on Python 2.

19.6
----

* Added a new entry script `setuptools.launch`, implementing the shim found in `pip.util.setuptools_build`. Use this command to launch distutils-only packages under setuptools in the same way that pip does, causing the setuptools monkeypatching of distutils to be invoked prior to invoking a script. Useful for debugging or otherwise installing a distutils-only package under setuptools when pip isn't available or otherwise does not expose the desired functionality. For example:

```bash
$ python -m setuptools.launch setup.py develop
```

* Issue #488: Fix dual manifestation of Extension class in extension packages installed as dependencies when Cython is present.

19.5
----

* Issue #486: Correct TypeError when getfilesystemencoding returns None.
* Issue #139: Clarified the license as MIT.
* Pull Request #169: Removed special handling of command
spec in scripts for Jython.

19.4.1
-----

* Issue #487: Use direct invocation of `importlib.machinery` in `pkg_resources` to avoid missing detection on relevant platforms.

19.4
----

* Issue #341: Correct error in path handling of package data files in "build_py" command when package is empty.
* Distribute #323, Issue #141, Issue #207, and Pull Request #167: Another implementation of `pkg_resources.WorkingSet` and `pkg_resources.Distribution` that supports replacing an extant package with a new one, allowing for setup_requires dependencies to supersede installed packages for the session.

19.3
----

* Issue #229: Implement new technique for readily incorporating dependencies conditionally from vendored copies or primary locations. Adds a new dependency on six.

19.2
----

* Pull Request #163: Add get_command_list method to Distribution.
* Pull Request #162: Add missing whitespace to multiline string literals.

19.1.1
-----

* Issue #476: Cast version to string (using default encoding) to avoid creating Unicode types on Python 2 clients.
* Issue #477: In Powershell downloader, use explicit rendering of strings, rather than rely on `repr`, which can be incorrect (especially on Python 2).

19.1
----

* Issue #215: The bootstrap script `ez_setup.py` now
automatically detects
the latest version of setuptools (using PyPI JSON API) rather
than hard-coding a particular value.
* Issue #475: Fix incorrect usage in _translate_metadata2.

19.0
----

  Interpolated values are no longer honored in .pypirc files.

18.8.1
------

* Issue #440: Prevent infinite recursion when a SandboxViolation
  or other UnpickleableException occurs in a sandbox context
  with setuptools hidden. Fixes regression introduced in Setuptools
  12.0.

18.8
----

* Deprecated `egg_info.get_pkg_info_revision`.
* Issue #471: Don't rely on repr for an HTML attribute value in
  package_index.
* Issue #419: Avoid errors in FileMetadata when the metadata directory
  is broken.
* Issue #472: Remove deprecated use of 'U' in mode parameter
  when opening files.

18.7.1
------

* Issue #469: Refactored logic for Issue #419 fix to re-use metadata
  loading from Provider.

18.7
----

* Update dependency on certify.
* Pull Request #160: Improve detection of gui script in
  ``easy_install._adjust_header``.
* Made `test.test_args` a non-data property; alternate fix
  for the issue reported in Pull Request #155.
* Issue #453: In ``ez_setup`` bootstrap module, unload all
  ``pkg_resources`` modules following download.
* Pull Request #158: Honor `PEP-488`
  <https://www.python.org/dev/peps/pep-0488/> when excluding
files for namespace packages.
* Issue #419 and Pull Request #144: Add experimental support for reading the version info from distutils-installed metadata rather than using the version in the filename.

18.6.1
-----

* Issue #464: Correct regression in invocation of superclass on old-style class on Python 2.

18.6
----

* Issue #439: When installing entry_point scripts under development, omit the version number of the package, allowing any version of the package to be used.

18.5
----

* In preparation for dropping support for Python 3.2, a warning is now logged when pkg_resources is imported on Python 3.2 or earlier Python 3 versions.
* `Add support for python_platform_implementation environment marker <https://github.com/jaraco/setuptools/pull/28>`_.
* `Fix dictionary mutation during iteration <https://github.com/jaraco/setuptools/pull/29>`_.

18.4
----

* Issue #446: Test command now always invokes unittest, even if no test suite is supplied.

18.3.2
-----

* Correct another regression in setuptools.findall where the fix for Python #12885 was lost.

18.3.1
-----

* Issue #425: Correct regression in setuptools.findall.

18.3
----
* Setuptools now allows disabling of the manipulation of the sys.path during the processing of the easy-install.pth file. To do so, set the environment variable `SETUPTOOLS_SYS_PATH_TECHNIQUE` to anything but "rewrite" (consider "raw"). During any install operation with manipulation disabled, setuptools packages will be appended to sys.path naturally.

Future versions may change the default behavior to disable manipulation. If so, the default behavior can be retained by setting the variable to "rewrite".

* Issue #257: `easy_install --version` now shows more detail about the installation location and Python version.

* Refactor setuptools.findall in preparation for re-submission back to distutils.

18.2
----

* Issue #412: More efficient directory search in `find_packages`.

18.1
----

* Upgrade to vendored packaging 15.3.

18.0.1
------

* Issue #401: Fix failure in test suite.

18.0
----

* Dropped support for builds with Pyrex. Only Cython is supported.

* Issue #288: Detect Cython later in the build process, after `setup_requires` dependencies are resolved. Projects backed by Cython can now be readily built with a `setup_requires` dependency. For example::

```python
ext = setuptools.Extension('mylib', ['src/CythonStuff.pyx', 'src/CStuff.c'])
setuptools.setup(
    ...,
    ext_modules=[ext],
    setup_requires=['cython'],
)```
For compatibility with older versions of setuptools, packagers should still include `src/CythonMod.c` in the source distributions or require that Cython be present before building source distributions. However, for systems with this build of setuptools, Cython will be downloaded on demand.

* Issue #396: Fixed test failure on OS X.
* Pull Request #136: Remove excessive quoting from shebang headers for Jython.

17.1.1
-----

* Backed out unintended changes to pkg_resources, restoring removal of deprecated imp module (`ref <https://bitbucket.org/pypa/setuptools/commits/f572ec9563d647fa8d4f6534f2af8070ea07a8b#comment-1881283>`_).

17.1
----

* Issue #380: Add support for range operators on environment marker evaluation.

17.0
----

* Issue #378: Do not use internal importlib._bootstrap module.
* Issue #390: Disallow console scripts with path separators in the name. Removes unintended functionality and brings behavior into parity with pip.

16.0
----

* Pull Request #130: Better error messages for errors in parsed requirements.
* Pull Request #133: Removed `setuptools.tests` from the installed packages.
* Pull Request #129: Address deprecation warning due to usage of imp module.

15.2
----

* Issue #373: Provisionally expose `pkg_resources._initialize_master_working_set`, allowing for imperative re-initialization of the master working set.
15.1
---

* Updated to Packaging 15.1 to address Packaging #28.
* Fix `setuptools.sandbox._execfile()` with Python 3.1.

15.0
---

* Pull Request #126: DistributionNotFound message now lists the package or packages that required it. E.g.::

    pkg_resources.DistributionNotFound: The 'colorama>=0.3.1' distribution was not found and is required by smlib.log.

    Note that zc.buildout once depended on the string rendering of this message to determine the package that was not found. This expectation has since been changed, but older versions of buildout may experience problems. See Buildout #242 for details.

14.3.1
-----

* Issue #364: Replace deprecated usage with recommended usage of `EntryPoint.load`.

14.3
---

* Issue #254: When creating temporary egg cache on Unix, use mode 755 for creating the directory to avoid the subsequent warning if the directory is group writable.

14.2
---

* Issue #137: Update `Distribution.hashcmp` so that Distributions with None for pyversion or platform can be compared against Distributions defining those attributes.

14.1.1
-----

* Issue #360: Removed undesirable behavior from test runs, preventing write tests and installation to system site packages.
* Pull Request #125: Add `__ne__` to Requirement class.
* Various refactoring of easy_install.

14.0
----

* Bootstrap script now accepts `--to-dir` to customize save directory or allow for re-use of existing repository of setuptools versions. See Pull Request #112 for background.
* Issue #285: `easy_install` no longer will default to installing packages to the "user site packages" directory if it is itself installed there. Instead, the user must pass `--user` in all cases to install packages to the user site packages. This behavior now matches that of "pip install". To configure an environment to always install to the user site packages, consider using the "install-dir" and "scripts-dir" parameters to easy_install through an appropriate distutils config file.

13.0.2
-----

* Issue #359: Include pytest.ini in the sdist so invocation of py.test on the sdist honors the pytest configuration.

13.0.1
-----

Re-release of 13.0. Intermittent connectivity issues caused the release process to fail and PyPI uploads no longer accept files for 13.0.

13.0
----

* Issue #356: Back out Pull Request #119 as it requires Setuptools 10 or later as the source during an upgrade.
* Removed build_py class from setup.py. According to 892f439d216e, this functionality was added to support upgrades from old Distribute versions, 0.6.5 and 0.6.6.

12.4
----

* Pull Request #119: Restore writing of `setup_requires` to metadata (previously added in 8.4 and removed in 9.0).
12.3

* Documentation is now linked using the rst.linker package.
* Fix `setuptools.command.easy_install.extract_wininst_cfg()` with Python 2.6 and 2.7.
* Issue #354. Added documentation on building setuptools documentation.

12.2

* Issue #345: Unload all modules under pkg_resources during `ez_setup.use_setuptools()`.
* Issue #336: Removed deprecation from `ez_setup.use_setuptools`, as it is clearly still used by buildout's bootstrap. `ez_setup` remains deprecated for use by individual packages.
* Simplified implementation of `ez_setup.use_setuptools`.

12.1

* Pull Request #118: Soften warning for non-normalized versions in Distribution.

12.0.5

* Issue #339: Correct Attribute reference in `cant_write_to_target`.
* Issue #336: Deprecated `ez_setup.use_setuptools`.

12.0.4

* Issue #335: Fix script header generation on Windows.

12.0.3

* Fixed incorrect class attribute in `install_scripts`. Tests would be nice.

12.0.2

* Issue #331: Fixed `install_scripts` command on Windows systems corrupting the header.
12.0.1
-----

* Restore ``setuptools.command.easy_install.sys_executable`` for pbr compatibility. For the future, tools should construct a CommandSpec explicitly.

12.0
----

* Issue #188: setuptools now support multiple entities in the value for ``build.executable``, such that an executable of ``/usr/bin/env my-python`` may be specified. This means that systems with a specified executable whose name has spaces in the path must be updated to escape or quote that value.
* Deprecated ``easy_install.ScriptWriter.get_writer``, replaced by ``.best()`` with slightly different semantics (no force_windows flag).

11.3.1
-----

* Issue #327: Formalize and restore support for any printable character in an entry point name.

11.3
----

* Expose ``EntryPoint.resolve`` in place of EntryPoint._load, implementing the simple, non-requiring load. Deprecated all uses of ``EntryPoint._load`` except for calling with no parameters, which is just a shortcut for ``ep.require(); ep.resolve();``.

Apps currently invoking ``ep.load(require=False)`` should instead do the following if wanting to avoid the deprecating warning::

```
getattr(ep, "resolve", lambda: ep.load(require=False))()
```

11.2
----

* Pip #2326: Report deprecation warning at stacklevel 2 for easier diagnosis.

11.1
----

* Issue #281: Since setuptools 6.1 (Issue #268), a ValueError would be raised in certain cases where VersionConflict was raised with two arguments, which occurred in ``pkg_resources.WorkingSet.find``. This release adds support for indicating the dependent packages while maintaining support for
a VersionConflict when no dependent package context is known. New unit tests now capture the expected interface.

11.0
----

* Interop #3: Upgrade to Packaging 15.0; updates to PEP 440 so that >1.7 does not exclude 1.7.1 but does exclude 1.7.0 and 1.7.0.post1.

10.2.1
-----

* Issue #323: Fix regression in entry point name parsing.

10.2
----

* Deprecated use of EntryPoint.load(require=False). Passing a boolean to a function to select behavior is an anti-pattern. Instead use `Entrypoint._load()`.
* Substantial refactoring of all unit tests. Tests are now much leaner and re-use a lot of fixtures and contexts for better clarity of purpose.

10.1
----

* Issue #320: Added a compatibility implementation of `sdist._default_revctrl` so that systems relying on that interface do not fail (namely, Ubuntu 12.04 and similar Debian releases).

10.0.1
-----

* Issue #319: Fixed issue installing pure distutils packages.

10.0
----

* Issue #313: Removed built-in support for subversion. Projects wishing to retain support for subversion will need to use a third party library. The extant implementation is being ported to `setuptools_svn` <https://pypi.python.org/pypi/setuptools_svn>.
* Issue #315: Updated setuptools to hide its own loaded modules during installation of another package. This change will enable setuptools to upgrade (or downgrade) itself even when its own metadata and implementation change.
9.1
---

* Prefer vendored packaging library as recommended
  <https://github.com/jaraco/setuptools/commit/170657b68f4b92e7e1bf82f5e19a831f5744af67#commitcomment-9109448>.

9.0.1
-----

* Issue #312: Restored presence of pkg_resources API tests (doctest) to sdist.

9.0
---

* Issue #314: Disabled support for `setup_requires` metadata to avoid issue where Setuptools was unable to upgrade over earlier versions.

8.4
---

* Pull Request #106: Now write `setup_requires` metadata.

8.3
---

* Issue #311: Decoupled pkg_resources from setuptools once again. `pkg_resources` is now a package instead of a module.

8.2.1
-----

* Issue #306: Suppress warnings about Version format except in select scenarios (such as installation).

8.2
---

* Pull Request #85: Search egg-base when adding egg-info to manifest.

8.1
---

* Upgrade `packaging` to 14.5, giving preference to "rc" as designator for release candidates over "c".
* PEP-440 warnings are now raised as their own class, `pkg_resources.PEP440Warning`, instead of RuntimeWarning.
* Disabled warnings on empty versions.
8.0.4
-----

* Upgrade `packaging` to 14.4, fixing an error where there is a different result for if 2.0.5 is contained within >2.0dev and >2.0.dev even though normalization rules should have made them equal.
* Issue #296: Add warning when a version is parsed as legacy. This warning will make it easier for developers to recognize deprecated version numbers.

8.0.3
-----

* Issue #296: Restored support for `__hash__` on parse_version results.

8.0.2
-----

* Issue #296: Restored support for `__getitem__` and sort operations on parse_version result.

8.0.1
-----

* Issue #296: Restore support for iteration over parse_version result, but deprecated that usage with a warning. Fixes failure with buildout.

8.0
---

* Implement `PEP 440 <http://legacy.python.org/dev/peps/pep-0440/>`_ within pkg_resources and setuptools. This change deprecates some version numbers such that they will no longer be installable without using the `===` escape hatch. See the changes to test_resources <https://bitbucket.org/pypa/setuptools/commits/dcd552da643c4448056de84c73d56da6d70769d5#chg-setuptools/tests/test_resources.py>`_ for specific examples of version numbers and specifiers that are no longer supported. Setuptools now "vendors" the `packaging <https://github.com/pypa/packaging>`_ library.

7.0
---

* Issue #80, Issue #209: Eggs that are downloaded for `setup_requires`, `test_requires`, etc. are now placed in a `./eggs` directory instead of directly in the current directory. This choice of location means the files can be readily managed (removed, ignored). Additionally, later phases or invocations of setuptools will not detect the package as
already installed and ignore it for permanent install (See #209).

This change is indicated as backward-incompatible as installations that depend on the installation in the current directory will need to account for the new location. Systems that ignore `*.egg` will probably need to be adapted to ignore `.eggs`. The files will need to be manually moved or will be retrieved again. Most use cases will require no attention.

6.1
---

* Issue #268: When resolving package versions, a VersionConflict now reports which package previously required the conflicting version.

6.0.2
-----

* Issue #262: Fixed regression in pip install due to egg-info directories being omitted. Re-opens Issue #118.

6.0.1
-----

* Issue #259: Fixed regression with namespace package handling on `single version, externally managed` installs.

6.0
---

* Issue #100: When building a distribution, Setuptools will no longer match default files using platform-dependent case sensitivity, but rather will only match the files if their case matches exactly. As a result, on Windows and other case-insensitive file systems, files with names such as `readme.txt` or `README.TXT` will be omitted from the distribution and a warning will be issued indicating that `README.txt` was not found. Other filenames affected are:

- README.rst
- README
- setup.cfg
- setup.py (or the script name)
- test/test*.py

Any users producing distributions with filenames that match those above case-insensitively, but not case-sensitively, should rename those files in their repository for better portability.

* Pull Request #72: When using `single_versionExternallyManaged`, the exclusion list now includes Python 3.2 `__pycache__` entries.
* Pull Request #76 and Pull Request #78: lines in top_level.txt are now ordered deterministically.
* Issue #118: The egg-info directory is now no longer included in the list of outputs.
* Issue #258: Setuptools now patches distutils msvc9compiler to recognize the specially-packaged compiler package for easy extension module support on Python 2.6, 2.7, and 3.2.

5.8
---

* Issue #237: `pkg_resources` now uses explicit detection of Python 2 vs. Python 3, supporting environments where builtins have been patched to make Python 3 look more like Python 2.

5.7
---

* Issue #240: Based on real-world performance measures against 5.4, zip manifests are now cached in all circumstances. The `PKG_RESOURCES_CACHE_ZIP_MANIFESTS` environment variable is no longer relevant. The observed "memory increase" referenced in the 5.4 release notes and detailed in Issue #154 was likely not an increase over the status quo, but rather only an increase over not storing the zip info at all.

5.6
---

* Issue #242: Use absolute imports in svn_utils to avoid issues if the installing package adds an xml module to the path.

5.5.1
-----

* Issue #239: Fix typo in 5.5 such that fix did not take.

5.5
---

* Issue #239: Setuptools now includes the setup_requires directive on Distribution objects and validates the syntax just like install_requires and tests_require directives.

5.4.2
-----

* Issue #236: Corrected regression in execfile implementation for Python 2.6.
5.4.1
-----

* Python #7776: (ssl_support) Correct usage of host for validation when tunneling for HTTPS.

5.4
---

* Issue #154: `pkg_resources` will now cache the zip manifests rather than re-processing the same file from disk multiple times, but only if the environment variable `PKG_RESOURCES_CACHE_ZIP_MANIFESTS` is set. Clients that package many modules in the same zip file will see some improvement in startup time by enabling this feature. This feature is not enabled by default because it causes a substantial increase in memory usage.

5.3
---

* Issue #185: Make svn tagging work on the new style SVN metadata. Thanks cazabon!
* Prune revision control directories (e.g .svn) from base path as well as sub-directories.

5.2
---

* Some code refactoring and cleanup was done with no intended behavioral changes.
* During install_egg_info, the generated lines for namespace package .pth files are now processed even during a dry run.

5.1
---

* Issue #202: Implemented more robust cache invalidation for the ZipImporter, building on the work in Issue #168. Special thanks to Jurko Gospodnetic and PJE.

5.0.2
-----

* Issue #220: Restored script templates.

5.0.1
-----

* Issue #220: Restored script templates.
* Renamed script templates to end with .tmpl now that they no longer need to be processed by 2to3. Fixes spurious syntax errors during build/install.

5.0
---

* Issue #218: Re-release of 3.8.1 to signal that it supersedes 4.x.
* Incidentally, script templates were updated not to include the triple-quote escaping.

3.7.1 and 3.8.1 and 4.0.1
-------------------------

* Issue #213: Use legacy StringIO behavior for compatibility under pbr.
* Issue #218: Setuptools 3.8.1 superseded 4.0.1, and 4.x was removed from the available versions to install.

4.0
---

* Issue #210: `setup.py develop` now copies scripts in binary mode rather than text mode, matching the behavior of the `install` command.

3.8
---

* Extend Issue #197 workaround to include all Python 3 versions prior to 3.2.2.

3.7
---

* Issue #193: Improved handling of Unicode filenames when building manifests.

3.6
---

* Issue #203: Honor proxy settings for Powershell downloader in the bootstrap routine.

3.5.2
-----

* Issue #168: More robust handling of replaced zip files and stale caches. Fixes ZipImportError complaining about a 'bad local header'.
* Issue #199: Restored `install._install` for compatibility with earlier
  NumPy versions.

3.5
---

* Issue #195: Follow symbolic links in find_packages (restoring behavior
  broken in 3.4).
* Issue #197: On Python 3.1, PKG-INFO is now saved in a UTF-8 encoding instead
  of `sys.getpreferredencoding` to match the behavior on Python 2.6-3.4.
* Issue #192: Preferred bootstrap location is now
  https://bootstrap.pypa.io/ez_setup.py (mirrored from former location).

3.4.4
-----

* Issue #184: Correct failure where find_package over-matched packages
  when directory traversal isn't short-circuited.

3.4.3
-----

* Issue #183: Really fix test command with Python 3.1.

3.4.2
-----

* Issue #183: Fix additional regression in test command on Python 3.1.

3.4.1
-----

* Issue #180: Fix regression in test command not caught by py.test-run tests.

3.4
---

* Issue #176: Add parameter to the test command to support a custom test
  runner: --test-runner or -r.
* Issue #177: Now assume most common invocation to install command on
  platforms/environments without stack support (issuing a warning). SetupTools
  now installs naturally on IronPython. Behavior on CPython should be
  unchanged.
* Add `include` parameter to `setup.find_packages()`.

3.2
---

* Pull Request #39: Add support for C++ targets from Cython `.pyx` files.
* Issue #162: Update dependency on certifi to 1.0.1.
* Issue #164: Update dependency on wincertstore to 0.2.

3.1
---

* Issue #161: Restore Features functionality to allow backward compatibility (for Features) until the uses of that functionality is sufficiently removed.

3.0.2
-----

* Correct typo in previous bugfix.

3.0.1
-----

* Issue #157: Restore support for Python 2.6 in bootstrap script where `zipfile.ZipFile` does not yet have support for context managers.

3.0
---

* Issue #125: Prevent Subversion support from creating a `~/.subversion` directory just for checking the presence of a Subversion repository.
* Issue #12: Namespace packages are now imported lazily. That is, the mere declaration of a namespace package in an egg on `sys.path` no longer causes it to be imported when `pkg_resources` is imported. Note that this change means that all of a namespace package's `__init__.py` files must include a `declare_namespace()` call in order to ensure that they will be handled properly at runtime. In 2.x it was possible to get away without including the declaration, but only at the cost of forcing namespace packages to be imported early, which 3.0 no longer does.
* Issue #148: When building (bdist_egg), setuptools no longer adds `__init__.py` files to namespace packages. Any packages that rely on this behavior will need to create `__init__.py` files and include the `declare_namespace()`.
* Issue #7: Setuptools itself is now distributed as a zip archive in addition to tar archive. `ez_setup.py` now uses zip archive. This approach avoids the potential security vulnerabilities presented by use of tar archives in `ez_setup.py`. 
It also leverages the security features added to ZipFile.extract in Python 2.7.4.
* Issue #65: Removed deprecated Features functionality.
* Pull Request #28: Remove backport of `\_bytecode_filenames` which is available in Python 2.6 and later, but also has better compatibility with Python 3 environments.
* Issue #156: Fix spelling of __PYVENV_LAUNCHER__ variable.

2.2
---

* Issue #141: Restored fix for allowing setup_requires dependencies to override installed dependencies during setup.
* Issue #128: Fixed issue where only the first dependency link was honored in a distribution where multiple dependency links were supplied.

2.1.2
-----

* Issue #144: Read long_description using codecs module to avoid errors installing on systems where LANG=C.

2.1.1
-----

* Issue #139: Fix regression in re_finder for CVS repos (and maybe Git repos as well).

2.1
---

* Issue #131: Fix RuntimeError when constructing an egg fetcher.

2.0.2
-----

* Fix NameError during installation with Python implementations (e.g. Jython) not containing parser module.
* Fix NameError in `\sdist:re_finder`.

2.0.1
-----

* Issue #124: Fixed error in list detection in upload_docs.

2.0
---
* Issue #121: Exempt lib2to3 pickled grammars from DirectorySandbox.
* Issue #41: Dropped support for Python 2.4 and Python 2.5. Clients requiring
  setuptools for those versions of Python should use setuptools 1.x.
* Removed `setuptools.command.easy_install.HAS_USER_SITE`. Clients
  expecting this boolean variable should use `site.ENABLE_USER_SITE`
  instead.
* Removed `pkg_resources.ImpWrapper`. Clients that expected this class
  should use `pkgutil.ImpImporter` instead.

1.4.2
-----

* Issue #116: Correct TypeError when reading a local package index on Python
  3.

1.4.1
-----

* Issue #114: Use `sys.getfilesystemencoding` for decoding config in
  `bdist_wininst` distributions.

* Issue #105 and Issue #113: Establish a more robust technique for
determining the terminal encoding::

  1. Try `getpreferredencoding`
  2. If that returns US_ASCII or None, try the encoding from
     `getdefaultlocale`. If that encoding was a "fallback" because Python
     could not figure it out from the environment or OS, encoding remains
     unresolved.
  3. If the encoding is resolved, then make sure Python actually implements
     the encoding.
  4. On the event of an error or unknown codec, revert to fallbacks
     (UTF-8 on Darwin, ASCII on everything else).
  5. On the encoding is 'mac-roman' on Darwin, use UTF-8 as 'mac-roman' was
     a bug on older Python releases.

On a side note, it would seem that the encoding only matters for when SVN
does not yet support `--xml` and when getting repository and svn version
numbers. The `--xml` technique should yield UTF-8 according to some
messages on the SVN mailing lists. So if the version numbers are always
7-bit ASCII clean, it may be best to only support the file parsing methods
for legacy SVN releases and support for SVN without the subprocess command
would simple go away as support for the older SVNs does.

1.4
---
* Issue #27: `easy_install` will now use credentials from .pypirc if present for connecting to the package index.
* Pull Request #21: Omit unwanted newlines in `package_index._encode_auth` when the username/password pair length indicates wrapping.

1.3.2
-----

* Issue #99: Fix filename encoding issues in SVN support.

1.3.1
-----

* Remove exuberant warning in SVN support when SVN is not used.

1.3
---

* Address security vulnerability in SSL match_hostname check as reported in Python #17997.
* Prefer `backports.ssl_match_hostname` `<https://pypi.python.org/pypi/backports.ssl_match_hostname>` for backport implementation if present.
* Correct NameError in `ssl_support` module (`socket.error`).

1.2
---

* Issue #26: Add support for SVN 1.7. Special thanks to Philip Thiem for the contribution.
* Issue #93: Wheels are now distributed with every release. Note that as reported in Issue #108, as of Pip 1.4, scripts aren't installed properly from wheels. Therefore, if using Pip to install setuptools from a wheel, the `easy_install` command will not be available.
* Setuptools "natural" launcher support, introduced in 1.0, is now officially supported.

1.1.7
-----

* Fixed behavior of NameError handling in `script template (dev).py` (script launcher for 'develop' installs).
* `ez_setup.py` now ensures partial downloads are cleaned up following a failed download.
* Distribute #363 and Issue #55: Skip an sdist test that fails on locales other than UTF-8.

1.1.6
* Distribute #349: ```sandbox.execfile``` now opens the target file in binary mode, thus honoring a BOM in the file when compiled.

1.1.5
-----

* Issue #69: Second attempt at fix (logic was reversed).

1.1.4
-----

* Issue #77: Fix error in upload command (Python 2.4).

1.1.3
-----

* Fix NameError in previous patch.

1.1.2
-----

* Issue #69: Correct issue where 404 errors are returned for URLs with fragments in them (such as #egg=).

1.1.1
-----

* Issue #75: Add ```--insecure``` option to ez_setup.py to accommodate environments where a trusted SSL connection cannot be validated.
* Issue #76: Fix AttributeError in upload command with Python 2.4.

1.1
---

* Issue #71 (Distribute #333): EasyInstall now puts less emphasis on the condition when a host is blocked via ```--allow-hosts```
* Issue #72: Restored Python 2.4 compatibility in ```ez_setup.py```.

1.0
---

* Issue #60: On Windows, Setuptools supports deferring to another launcher, such as Vinay Sajip's ```pylauncher <https://bitbucket.org/pypa/pylauncher>``` (included with Python 3.3) to launch console and GUI scripts and not install its own launcher executables. This experimental functionality is currently only enabled if the ```SETUPTOOLS_LAUNCHER``` environment variable is set to
“natural”. In the future, this behavior may become default, but only after it has matured and seen substantial adoption. The ``SETUPTOOLS_LAUNCHER`` also accepts "executable" to force the default behavior of creating launcher executables.

* Issue #63: Bootstrap script (ez_setup.py) now prefers Powershell, curl, or wget for retrieving the Setuptools tarball for improved security of the install. The script will still fall back to a simple `urlopen` on platforms that do not have these tools.

* Issue #65: Deprecated the ``Features`` functionality.

* Issue #52: In ``VerifyingHTTPSConn``, handle a tunnelled (proxied) connection.

Backward-Incompatible Changes
================================

This release includes a couple of backward-incompatible changes, but most if not all users will find 1.0 a drop-in replacement for 0.9.

* Issue #50: Normalized API of environment marker support. Specifically, removed line number and filename from SyntaxErrors when returned from `pkg_resources.invalid_marker`. Any clients depending on the specific string representation of exceptions returned by that function may need to be updated to account for this change.

* Issue #50: SyntaxErrors generated by `pkg_resources.invalid_marker` are normalized for cross-implementation consistency.

* Removed ``--ignore-conflicts-at-my-risk`` and ``--delete-conflicting`` options to easy_install. These options have been deprecated since 0.6a11.

0.9.8
-----

* Issue #53: Fix NameErrors in `_vcs_split_rev_from_url`.

0.9.7
-----

* Issue #49: Correct AttributeError on PyPy where a hashlib.HASH object does not have a `.name` attribute.

* Issue #34: Documentation now refers to bootstrap script in code repository referenced by bookmark.

* Add underscore-separated keys to environment markers (markerlib).

0.9.6
-----

* Issue #44: Test failure on Python 2.4 when MD5 hash doesn't have a `.name` attribute.
0.9.5
-----
* Python #17980: Fix security vulnerability in SSL certificate validation.

0.9.4
-----
* Issue #43: Fix issue (introduced in 0.9.1) with version resolution when upgrading over other releases of Setuptools.

0.9.3
-----
* Issue #42: Fix new `AttributeError` introduced in last fix.

0.9.2
-----
* Issue #42: Fix regression where blank checksums would trigger an `AttributeError`.

0.9.1
-----
* Distribute #386: Allow other positional and keyword arguments to os.open.
* Corrected dependency on certifi mis-referenced in 0.9.

0.9
---
* `package_index` now validates hashes other than MD5 in download links.

0.8
---
* Code base now runs on Python 2.4 - Python 3.3 without Python 2to3 conversion.

0.7.8
-----
* Distribute #375: Yet another fix for yet another regression.

0.7.7
-----
* Distribute #375: Repair AttributeError created in last release (redo).
* Issue #30: Added test for get_cache_path.

0.7.6
-----

* Distribute #375: Repair AttributeError created in last release.

0.7.5
-----

* Issue #21: Restore Python 2.4 compatibility in `test_easy_install`.
* Distribute #375: Merged additional warning from Distribute 0.6.46.
* Now honor the environment variable `SETUPTOOLS_DISABLE_VERSIONED_EASY_INSTALL_SCRIPT` in addition to the now deprecated `DISTRIBUTION_DISABLE_VERSIONED_EASY_INSTALL_SCRIPT`.

0.7.4
-----

* Issue #20: Fix comparison of parsed SVN version on Python 3.

0.7.3
-----

* Issue #1: Disable installation of Windows-specific files on non-Windows systems.
* Use new sysconfig module with Python 2.7 or >=3.2.

0.7.2
-----

* Issue #14: Use markerlib when the `parser` module is not available.
* Issue #10: `ez_setup.py` now uses HTTPS to download setuptools from PyPI.

0.7.1
-----

* Fix NameError (Issue #3) again - broken in bad merge.

0.7
---

* Merged Setuptools and Distribute. See docs/merge.txt for details.

Added several features that were slated for setuptools 0.6c12:

* Index URL now defaults to HTTPS.
* Added experimental environment marker support. Now clients may designate a PEP-426 environment marker for "extra" dependencies. Setuptools uses this
feature in `setup.py` for optional SSL and certificate validation support on older platforms. Based on Distutils-SIG discussions, the syntax is somewhat tentative. There should probably be a PEP with a firmer spec before the feature should be considered suitable for use.

* Added support for SSL certificate validation when installing packages from an HTTPS service.

0.7b4
-----

* Issue #3: Fixed NameError in SSL support.

0.6.49
-----

* Move warning check in `get_cache_path` to follow the directory creation to avoid errors when the cache path does not yet exist. Fixes the error reported in Distribute #375.

0.6.48
-----

* Correct AttributeError in `ResourceManager.get_cache_path` introduced in 0.6.46 (redo).

0.6.47
-----

* Correct AttributeError in `ResourceManager.get_cache_path` introduced in 0.6.46.

0.6.46
-----

* Distribute #375: Issue a warning if the PYTHON_EGG_CACHE or otherwise customized egg cache location specifies a directory that's group- or world-writable.

0.6.45
-----

* Distribute #379: `distribute_setup.py` now traps VersionConflict as well, restoring ability to upgrade from an older setuptools version.

0.6.44
-----

* `distribute_setup.py` has been updated to allow Setuptools 0.7 to
satisfy use_setuptools.

0.6.43
-----

* Distribute #378: Restore support for Python 2.4 Syntax (regression in 0.6.42).

0.6.42
-----

* External links finder no longer yields duplicate links.
* Distribute #337: Moved site.py to setuptools/site-patch.py (graft of very old patch from setuptools trunk which inspired PR #31).

0.6.41
-----

* Distribute #27: Use public api for loading resources from zip files rather than the private method `*_zip_directory_cache`.
* Added a new function `easy_install.get_win_launche` which may be used by third-party libraries such as buildout to get a suitable script launcher.

0.6.40
-----

* Distribute #376: brought back cli.exe and gui.exe that were deleted in the previous release.

0.6.39
-----

* Add support for console launchers on ARM platforms.
* Fix possible issue in GUI launchers where the subsystem was not supplied to the linker.
* Launcher build script now refactored for robustness.
* Distribute #375: Resources extracted from a zip egg to the file system now also check the contents of the file against the zip contents during each invocation of get_resource_filename.

0.6.38
-----

* Distribute #371: The launcher manifest file is now installed properly.

0.6.37
-----

* Distribute #143: Launcher scripts, including easy_install itself, are now
accompanied by a manifest on 32-bit Windows environments to avoid the Installer Detection Technology and thus undesirable UAC elevation described in this Microsoft article <http://technet.microsoft.com/en-us/library/cc709628%28WS.10%29.aspx>.

0.6.36
-----

* Pull Request #35: In Buildout #64, it was reported that under Python 3, installation of distutils scripts could attempt to copy the `__pycache__` directory as a file, causing an error, apparently only under Windows. Easy_install now skips all directories when processing metadata scripts.

0.6.35
-----

Note this release is backward-incompatible with distribute 0.6.23-0.6.34 in how it parses version numbers.

* Distribute #278: Restored compatibility with distribute 0.6.22 and setuptools 0.6. Updated the documentation to match more closely with the version parsing as intended in setuptools 0.6.

0.6.34
-----

* Distribute #341: 0.6.33 fails to build under Python 2.4.

0.6.33
-----

* Fix 2 errors with Jython 2.5.
* Fix 1 failure with Jython 2.5 and 2.7.
* Disable workaround for Jython scripts on Linux systems.
* Distribute #336: `setup.py` no longer masks failure exit code when tests fail.
* Fix issue in pkg_resources where try/except around a platform-dependent import would trigger hook load failures on Mercurial. See pull request 32 for details.
* Distribute #341: Fix a ResourceWarning.

0.6.32
-----

* Fix test suite with Python 2.6.
* Fix some DeprecationWarnings and ResourceWarnings.
* Distribute #335: Backed out `setup_requires` superceding installed requirements.
until regression can be addressed.

**0.6.31**

* Distribute #303: Make sure the manifest only ever contains UTF-8 in Python 3.
* Distribute #329: Properly close files created by tests for compatibility with Jython.
* Work around Jython #1980 and Jython #1981.
* Distribute #334: Provide workaround for packages that reference `sys.__stdout__` such as numpy does. This change should address `virtualenv #359 <https://github.com/pypa/virtualenv/issues/359>`_ as long as the system encoding is UTF-8 or the IO encoding is specified in the environment, i.e.:

    PYTHONIOENCODING=utf8 pip install numpy

* Fix for encoding issue when installing from Windows executable on Python 3.
* Distribute #323: Allow `setup_requires` requirements to supercede installed requirements. Added some new keyword arguments to existing `pkg_resources` methods. Also had to updated how __path__ is handled for namespace packages to ensure that when a new egg distribution containing a namespace package is placed on sys.path, the entries in __path__ are found in the same order they would have been in had that egg been on the path when pkg_resources was first imported.

**0.6.30**

* Distribute #328: Clean up temporary directories in distribute_setup.py.
* Fix fatal bug in distribute_setup.py.

**0.6.29**

* Pull Request #14: Honor file permissions in zip files.
* Distribute #327: Merged pull request #24 to fix a dependency problem with pip.
* Merged pull request #23 to fix https://github.com/pypa/virtualenv/issues/301.
* If Sphinx is installed, the `upload_docs` command now runs `build_sphinx` to produce uploadable documentation.
* Distribute #326: `upload_docs` provided mangled auth credentials under Python 3.
* Distribute #320: Fix check for "createable" in distribute_setup.py.
* Distribute #305: Remove a warning that was triggered during normal operations.
* Distribute #311: Print metadata in UTF-8 independent of platform.
* Distribute #303: Read manifest file with UTF-8 encoding under Python 3.
* Distribute #301: Allow to run tests of namespace packages when using 2to3.
* Distribute #304: Prevent import loop in site.py under Python 3.3.
* Distribute #283: Reenable scanning of `*.pyc` / `*.pyo` files on Python 3.3.
* Distribute #299: The develop command didn't work on Python 3, when using 2to3, as the egg link would go to the Python 2 source. Linking to the 2to3'd code in build/lib makes it work, although you will have to rebuild the module before testing it.
* Distribute #306: Even if 2to3 is used, we build in-place under Python 2.
* Distribute #307: Prints the full path when .svn/entries is broken.
* Distribute #313: Support for sdist subcommands (Python 2.7)
* Distribute #314: test_local_index() would fail an OS X.
* Distribute #310: Non-ascii characters in a namespace __init__.py causes errors.
* Distribute #218: Improved documentation on behavior of `package_data` and `include_package_data`. Files indicated by `package_data` are now included in the manifest.
* `distribute_setup.py` now allows a `--download-base` argument for retrieving distribute from a specified location.

0.6.28
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* Distribute #294: setup.py can now be invoked from any directory.
* Scripts are now installed honoring the umask.
* Added support for .dist-info directories.
* Distribute #283: Fix and disable scanning of `*.py` / `*.pyo` files on Python 3.3.

0.6.27
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* Support current snapshots of CPython 3.3.
* Distribute now recognizes README.rst as a standard, default readme file.
* Exclude 'encodings' modules when removing modules from sys.modules. Workaround for #285.
* Distribute #231: Don't fiddle with system python when used with buildout (bootstrap.py)

0.6.26
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* Distribute #183: Symlinked files are now extracted from source distributions.
* Distribute #227: Easy_install fetch parameters are now passed during the installation of a source distribution; now fulfillment of setup_requires dependencies will honor the parameters passed to easy_install.

0.6.25
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* Distribute #258: Workaround a cache issue
* Distribute #260: distribute_setup.py now accepts the --user parameter for Python 2.6 and later.
* Distribute #262: package_index.open_with_auth no longer throws LookupError on Python 3.
  * Distribute #269: AttributeError when an exception occurs reading Manifest.in on late releases of Python.
  * Distribute #272: Prevent TypeError when namespace package names are unicode and single-install-externally-managed is used. Also fixes PIP issue 449.
  * Distribute #273: Legacy script launchers now install with Python2/3 support.

0.6.24
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* Distribute #249: Added options to exclude 2to3 fixers

0.6.23
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* Distribute #244: Fixed a test
* Distribute #243: Fixed a test
* Distribute #239: Fixed a test
* Distribute #240: Fixed a test
* Distribute #241: Fixed a test
* Distribute #237: Fixed a test
* Distribute #238: easy_install now uses 64bit executable wrappers on 64bit Python
* Distribute #208: Fixed parsed_versions, it now honors post-releases as noted in the documentation
* Distribute #207: Windows cli and gui wrappers pass CTRL-C to child python process
* Distribute #227: easy_install now passes its arguments to setup.py bdist_egg
* Distribute #225: Fixed a NameError on Python 2.5, 2.4

0.6.21
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* Distribute #225: Fixed a regression on py2.4

0.6.20
------

* Distribute #135: Include url in warning when processing URLs in package_index.
* Distribute #212: Fix issue where easy_install fails on Python 3 on windows installer.
* Distribute #213: Fix typo in documentation.

0.6.19
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* Distribute #206: AttributeError: 'HTTPMessage' object has no attribute 'getheaders'

0.6.18
------
* Distribute #210: Fixed a regression introduced by Distribute #204 fix.

0.6.17
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* Support `DISTRIBUTE_DISABLE_VERSIONED_EASY_INSTALL_SCRIPT` environment variable to allow to disable installation of easy_install-${version} script.
* Support Python >=3.1.4 and >=3.2.1.
* Distribute #204: Don't try to import the parent of a namespace package in declare_namespace
* Distribute #196: Tolerate responses with multiple Content-Length headers
* Distribute #205: Sandboxing doesn't preserve working_set. Leads to setup_requires problems.

0.6.16
-----

* Builds sdist gztar even on Windows (avoiding Distribute #193).
* Distribute #192: Fixed metadata omitted on Windows when package_dir specified with forward-slash.
* Distribute #195: Cython build support.
* Distribute #200: Issues with recognizing 64-bit packages on Windows.

0.6.15
-----

* Fixed typo in bdist_egg
* Several issues under Python 3 has been solved.
* Distribute #146: Fixed missing DLL files after easy_install of windows exe package.

0.6.14
-----

* Distribute #170: Fixed unittest failure. Thanks to Toshio.
* Distribute #171: Fixed race condition in unitests cause deadlocks in test suite.
  * Distribute #143: Fixed a lookup issue with easy_install.
    Thanks to David and Zooko.
  * Distribute #174: Fixed the edit mode when its used with setuptools itself

0.6.13
-----

* Distribute #160: 2.7 gives ValueError("Invalid IPv6 URL")
* Distribute #150: Fixed using ~/.local even in a --no-site-packages virtualenv
* Distribute #163: scan index links before external links, and don't use the md5 when comparing two distributions
0.6.12
-----

* Distribute #149: Fixed various failures on 2.3/2.4

0.6.11
-----

* Found another case of SandboxViolation - fixed
* Distribute #15 and Distribute #48: Introduced a socket timeout of 15 seconds on url openings
* Added indexsidebar.html into MANIFEST.in
* Distribute #108: Fixed TypeError with Python3.1
* Distribute #121: Fixed --help install command trying to actually install.
* Distribute #112: Added an os.makedirs so that Tarek's solution will work.
* Distribute #133: Added --no-find-links to easy_install
* Added easy_install --user
* Distribute #100: Fixed develop --user not taking ',' in PYTHONPATH into account
* Distribute #134: removed spurious UserWarnings. Patch by VanLindberg
* Distribute #138: cant_write_to_target error when setup_requires is used.
* Distribute #147: respect the sys.dont_write_bytecode flag

0.6.10
-----

* Reverted change made for the DistributionNotFound exception because zc.buildout uses the exception message to get the name of the distribution.

0.6.9
-----

* Distribute #90: unknown setuptools version can be added in the working set
* Distribute #87: setup.py doesn't try to convert distribute_setup.py anymore
  Initial Patch by arfrever.
* Distribute #89: added a side bar with a download link to the doc.
* Distribute #86: fixed missing sentence in pkg_resources doc.
* Added a nicer error message when a DistributionNotFound is raised.
* Distribute #80: test_develop now works with Python 3.1
* Distribute #93: upload_docs now works if there is an empty sub-directory.
* Distribute #70: exec bit on non-exec files
* Distribute #99: now the standalone easy_install command doesn't uses a
"setup.cfg" if any exists in the working directory. It will use it
only if triggered by `install_requires` from a setup.py call
(install, develop, etc).
* Distribute #101: Allowing `os.devnull` in Sandbox
* Distribute #92: Fixed the "no eggs" found error with MacPort
  (platform.mac_ver() fails)
* Distribute #103: test_get_script_header_jython_workaround not run
* Distribute #104: removed the assertion when the installation fails, with a nicer message for the end user.
* Distribute #100: making sure there's no SandboxViolation when the setup script patches setuptools.

0.6.8
-----

* Added "check_packages" in dist. (added in Setuptools 0.6c11)
* Fixed the DONT_PATCH_SETUPTOOLS state.

0.6.7
-----

* Distribute #58: Added --user support to the develop command
* Distribute #11: Generated scripts now wrap their call to the script entry point in the standard "if name == 'main'"
* Added the 'DONT_PATCH_SETUPTOOLS' environment variable, so virtualenv can drive an installation that doesn't patch a global setuptools.
* Distribute #21: Allow PackageIndex.open_url to gracefully handle all cases of a httplib.HTTPException instead of just InvalidURL and BadStatusLine.
* Removed virtual-python.py from this distribution and updated documentation to point to the actively maintained virtualenv instead.
* Distribute #64: use_setuptools no longer rebuilds the distribute egg every time it is run
* use_setuptools now properly respects the requested version
* use_setuptools will no longer try to import a distribute egg for the wrong Python version
* Distribute #74: no_fake should be True by default.
* Distribute #72: avoid a bootstrapping issue with easy_install -U

0.6.6
-----

* Unified the bootstrap file so it works on both py2.x and py3k without 2to3 (patch by Holger Krekel)

0.6.5
-----

* Distribute #65: cli.exe and gui.exe are now generated at build time, depending on the platform in use.
* Distribute #67: Fixed doc typo (PEP 381/382)

* Distribute no longer shadows setuptools if we require a 0.7-series setuptools. And an error is raised when installing a 0.7 setuptools with distribute.

* When run from within buildout, no attempt is made to modify an existing setuptools egg, whether in a shared egg directory or a system setuptools.

* Fixed a hole in sandboxing allowing builtin file to write outside of the sandbox.

0.6.4
-----

* Added the generation of `distribute_setup_3k.py` during the release. This closes Distribute #52.

* Added an upload_docs command to easily upload project documentation to PyPIs https://pythonhosted.org. This close issue Distribute #56.

* Fixed a bootstrap bug on the use_setuptools() API.

0.6.3
-----

setuptools
==========

* Fixed a bunch of calls to file() that caused crashes on Python 3.

bootstrapping
=============

* Fixed a bug in sorting that caused bootstrap to fail on Python 3.

0.6.2
-----

setuptools
==========

* Added Python 3 support; see docs/python3.txt. This closes Old Setuptools #39.

* Added option to run 2to3 automatically when installing on Python 3. This closes issue Distribute #31.
* Fixed invalid usage of requirement.parse, that broke develop -d. This closes Old Setuptools #44.

* Fixed script launcher for 64-bit Windows. This closes Old Setuptools #2.

* KeyError when compiling extensions. This closes Old Setuptools #41.

bootstrapping
============

* Fixed bootstrap not working on Windows. This closes issue Distribute #49.

* Fixed 2.6 dependencies. This closes issue Distribute #50.

* Make sure setuptools is patched when running through easy_install This closes Old Setuptools #40.

0.6.1
----

setuptools
===========

* package_index.urlopen now catches BadStatusLine and malformed url errors. This closes Distribute #16 and Distribute #18.

* zip_ok is now False by default. This closes Old Setuptools #33.

* Fixed invalid URL error catching. Old Setuptools #20.

* Fixed invalid bootstraping with easy_install installation (Distribute #40). Thanks to Florian Schulze for the help.

* Removed buildout/bootstrap.py. A new repository will create a specific bootstrap.py script.

bootstrapping
============

* The bootstrap process leave setuptools alone if detected in the system and --root or --prefix is provided, but is not in the same location. This closes Distribute #10.

0.6
--
setuptools
==========

* Packages required at build time where not fully present at install time. This closes Distribute #12.

* Protected against failures in tarfile extraction. This closes Distribute #10.

* Made Jython api_tests.txt doctest compatible. This closes Distribute #7.

* sandbox.py replaced builtin type file with builtin function open. This closes Distribute #6.

* Immediately close all file handles. This closes Distribute #3.

* Added compatibility with Subversion 1.6. This references Distribute #1.

pkg_resources
============

* Avoid a call to /usr/bin/sw_vers on OSX and use the official platform API instead. Based on a patch from ronaldoussoren. This closes issue #5.

* Fixed a SandboxViolation for mkdir that could occur in certain cases. This closes Distribute #13.

* Allow to find_on_path on systems with tight permissions to fail gracefully. This closes Distribute #9.

* Corrected inconsistency between documentation and code of add_entry. This closes Distribute #8.

* Immediately close all file handles. This closes Distribute #3.

easy_install
============

* Immediately close all file handles. This closes Distribute #3.

0.6c9
-----

* Fixed a missing files problem when using Windows source distributions on non-Windows platforms, due to distutils not handling manifest file line endings correctly.

* Updated Pyrex support to work with Pyrex 0.9.6 and higher.
* Minor changes for Jython compatibility, including skipping tests that can't work on Jython.

* Fixed not installing eggs in ``install_requir...`` or `tests_require``.

* Fixed not fetching eggs in ``install_requir...`` when running tests.

* Allow `ez_setup.use_setuptools()` to upgrade existing setuptools installations when called from a standalone `setup.py`.

* Added a warning if a namespace package is declared, but its parent package is not also declared as a namespace.

* Support Subversion 1.5

* Removed use of deprecated ``md5`` module if `hashlib` is available

* Fixed `bdist_wininst upload` trying to upload the `.exe` twice

* Fixed `bdist_egg` putting a `native_libs.txt` in the source package's `.egg-info`, when it should only be in the built egg's `EGG-INFO`.

* Ensure that _full_name is set on all shared libs before extensions are checked for shared lib usage. (Fixes a bug in the experimental shared library build support.)

* Fix to allow unpacked eggs containing native libraries to fail more gracefully under Google App Engine (with an `ImportError` loading the C-based module, instead of getting a `NameError`).

0.6c7
-----

* Fixed `distutils.filelist.findall()` crashing on broken symlinks, and `egg_info` command failing on new, uncommitted SVN directories.

* Fix import problems with nested namespace packages installed via `--root` or `--single-version-externally-managed`, due to the parent package not having the child package as an attribute.

0.6c6
-----

* Added `--egg-path` option to `develop` command, allowing you to force `.egg-link` files to use relative paths (allowing them to be shared across platforms on a networked drive).
* Fix not building binary RPMs correctly.

* Fix "eggsecutables" (such as setuptools' own egg) only being runnable with bash-compatible shells.

* Fix ```#!`` parsing problems in Windows ```.exe`` script wrappers, when there was whitespace inside a quoted argument or at the end of the ```#!`` line (a regression introduced in 0.6c4).

* Fix ```test`` command possibly failing if an older version of the project being tested was installed on ```sys.path`` ahead of the test source directory.

* Fix ```find_packages()`` treating ```ez_setup`` and directories with ```.`` in their names as packages.

0.6c5
-----

* Fix uploaded ```bdist_rpm`` packages being described as ```bdist_egg`` packages under Python versions less than 2.5.

* Fix uploaded ```bdist_wininst`` packages being described as suitable for "any" version by Python 2.5, even if a ```--target-version`` was specified.

0.6c4
-----

* Overhauled Windows script wrapping to support ```bdist_wininst`` better. Scripts installed with ```bdist_wininst`` will always use ```!python.exe`` or ```!pythonw.exe`` as the executable name (even when built on non-Windows platforms!), and the wrappers will look for the executable in the script's parent directory (which should find the right version of Python).

* Fix ```upload`` command not uploading files built by ```bdist_rpm`` or ```bdist_wininst`` under Python 2.3 and 2.4.

* Add support for "eggsecutable" headers: a ```#!/bin/sh`` script that is prepended to an ```.egg`` file to allow it to be run as a script on Unix-ish platforms. (This is mainly so that setuptools itself can have a single-file installer on Unix, without doing multiple downloads, dealing with firewalls, etc.)

* Fix problem with empty revision numbers in Subversion 1.4 ```entries`` files

* Use cross-platform relative paths in ```easy-install.pth`` when doing ```develop`` and the source directory is a subdirectory of the installation
target directory.

* Fix a problem installing eggs with a system packaging tool if the project contained an implicit namespace package; for example if the ``setup()`` listed a namespace package ``foo.bar`` without explicitly listing ``foo`` as a namespace package.

0.6c3
-----

* Fixed breakages caused by Subversion 1.4's new "working copy" format

0.6c2
-----

* The ``ez_setup`` module displays the conflicting version of setuptools (and its installation location) when a script requests a version that's not available.

* Running ``setup.py develop`` on a setuptools-using project will now install setuptools if needed, instead of only downloading the egg.

0.6c1
-----

* Fixed ``AttributeError`` when trying to download a ``setup_requires`` dependency when a distribution lacks a ``dependency_links`` setting.

* Made ``zip-safe`` and ``not-zip-safe`` flag files contain a single byte, so as to play better with packaging tools that complain about zero-length files.

* Made ``setup.py develop`` respect the ``--no-deps`` option, which it previously was ignoring.

* Support ``extra_path`` option to ``setup()`` when ``install`` is run in backward-compatibility mode.

* Source distributions now always include a ``setup.cfg`` file that explicitly sets ``egg_info`` options such that they produce an identical version number to the source distribution's version number. (Previously, the default version number could be different due to the use of ``--tag-date``, or if the version was overridden on the command line that built the source distribution.)

0.6b4
-----
* Fix `register` not obeying name/version set by `egg_info` command, if `egg_info` wasn't explicitly run first on the same command line.

* Added `--no-date` and `--no-svn-revision` options to `egg_info` command, to allow suppressing tags configured in `setup.cfg`.

* Fixed redundant warnings about missing `README` file(s); it should now appear only if you are actually a source distribution.

0.6b3
-----

* Fix `bdist_egg` not including files in subdirectories of `.egg-info`.

* Allow `.py` files found by the `include_package_data` option to be automatically included. Remove duplicate data file matches if both `include_package_data` and `package_data` are used to refer to the same files.

0.6b1
-----

* Strip `module` from the end of compiled extension modules when computing the name of a `.py` loader/wrapper. (Python's import machinery ignores this suffix when searching for an extension module.)

0.6a11
-----

* Added `test_loader` keyword to support custom test loaders

* Added `setuptools.file_finders` entry point group to allow implementing revision control plugins.

* Added `--identity` option to `upload` command.

* Added `dependency_links` to allow specifying URLs for `--find-links`.

* Enhanced test loader to scan packages as well as modules, and call `additional_tests()` if present to get non-unittest tests.

* Support namespace packages in conjunction with system packagers, by omitting the installation of any `__init__.py` files for namespace packages, and adding a special `.pth` file to create a working package in `sys.modules`.

* Made `--single-version-externally-managed` automatic when `--root` is used, so that most system packagers won't require special support for
setuptools.

* Fixed `setup_requires`, `tests_require`, etc. not using `setup.cfg` or other configuration files for their option defaults when installing, and also made the install use `--multi-version` mode so that the project directory doesn't need to support .pth files.

* ``MANIFEST.in`` is now forcibly closed when any errors occur while reading it. Previously, the file could be left open and the actual error would be masked by problems trying to remove the open file on Windows systems.

0.6a10
-----

* Fixed the ``develop`` command ignoring ``--find-links``.

0.6a9
-----

* The ``sdist`` command no longer uses the traditional ``MANIFEST`` file to create source distributions. ``MANIFEST.in`` is still read and processed, as are the standard defaults and pruning. But the manifest is built inside the project's `.egg-info` directory as `SOURCES.txt`, and it is rebuilt every time the `egg_info` command is run.

* Added the `include_package_data` keyword to `setup()`, allowing you to automatically include any package data listed in revision control or `MANIFEST.in`

* Added the `exclude_package_data` keyword to `setup()`, allowing you to trim back files included via the `package_data` and `include_package_data` options.

* Fixed ``--tag-svn-revision`` not working when run from a source distribution.

* Added warning for namespace packages with missing `declare_namespace()`

* Added `tests_require` keyword to `setup()`, so that e.g. packages requiring `nose` to run unit tests can make this dependency optional unless the `test` command is run.

* Made all commands that use `easy_install` respect its configuration options, as this was causing some problems with `setup.py install`.

* Added an `unpack_directory()` driver to `setuptools.archive_util`, so that you can process a directory tree through a processing filter as if it were a zipfile or tarfile.
* Added an internal `install_egg_info` command to use as part of old-style `install` operations, that installs an `._egg-info` directory with the package.

* Added a `--single-version-externally-managed` option to the `install` command so that you can more easily wrap a "flat" egg in a system package.

* Enhanced `bdist_rpm` so that it installs single-version eggs that don't rely on a `._pth` file. The `--no-egg` option has been removed, since all RPMs are now built in a more backwards-compatible format.

* Support full roundtrip translation of eggs to and from `bdist_wininst` format. Running `bdist_wininst` on a setuptools-based package wraps the egg in an `.exe` that will safely install it as an egg (i.e., with metadata and entry-point wrapper scripts), and `easy_install` can turn the `.exe` back into an `._egg` file or directory and install it as such.

0.6a8
-----

* Fixed some problems building extensions when Pyrex was installed, especially with Python 2.4 and/or packages using SWIG.

* Made ``develop`` command accept all the same options as ``easy_install``, and use the ``easy_install`` command's configuration settings as defaults.

* Made ``egg_info --tag-svn-revision`` fall back to extracting the revision number from ``PKG-INFO`` in case it is being run on a source distribution of a snapshot taken from a Subversion-based project.

* Automatically detect `.dll`, `.so` and `.dylib` files that are being installed as data, adding them to `native_libs.txt` automatically.

* Fixed some problems with fresh checkouts of projects that don't include `.egg-info/PKG-INFO` under revision control and put the project's source code directly in the project directory. If such a package had any requirements that get processed before the ``egg_info`` command can be run, the setup scripts would fail with a "Missing 'Version:' header and/or PKG-INFO file" error, because the egg runtime interpreted the unbuilt metadata in a directory on ``sys.path`` (i.e. the current directory) as being a corrupted egg. Setuptools now monkeypatches the distribution metadata cache to pretend that the egg has valid version information, until it has a chance to make it actually be so (via the ``egg_info`` command).

0.6a5
-----
* Fixed missing gui/cli .exe files in distribution. Fixed bugs in tests.

0.6a3
-----

* Added `gui_scripts` entry point group to allow installing GUI scripts on Windows and other platforms. (The special handling is only for Windows; other platforms are treated the same as for `console_scripts`).

0.6a2
-----

* Added `console_scripts` entry point group to allow installing scripts without the need to create separate script files. On Windows, console scripts get an `.exe` wrapper so you can just type their name. On other platforms, the scripts are written without a file extension.

0.6a1
-----

* Added support for building "old-style" RPMs that don't install an egg for the target package, using a `--no-egg` option.

* The `build_ext` command now works better when using the `--inplace` option and multiple Python versions. It now makes sure that all extensions match the current Python version, even if newer copies were built for a different Python version.

* The `upload` command no longer attaches an extra `.zip` when uploading eggs, as PyPI now supports egg uploads without trickery.

* The `ez_setup` script/module now displays a warning before downloading the setuptools egg, and attempts to check the downloaded egg against an internal MD5 checksum table.

* Fixed the `--tag-svn-revision` option of `egg_info` not finding the latest revision number; it was using the revision number of the directory containing `setup.py`, not the highest revision number in the project.

* Added `eager_resources` setup argument

* The `sdist` command now recognizes Subversion "deleted file" entries and does not include them in source distributions.

* `setuptools` now embeds itself more thoroughly into the distutils, so that other distutils extensions (e.g. py2exe, py2app) will subclass setuptools' versions of things, rather than the native distutils ones.
* Added `entry_points` and `setup_requires` arguments to `setup()`. `setup_requires` allows you to automatically find and download packages that are needed in order to *build* your project (as opposed to running it).

* `setuptools` now finds its commands, `setup()` argument validators, and metadata writers using entry points, so that they can be extended by third-party packages. See `Creating distutils Extensions <http://pythonhosted.org/setuptools/setuptools.html#creating-distutils-extensions>`_ for more details.

* The vestigial `depends` command has been removed. It was never finished or documented, and never would have worked without EasyInstall - which it pre-dated and was never compatible with.

0.5a12
-----

* The zip-safety scanner now checks for modules that might be used with `python -m`, and marks them as unsafe for zipping, since Python 2.4 can't handle `--m` on zipped modules.

0.5a11
-----

* Fix breakage of the "develop" command that was caused by the addition of `--always-unzip` to the "easy_install" command.

0.5a9
-----

* Include `svn:externals` directories in source distributions as well as normal subversion-controlled files and directories.

* Added `exclude=patternlist` option to `setuptools.find_packages()`

* Changed --tag-svn-revision to include an "r" in front of the revision number for better readability.

* Added ability to build eggs without including source files (except for any scripts, of course), using the `--exclude-source-files` option to `bdist_egg`.

* `setup.py install` now automatically detects when an "unmanaged" package or module is going to be on `sys.path` ahead of a package being installed, thereby preventing the newer version from being imported. If this occurs, a warning message is output to `sys.stderr`, but installation proceeds anyway. The warning message informs the user what files or directories
need deleting, and advises them they can also use EasyInstall (with the
``--delete-conflicting`` option) to do it automatically.

* The ``egg_info`` command now adds a ``top_level.txt`` file to the metadata
directory that lists all top-level modules and packages in the distribution.
This is used by the `easy_install` command to find possibly-conflicting
"unmanaged" packages when installing the distribution.

* Added ``zip_safe`` and ``namespace_packages`` arguments to `setup()`.
Added package analysis to determine zip-safety if the ``zip_safe`` flag
is not given, and advise the author regarding what code might need changing.

* Fixed the swapped ``-d`` and ``-b`` options of `bdist_egg``.

0.5a8
-----

* The "egg_info" command now always sets the distribution metadata to "safe"
forms of the distribution name and version, so that distribution files will
be generated with parseable names (i.e., ones that don't include '-' in the
name or version). Also, this means that if you use the various `--tag`
options of "egg_info", any distributions generated will use the tags in the
version, not just egg distributions.

* Added support for defining command aliases in distutils configuration files,
under the "[aliases]" section. To prevent recursion and to allow aliases to
call the command of the same name, a given alias can be expanded only once
per command-line invocation. You can define new aliases with the "alias"
command, either for the local, global, or per-user configuration.

* Added "rotate" command to delete old distribution files, given a set of
patterns to match and the number of files to keep. (Keeps the most
recently-modified distribution files matching each pattern.)

* Added "saveopts" command that saves all command-line options for the current
invocation to the local, global, or per-user configuration file. Useful for
setting defaults without having to hand-edit a configuration file.

* Added a "setopt" command that sets a single option in a specified distutils
configuration file.

0.5a7
-----

* Added "upload" support for egg and source distributions, including a bug
fix for "upload" and a temporary workaround for lack of .egg support in
PyPI.
* Beefed up the "sdist" command so that if you don't have a MANIFEST.in, it will include all files under revision control (CVS or Subversion) in the current directory, and it will regenerate the list every time you create a source distribution, not just when you tell it to. This should make the default "do what you mean" more often than the distutils' default behavior did, while still retaining the old behavior in the presence of MANIFEST.in.

* Fixed the "develop" command always updating .pth files, even if you specified "-n" or "--dry-run".

* Slightly changed the format of the generated version when you use "--tag-build" on the "egg_info" command, so that you can make tagged revisions compare *lower* than the version specified in setup.py (e.g. by using "--tag-build=dev").

* Added "develop" command to ``setuptools``-based packages. This command installs an `.egg-link` pointing to the package's source directory, and script wrappers that `execfile()` the source versions of the package's scripts. This lets you put your development checkout(s) on sys.path without having to actually install them. (To uninstall the link, use use `setup.py develop --uninstall`.)

* Added `egg_info` command to ``setuptools``-based packages. This command just creates or updates the "projectname.egg-info" directory, without building an egg. (It's used by the `bdist_egg`, `test`, and `develop` commands.)

* Enhanced the `test` command so that it doesn't install the package, but instead builds any C extensions in-place, updates the `.egg-info` metadata, adds the source directory to `sys.path`, and runs the tests directly on the source. This avoids an "unmanaged" installation of the package to `site-packages` or elsewhere.

* Made `easy_install` a standard `setuptools` command, moving it from the `easy_install` module to `setuptools.command.easy_install`. Note that if you were importing or extending it, you must now change your imports accordingly. `easy_install.py` is still installed as a script, but not as a module.
* Setup scripts using setuptools can now list their dependencies directly in the setup.py file, without having to manually create a `depends.txt` file. The `install_requires` and `extras_require` arguments to `setup()` are used to create a dependencies file automatically. If you are manually creating `depends.txt` right now, please switch to using these setup arguments as soon as practical, because `depends.txt` support will be removed in the 0.6 release cycle. For documentation on the new arguments, see the `setuptools.dist.Distribution` class.

* Setup scripts using setuptools now always install using `easy_install` internally, for ease of uninstallation and upgrading.

0.5a1
-----

* Added support for "self-installation" bootstrapping. Packages can now include `ez_setup.py` in their source distribution, and add the following to their `setup.py`, in order to automatically bootstrap installation of setuptools as part of their setup process:

```python
from ez_setup import use_setuptools
use_setuptools()

from setuptools import setup
# etc...
```

0.4a2
-----

* Added `ez_setup.py` installer/bootstrap script to make initial setuptools installation easier, and to allow distributions using setuptools to avoid having to include setuptools in their source distribution.

* All downloads are now managed by the `PackageIndex` class (which is now subclassable and replaceable), so that embedders can more easily override download logic, give download progress reports, etc. The class has also been moved to the new `setuptools.package_index` module.

* The `Installer` class no longer handles downloading, manages a temporary directory, or tracks the `zip_ok` option. Downloading is now handled by `PackageIndex`, and `Installer` has become an `easy_install` command class based on `setuptools.Command`.

* There is a new `setuptools.sandbox.run_setup()` API to invoke a setup script in a directory sandbox, and a new `setuptools.archive_util` module with an `unpack_archive()` API. These were split out of EasyInstall to allow reuse by other tools and applications.
* ``setuptools.Command`` now supports reinitializing commands using keyword arguments to set/reset options. Also, ``Command`` subclasses can now set their `command_consumes_arguments` attribute to `True` in order to receive an `args` option containing the rest of the command line.

0.3a2
-----

* Added new options to `bdist_egg` to allow tagging the egg’s version number with a subversion revision number, the current date, or an explicit tag value. Run `setup.py bdist_egg --help` to get more information.

* Misc. bug fixes

0.3a1
-----

* Initial release.

Found in path(s):
* /opt/cola/permits/1121503786_1610155401.46/0/setuptools-19-6-2-1-tar-gz/setuptools-19.6.2/CHANGES.txt
No license file was found, but licenses were detected in source scan.

```
# Licensed under the Apache License, Version 2.0 (the "License");
# you may not use this file except in compliance with the License.
# You may obtain a copy of the License at
# http://www.apache.org/licenses/LICENSE-2.0
# distributed under the License is distributed on an "AS IS" BASIS,
```

Found in path(s):
* /opt/cola/permits/1121503786_1610155401.46/0/setuptools-19-6-2-1-tar-gz/setuptools-19.6.2/pkg_resources/_vendor/packaging/_compat.py
* /opt/cola/permits/1121503786_1610155401.46/0/setuptools-19-6-2-1-tar-gz/setuptools-19.6.2/pkg_resources/_vendor/packaging/_structures.py
* /opt/cola/permits/1121503786_1610155401.46/0/setuptools-19-6-2-1-tar-gz/setuptools-19.6.2/pkg_resources/_vendor/packaging/__about__.py
* /opt/cola/permits/1121503786_1610155401.46/0/setuptools-19-6-2-1-tar-gz/setuptools-19.6.2/pkg_resources/_vendor/packaging/specifiers.py
* /opt/cola/permits/1121503786_1610155401.46/0/setuptools-19-6-2-1-tar-gz/setuptools-19.6.2/pkg_resources/_vendor/packaging/version.py
* /opt/cola/permits/1121503786_1610155401.46/0/setuptools-19-6-2-1-tar-gz/setuptools-19.6.2/pkg_resources/_vendor/packaging/__init__.py
No license file was found, but licenses were detected in source scan.

License :: OSI Approved :: MIT License

Found in path(s):
* /opt/cola/permits/1121503786_1610155401.46/0/setuptools-19-6-2-1-tar-gz/setuptools-19.6.2/setup.py
No license file was found, but licenses were detected in source scan.

Metadata-Version: 1.1
Name: setuptools
Version: 19.6.2
Summary: Easily download, build, install, upgrade, and uninstall Python packages
Home-page: https://bitbucket.org/pypa/setuptools
Author: Python Packaging Authority
Author-email: distutils-sig@python.org
License: UNKNOWN
Description: ===============================
Installing and Using Setuptools

```
.. contents:: **Table of Contents**

`Change History <https://pythonhosted.org/setuptools/history.html>`_.

-------------------------
Installation Instructions
-------------------------

The recommended way to bootstrap setuptools on any system is to download
`ez_setup.py` and run it using the target Python environment. Different
operating systems have different recommended techniques to accomplish this
basic routine, so below are some examples to get you started.

Setuptools requires Python 2.6 or later. To install setuptools
on Python 2.4 or Python 2.5, use the `bootstrap script for Setuptools 1.x
<https://bitbucket.org/pypa/setuptools/raw/bootstrap-py24/ez_setup.py>`_.

The link provided to ez_setup.py is a bookmark to bootstrap script for the
latest known stable release.

.. _ez_setup.py: https://bootstrap.pypa.io/ez_setup.py

Windows (Powershell 3 or later)

```
For best results, uninstall previous versions FIRST (see `Uninstalling`).

Using Windows 8 (which includes PowerShell 3) or earlier versions of Windows
with PowerShell 3 installed, it's possible to install with one simple
Powershell command. Start up Powershell and paste this command::

    > (Invoke-WebRequest https://bootstrap.pypa.io/ez_setup.py).Content | python -
You must start the Powershell with Administrative privileges or you may choose to install a user-local installation::

```
> (Invoke-WebRequest https://bootstrap.pypa.io/ez_setup.py).Content | python - --user
```

If you have Python 3.3 or later, you can use the `py` command to install to different Python versions. For example, to install to Python 3.3 if you have Python 2.7 installed::

```
> (Invoke-WebRequest https://bootstrap.pypa.io/ez_setup.py).Content | py -3 -
```

The recommended way to install setuptools on Windows is to download `ez_setup.py` and run it. The script will download the appropriate distribution file and install it for you.

Once installation is complete, you will find an `easy_install` program in your Python `Scripts` subdirectory. For simple invocation and best results, add this directory to your `PATH` environment variable, if it is not already present. If you did a user-local install, the `Scripts` subdirectory is `~\$env:APPDATA\Python\Scripts`.

Windows (simplified)

```
=================================

For Windows without PowerShell 3 or for installation without a command-line, download `ez_setup.py` using your preferred web browser or other technique and “run” that file.

Unix (wget)

```

```
Most Linux distributions come with wget.

Download `ez_setup.py` and run it using the target Python version. The script will download the appropriate version and install it for you::

```
> wget https://bootstrap.pypa.io/ez_setup.py -O - | python
```

```
```
Note that you will may need to invoke the command with superuser privileges to install to the system Python::

```
> wget https://bootstrap.pypa.io/ez_setup.py -O - | sudo python
```

```
```
Alternatively, Setuptools may be installed to a user-local path::

```
> wget https://bootstrap.pypa.io/ez_setup.py -O - | python --user
```
Note that on some older systems (noted on Debian 6 and CentOS 5 installations),
`wget` may refuse to download `ez_setup.py`, complaining that the certificate common name `*.c.ssl.fastly.net` does not match the host name `bootstrap.pypa.io`. In addition, the `ez_setup.py` script may then encounter similar problems using
`wget` internally to download `setuptools-x.y.zip`, complaining that the certificate common name of `www.python.org` does not match the
host name `pypi.python.org`. Those are known issues, related to a bug in the older versions of `wget` (see Issue 59 <https://bitbucket.org/pypa/pypi/issue/59#comment-5881915> ). If you happen to encounter them,
install Setuptools as follows::

```
> wget --no-check-certificate https://bootstrap.pypa.io/ez_setup.py
> python ez_setup.py --insecure
```

Unix including Mac OS X (curl)
==============================

If your system has curl installed, follow the `wget` instructions but replace `wget` with `curl` and `-O` with `--o`. For example::

```
> curl https://bootstrap.pypa.io/ez_setup.py -o - | python
```

Advanced Installation
=====================

For more advanced installation options, such as installing to custom locations or prefixes, download and extract the source tarball from `Setuptools on PyPI <https://pypi.python.org/pypi/setuptools>`_ and run setup.py with any supported distutils and Setuptools options. For example::

```
setuptools-x.x$ python setup.py install --prefix=/opt/setuptools
```

Use `--help` to get a full options list, but we recommend consulting the `EasyInstall manual`_ for detailed instructions, especially the section on custom installation locations`_.

.. _EasyInstall manual: https://pythonhosted.org/setuptools/EasyInstall
.. _the section on custom installation locations: https://pythonhosted.org/setuptools/EasyInstall#custom-installation-locations

Downloads
==========
All setuptools downloads can be found at `the project's home page in the Python Package Index`_. Scroll to the very bottom of the page to find the links.

.. _the project's home page in the Python Package Index: https://pypi.python.org/pypi/setuptools

In addition to the PyPI downloads, the development version of ``setuptools`` is available from the `Bitbucket repo`_, and in-development versions of the `0.6 branch`_ are available as well.

.. _Bitbucket repo: https://bitbucket.org/pypa/setuptools/get/default.tar.gz#egg=setuptools-dev
.. _0.6 branch: http://svn.python.org/projects/sandbox/branches/setuptools-0.6/#egg=setuptools-dev06

Uninstalling
============

On Windows, if Setuptools was installed using an ``.exe`` or ``.msi`` installer, simply use the uninstall feature of “Add/Remove Programs” in the Control Panel.

Otherwise, to uninstall Setuptools or Distribute, regardless of the Python version, delete all ``setuptools*`` and ``distribute*`` files and directories from your system’s ``site-packages`` directory (and any other ``sys.path`` directories) FIRST.

If you are upgrading or otherwise plan to re-install Setuptools or Distribute, nothing further needs to be done. If you want to completely remove Setuptools, you may also want to remove the 'easy_install' and 'easy_install-x.x' scripts and associated executables installed to the Python scripts directory.

--------------------------------

Using Setuptools and EasyInstall
--------------------------------

Here are some of the available manuals, tutorials, and other resources for learning about Setuptools, Python Eggs, and EasyInstall:

* `The EasyInstall user's guide and reference manual`_
* `The setuptools Developer's Guide`_
* `The pkg_resources API reference`_
* `The Internal Structure of Python Eggs`_

Questions, comments, and bug reports should be directed to the `distutils-sig mailing list`_. If you have written (or know of) any tutorials, documentation, plug-ins, or other resources for setuptools users, please let us know about them there, so this reference list can be updated. If you have working, *tested* patches to correct problems or add features, you may submit them to the `setuptools bug tracker`_.

---
Credits

* The original design for the ``.egg` format and the `pkg_resources` API was co-created by Phillip Eby and Bob Ippolito. Bob also implemented the first version of `pkg_resources`, and supplied the OS X operating system version compatibility algorithm.

* Ian Bicking implemented many early "creature comfort" features of easy_install, including support for downloading via Sourceforge and Subversion repositories. Ian's comments on the Web-SIG about WSGI application deployment also inspired the concept of "entry points" in eggs, and he has given talks at PyCon and elsewhere to inform and educate the community about eggs and setuptools.

* Jim Fulton contributed time and effort to build automated tests of various aspects of `easy_install`, and supplied the doctests for the command-line `exe` wrappers on Windows.

* Phillip J. Eby is the seminal author of setuptools, and first proposed the idea of an importable binary distribution format for Python application plug-ins.

* Significant parts of the implementation of setuptools were funded by the Open Source Applications Foundation, to provide a plug-in infrastructure for the Chandler PIM application. In addition, many OSAF staffers (such as Mike "Code Bear" Taylor) contributed their time and stress as guinea pigs for the use of eggs and setuptools, even before eggs were "cool". (Thanks, guys!)

* Tarek Ziad is the principal author of the Distribute fork, which re-invigorated the community on the project, encouraged renewed innovation, and addressed many defects.

* Since the merge with Distribute, Jason R. Coombs is the maintainer of setuptools. The project is maintained in coordination with the Python Packaging Authority (PyPA) and the larger Python community.
Code of Conduct

Everyone interacting in the setuptools project's codebases, issue trackers, chat rooms, and mailing lists is expected to follow the `PyPA Code of Conduct`.


Keywords: CPAN PyPI distutils eggs package management
Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: MIT License
Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python :: 2.6
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3
Classifier: Programming Language :: Python :: 3.3
Classifier: Programming Language :: Python :: 3.4
Classifier: Programming Language :: Python :: 3.5
Classifier: Topic :: Software Development :: Libraries :: Python Modules
Classifier: Topic :: System :: Archiving :: Packaging
Classifier: Topic :: System :: Systems Administration
Classifier: Topic :: Utilities

Found in path(s):
* /opt/cola/permits/1121503786_1610155401.46/0/setuptools-19-6-2-1-tar-gz/setuptools-19.6.2/setuptools.egg-info/PKG-INFO
* /opt/cola/permits/1121503786_1610155401.46/0/setuptools-19-6-2-1-tar-gz/setuptools-19.6.2/PKG-INFO

1.3245 python 2.7.12 1~16.04

1.3245.1 Available under license:

The Debian packaging is 2010, Piotr Oarowski <piotr@debian.org> and is licensed under the MIT 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.

Copyright notice (as found in LICENSE in the original source).
--------------------------------------------------------------

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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</table>
Footnotes:

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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1.3251 python-backports-functools-lru-cache

1.4-2

1.3251.1 Available under license :

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Upstream-Name: backports.functools_lru_cache
Upstream-Contact: Jason R. Coombs <jaraco@jaraco.com>
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1.3252 libpython3-stdlib 3.7.3-1

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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
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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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py3compile, py3clean and debpython module:

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1.3253 libssh-config 0.9.0-4.el8

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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_glu.c
   lib/gssapi/mechglue/g_imp_name.c
   lib/gssapi/mechglue/g_imp_sec_context.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/prop.h
   lib/kdb/kdb_convert.c
   lib/kdb/kdb_log.c
   lib/kdb/kdb_log.h
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   slave/kpropd_rpc.c
   slave/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
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
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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
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kproplog.c

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# This program is intended to be used by "make check-copyright". It
# checks for violations of the coding standards related to copyright
# and license statements in source code comments.

import os
import sys
import re

def warn(fname, ln, msg):
    print '%s: %d: %s' % (fname, ln + 1, msg)

def indicates_license(line):
return 'Copyright' in line or 'COPYRIGHT' in line or 'License' in line

# Check a comment for boilerplate violations. Return true if the comment # is a license statement.
def check_comment(comment, fname, ln, code_seen, nonlicense_seen):
    text_seen = False
    is_license = False
    for line in comment:
        if not is_license and indicates_license(line):
            is_license = True
        if text_seen:
            warn(fname, ln, 'License begins after first line of comment')
        elif code_seen:
            warn(fname, ln, 'License after code')
        elif nonlicense_seen:
            warn(fname, ln, 'License after non-license comments')
        break
    # DB2 licenses start with '/*-.' and we don't want to change them.
    if line != '' and line != '-':
        text_seen = True
    return is_license

def check_file(lines, fname):
    # Skip emacs mode line if present.
    ln = 0
    if '-*- mode: c;' in lines[ln]:
        ln += 1
    # Check filename comment if present.
    m = re.match(r'/\* ([^ ]*) \*/', lines[ln])
    if m:
        if m.group(1) != fname:
            warn(fname, ln, 'Wrong filename in comment')
        ln += 1
    # Scan for license statements.
    in_comment = False
    code_seen = False
    nonlicense_seen = False
    for line in lines[ln:]:
        # Strip out whitespace and comments contained within a line.
        if not in_comment:
            line = re.sub(r'\/*.*?\/*', '', line)
        line = line.strip()
        if not in_comment and '/\*\*' in line:
            (line, sep, comment_part) = line.partition('/\*\*')
            comment = [comment_part.strip()]
.. _mitK5license:

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.. include:: notice.rst

1.3257 is-glob 4.0.0

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1.3258 spring-aop 3.2.8.RELEASE

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* /opt/cola/permits/1111264368_1606890928.08/0/spring-aop-3-2-8-release-sources-1-jar/org/springframework/aop/config/SimpleBeanFactoryAwareAspectInstanceFactory.java
* /opt/cola/permits/1111264368_1606890928.08/0/spring-aop-3-2-8-release-sources-1-jar/org/springframework/aop/BeforeAdvice.java
* /opt/cola/permits/1111264368_1606890928.08/0/spring-aop-3-2-8-release-sources-1-jar/org/springframework/aop/support/StaticMethodMatcherPointcutAdvisor.java
* /opt/cola/permits/1111264368_1606890928.08/0/spring-aop-3-2-8-release-sources-1-jar/org/springframework/aop/framework/AopInfrastructureBean.java
Found in path(s):
* /opt/cola/permits/1111264368_1606890928.08/0/spring-aop-3-2-8-release-sources-1-jar/org/springframework/aop/configuration/PointcutComponentDefinition.java
* /opt/cola/permits/1111264368_1606890928.08/0/spring-aop-3-2-8-release-sources-1-jar/org/springframework/aop/target/AbstractPoolingTargetSource.java
* /opt/cola/permits/1111264368_1606890928.08/0/spring-aop-3-2-8-release-sources-1-jar/org/springframework/aop/framework/adapter/AdvisorAdapterRegistrationManager.java
* /opt/cola/permits/1111264368_1606890928.08/0/spring-aop-3-2-8-release-sources-1-jar/org/springframework/aop/adapter/AdapterSupportListener.java
* /opt/cola/permits/1111264368_1606890928.08/0/spring-aop-3-2-8-release-sources-1-jar/org/springframework/aop/adapter/AdvisorAdapterRegistrationManager.java
* /opt/cola/permits/1111264368_1606890928.08/0/spring-aop-3-2-8-release-sources-1-jar/org/springframework/aop/configuration/PointcutComponentDefinition.java
* /opt/cola/permits/1111264368_1606890928.08/0/spring-aop-3-2-8-release-sources-1-jar/org/springframework/aop/aspectj/AspectJAfterThrowingAdvice.java
* /opt/cola/permits/1111264368_1606890928.08/0/spring-aop-3-2-8-release-sources-1-jar/org/springframework/aop/aspectj/AspectJAroundAdvice.java
* /opt/cola/permits/1111264368_1606890928.08/0/spring-aop-3-2-8-release-sources-1-jar/org/springframework/aop/config/AspectComponentDefinition.java
* /opt/cola/permits/1111264368_1606890928.08/0/spring-aop-3-2-8-release-sources-1-jar/org/springframework/aop/aspectj/annotation/PrototypeAspectInstanceFactory.java
* /opt/cola/permits/1111264368_1606890928.08/0/spring-aop-3-2-8-release-sources-1-jar/org/springframework/aop/framework/adapter/AdvisorAdapterRegistrationManager.java
* /opt/cola/permits/1111264368_1606890928.08/0/spring-aop-3-2-8-release-sources-1-jar/org/springframework/aop/adapter/AdvisorAdapterRegistrationManager.java
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* /opt/cola/permits/1111264368_1606890928.08/0/spring-aop-3-2-8-release-sources-1-jar/org/springframework/aop/configuration/PointcutComponentDefinition.java
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* /opt/ cola/permits/1111264368_1606890928.08/0/spring-aop-3-2-8-release-sources-1.jar/org/springframework/aop/support/ExpressionPointcut.java
* /opt/ cola/permits/1111264368_1606890928.08/0/spring-aop-3-2-8-release-sources-1.jar/org/springframework/aop/framework/autoproxy/target/LazyInitTargetSourceCreator.java

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  jar/org/springframework/aop/config/SpringConfiguredBeanDefinitionParser.java
* /opt/cola/permits/1111264368_1606890928.08/0/spring-aop-3-2-8-release-sources-1-
  jar/org/springframework/aop/framework/AbstractSingletonProxyFactoryBean.java
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  jar/org/springframework/aop/aspectj/annotation/BeanFactoryAspectInstanceFactory.java
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* /opt/cola/permits/1111264368_1606890928.08/0/spring-aop-3-2-8-release-sources-1-jar/org/springframework/aop/config/AopNamespaceHandler.java
* /opt/cola/permits/1111264368_1606890928.08/0/spring-aop-3-2-8-release-sources-1-jar/org/springframework/aop/aspectj/AbstractAspectJAdvice.java
* /opt/cola/permits/1111264368_1606890928.08/0/spring-aop-3-2-8-release-sources-1-jar/org/springframework/aop/PointcutAdvisor.java
* /opt/cola/permits/1111264368_1606890928.08/0/spring-aop-3-2-8-release-sources-1-jar/org/springframework/aop/framework/autoproxy/BeanNameAutoProxyCreator.java
* /opt/cola/permits/1111264368_1606890928.08/0/spring-aop-3-2-8-release-sources-1-jar/org/springframework/aop/framework/adapter/MethodBeforeAdviceAdapter.java
* /opt/cola/permits/1111264368_1606890928.08/0/spring-aop-3-2-8-release-sources-1-jar/org/springframework/aop/framework/adapter/ThrowsAdviceAdapter.java
* /opt/cola/permits/1111264368_1606890928.08/0/spring-aop-3-2-8-release-sources-1-jar/org/springframework/aop/framework/AopProxyUtils.java
* /opt/cola/permits/1111264368_1606890928.08/0/spring-aop-3-2-8-release-sources-1-jar/org/springframework/aop/config/AopNamespaceHandler.java
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* /opt/cola/permits/1111264368_1606890928.08/0/spring-aop-3-2-8-release-sources-1-jar/org/springframework/aop/framework/autoproxy/BeanNameAutoProxyCreator.java
* /opt/cola/permits/1111264368_1606890928.08/0/spring-aop-3-2-8-release-sources-1
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  jar/org/springframework/aop/target/HotSwappableTargetSource.java
* /opt/cola/permits/1111264368_1606890928.08/0/spring-aop-3-2-8-release-sources-1-
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* /opt/cola/permits/1111264368_1606890928.08/0/spring-aop-3-2-8-release-sources-1.jar/org/springframework/aop/aspectj/AspectJPointcutAdvisor.java
* /opt/cola/permits/1111264368_1606890928.08/0/spring-aop-3-2-8-release-sources-1.jar/org/springframework/aop/support/StaticMethodMatcherPointcut.java
* /opt/cola/permits/1111264368_1606890928.08/0/spring-aop-3-2-8-release-sources-1.jar/org/springframework/aop/aspectj/annotation/BeanFactoryAspectJAdvisorsBuilder.java

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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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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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1.3263 acorn 5.7.3

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1.3265 stax-api 1.0.1
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/**
 * An interface for handling Entity events.
 *
 * This event reports entities that have not been resolved
 * and reports their replacement text unprocessed (if
 * available). This event will be reported if javax.xml.stream.isReplacingEntityReferences
 * is set to false. If javax.xml.stream.isReplacingEntityReferences is set to true
 * entity references will be resolved transparently.
 *
 * Entities are handled in two possible ways:
 *
 * (1) If javax.xml.stream.isReplacingEntityReferences is set to true
 * all entity references are resolved and reported as markup transparently.
 * (2) If javax.xml.stream.isReplacingEntityReferences is set to false
 * Entity references are reported as an EntityReference Event.
 *
 * @version 1.0
 * @author Copyright (c) 2003 by BEA Systems. All Rights Reserved.
 */

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No license file was found, but licenses were detected in source scan.

/**
 * This interface is used to resolve resources during an XML parse. If an application wishes to
 * perform custom entity resolution it must register an instance of this interface with
 * the XMLInputFactory using the setXMLResolver method.
 *
 * @version 1.0
 * @author Copyright (c) 2003 by BEA Systems. All Rights Reserved.
 */

Found in path(s):
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  zip/src/javax/xml/stream/XMLResolver.java
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/**
 * An error class for reporting factory configuration errors.
 *
 * @version 1.0
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 */
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/**
 * This interface defines a class that allows a user to register
 * a way to allocate events given an XMLStreamReader. An implementation
 * is not required to use the XMLEventFactory implementation but this
 * is recommended. The XMLEventAllocator can be set on an XMLInputFactory
 * using the property "javax.xml.stream.allocator"
 *
 * @version 1.0
 * @author Copyright (c) 2003 by BEA Systems. All Rights Reserved.
 * @see javax.xml.stream.XMLInputFactory
 * @see javax.xml.stream.XMLEventFactory
 */

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/**
 * This is the base event interface for handling markup events.
 * Events are value objects that are used to communicate the
 * XML 1.0 InfoSet to the Application. Events may be cached
 * and referenced after the parse has completed.
 *
 * @version 1.0
 * @author Copyright (c) 2003 by BEA Systems. All Rights Reserved.
 * @see javax.xml.stream.XMLEventReader
 * @see Characters
 * @see ProcessingInstruction
 * @see StartElement
 * @see EndElement
 * @see StartDocument
 * @see EndDocument
 * @see EntityReference
 * @see EntityDeclaration
 * @see NotationDeclaration
 */

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* /opt/cola/permits/1124847005_1611186033.82/0/stax-api-1-0-2-sources-
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/**
 * An interface for handling Notation Declarations
 *
 * Receive notification of a notation declaration event.
 * It is up to the application to record the notation for later reference,
 * At least one of publicId and systemId must be non-null.
 * There is no guarantee that the notation declaration
 * will be reported before any unparsed entities that use it.
 *
 * @version 1.0
 * @author Copyright (c) 2003 by BEA Systems. All Rights Reserved.
 */

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  zip/src/javax/xml/stream/events/NotationDeclaration.java
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/**
*
* This is the top level interface for parsing XML Events. It provides
* the ability to peek at the next event and returns configuration
* information through the property interface.
*
* @version 1.0
* @author Copyright (c) 2003 by BEA Systems. All Rights Reserved.
* @see XMLInputFactory
* @see XMLEventWriter
*/

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  zip/src/javax/xml/stream/XMLEventReader.java
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/**
* Defines an abstract implementation of a factory for getting streams.
*
* The following table defines the standard properties of this specification.
* Each property varies in the level of support required by each implementation.
* The level of support required is described in the 'Required' column.
*
* <table border="2" rules="all" cellpadding="4">
* <thead>
* <tr>
* <th align="center" colspan="5">
* </th>
* </tr>
* </thead>
* </table>
*/
<table>
<thead>
<tr>
<th>Property Name</th>
<th>Behavior</th>
<th>Return type</th>
<th>Default Value</th>
<th>Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>javax.xml.stream.isValidating</td>
<td>Turns on/off implementation specific DTD validation</td>
<td>Boolean</td>
<td>False</td>
<td>No</td>
</tr>
<tr>
<td>javax.xml.stream.isNamespaceAware</td>
<td>Turns on/off namespace processing for XML 1.0 support</td>
<td>Boolean</td>
<td>True</td>
<td>True (required) / False (optional)</td>
</tr>
<tr>
<td>javax.xml.stream.isCoalescing</td>
<td>Requires the processor to coalesce adjacent character data</td>
<td>Boolean</td>
<td>False</td>
<td>Yes</td>
</tr>
<tr>
<td>javax.xml.stream.isReplacingEntityReferences</td>
<td>replace internal entity references with their replacement text and report them as characters</td>
<td>Boolean</td>
<td>True</td>
<td>Yes</td>
</tr>
<tr>
<td>javax.xml.stream.isSupportingExternalEntities</td>
<td>Resolve external parsed entities</td>
<td>Boolean</td>
<td>Unspecified</td>
<td>Yes</td>
</tr>
<tr>
<td>javax.xml.stream.supportDTD</td>
<td>Use this property to request processors that do not support DTDs</td>
<td>Boolean</td>
<td>True</td>
<td>Yes</td>
</tr>
<tr>
<td>javax.xml.stream.reporter</td>
<td>sets/gets the impl of the XMLReporter</td>
<td>javax.xml.stream.XMLReporter</td>
<td>Null</td>
<td>Yes</td>
</tr>
<tr>
<td>javax.xml.stream.XMLResolver</td>
<td>sets/gets the impl of the XMLResolver interface</td>
<td>javax.xml.stream.XMLResolver</td>
<td>Null</td>
<td>Yes</td>
</tr>
<tr>
<td>javax.xml.stream.allocator</td>
<td>sets/gets the impl of the XMLEventAllocator interface</td>
<td>javax.xml.stream.util.XMLEventAllocator</td>
<td>Null</td>
<td>Yes</td>
</tr>
</tbody>
</table>

* @version 1.0
* @author Copyright (c) 2003 by BEA Systems. All Rights Reserved.
* @see XMLOutputFactory
* @see XMLEventReader
* @see XMLStreamReader
* @see EventFilter
* @see XMLReporter
* @see XMLResolver
* @see javax.xml.stream.util.XMLEventAllocator
*/

Found in path(s):
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/**
 * The XMLStreamWriter interface specifies how to write XML. The XMLStreamWriter does
 * not perform well formedness checking on its input. However
 * the writeCharacters method is required to escape &amp;, &lt; and &gt;
 * For attribute values the writeAttribute method will escape the
 * above characters plus &quot; to ensure that all character content
 * and attribute values are well formed.
 *
 * Each NAMESPACE
 * and ATTRIBUTE must be individually written.
 *
 * If javax.xml.stream.isPrefixDefaulting is set to false it is a fatal error if an element
 * is written with namespace URI that has not been bound to a prefix.
 *
 * If javax.xml.stream.isPrefixDefaulting is set to true the XMLStreamWriter implementation
 * must write a prefix for each unbound URI that it encounters in the
 * current scope.
 *
 * @version 1.0
 * @author Copyright (c) 2003 by BEA Systems. All Rights Reserved.
 *
 * @see XMLOutputFactory
 * @see XMLStreamReader
 */

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/**
 * The StartElement interface provides access to information about
 * start elements. A StartElement is reported for each Start Tag
 * in the document.
 *
 * @version 1.0
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 */

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zip/src/javax/xml/stream/events/StartElement.java

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/**
 * An interface for handling Entity Declarations
 */
* This interface is used to record and report unparsed entity declarations.
* 
* @version 1.0
* @author Copyright (c) 2003 by BEA Systems. All Rights Reserved.
*/

Found in path(s):
* /opt/cola/permits/1124847005_1611186033.82/0/stax-api-1-0-2-sources-zip/src/javax/xml/stream/events/EntityDeclaration.java
No license file was found, but licenses were detected in source scan.

/**
* This interface is used to report non-fatal errors.
* Only warnings should be echoed through this interface.
* @version 1.0
* @author Copyright (c) 2003 by BEA Systems. All Rights Reserved.
*/

Found in path(s):
* /opt/cola/permits/1124847005_1611186033.82/0/stax-api-1-0-2-sources-zip/src/javax/xml/stream/XMLReporter.java
No license file was found, but licenses were detected in source scan.

/**
* Provides information on the location of an event.
*
* All the information provided by a Location is optional. For example
* an application may only report line numbers.
*
* @version 1.0
* @author Copyright (c) 2003 by BEA Systems. All Rights Reserved.
*/

Found in path(s):
* /opt/cola/permits/1124847005_1611186033.82/0/stax-api-1-0-2-sources-zip/src/javax/xml/stream/Location.java
No license file was found, but licenses were detected in source scan.

/**
* This interface declares a simple filter interface that one can
* create to filter XMLEventReaders
* @version 1.0
* @author Copyright (c) 2003 by BEA Systems. All Rights Reserved.
*/

Found in path(s):
* /opt/cola/permits/1124847005_1611186033.82/0/stax-api-1-0-2-sources-zip/src/javax/xml/stream/EventFilter.java
No license file was found, but licenses were detected in source scan.
/**
 * This interface defines an event consumer interface. The contract of the
 * of a consumer is to accept the event. This interface can be used to
 * mark an object as able to receive events. Add may be called several
 * times in immediate succession so a consumer must be able to cache
 * events it hasn't processed yet.
 *
 * @version 1.0
 * @author Copyright (c) 2003 by BEA Systems. All Rights Reserved.
 */

Found in path(s):
* /opt/cola/permits/1124847005_1611186033.82/0/stax-api-1-0-2-sources-
zip/src/java/xml/stream/util/XMLEventConsumer.java
No license file was found, but licenses were detected in source scan.

/**
 *
 * This is the top level interface for writing XML documents.
 *
 * Instances of this interface are not required to validate the
 * form of the XML.
 *
 * @version 1.0
 * @author Copyright (c) 2003 by BEA Systems. All Rights Reserved.
 * @see XMLEventReader
 * @see javax.xml.stream.events.XMLEvent
 * @see javax.xml.stream.events.Characters
 * @see javax.xml.stream.events.ProcessingInstruction
 * @see javax.xml.stream.events.StartElement
 * @see javax.xml.stream.events.EndElement
 */

Found in path(s):
* /opt/cola/permits/1124847005_1611186033.82/0/stax-api-1-0-2-sources-
zip/src/java/xml/stream/XMLEventWriter.java
No license file was found, but licenses were detected in source scan.

/**
 * This interface defines a utility class for creating instances of
 * XMLEvents
 * @version 1.0
 * @author Copyright (c) 2003 by BEA Systems. All Rights Reserved.
 * @see javax.xml.stream.events.StartElement
 * @see javax.xml.stream.events.EndElement
 * @see javax.xml.stream.events.ProcessingInstruction
 * @see javax.xml.stream.events.Comment
 * @see javax.xml.stream.events.Characters
* @see javax.xml.stream.events.StartDocument
* @see javax.xml.stream.events.EndDocument
* @see javax.xml.stream.events.DTD
*/

Found in path(s):
* /opt/cola/permits/1124847005_1611186033.82/0/stax-api-1-0-2-sources-
  zip/src/javax/xml/stream/XMLEventFactory.java
No license file was found, but licenses were detected in source scan.

/**
 * An interface for the end element event. An EndElement is reported
 * for each End Tag in the document.
 *
 * @version 1.0
 * @author Copyright (c) 2003 by BEA Systems. All Rights Reserved.
 * @see XMLEvent
 */

Found in path(s):
* /opt/cola/permits/1124847005_1611186033.82/0/stax-api-1-0-2-sources-
  zip/src/javax/xml/stream/events/EndElement.java
No license file was found, but licenses were detected in source scan.

/**
 * This is the base class for deriving an XMLStreamReader filter
 *
 * This class is designed to sit between an XMLStreamReader and an
 * application's XMLStreamReader. By default each method
 * does nothing but call the corresponding method on the
 * parent interface.
 *
 * @version 1.0
 * @author Copyright (c) 2003 by BEA Systems. All Rights Reserved.
 * @see javax.xml.stream.XMLStreamReader
 * @see EventReaderDelegate
 */

Found in path(s):
* /opt/cola/permits/1124847005_1611186033.82/0/stax-api-1-0-2-sources-
  zip/src/javax/xml/stream/util/StreamReaderDelegate.java
No license file was found, but licenses were detected in source scan.

/**
 * This is the base class for deriving an XMLEventReader
 * filter.
 *
 * This class is designed to sit between an XMLEventReader and an
* application's XMLEventReader. By default each method
* does nothing but call the corresponding method on the
* parent interface.
*
* @version 1.0
* @author Copyright (c) 2003 by BEA Systems. All Rights Reserved.
* @see javax.xml.stream.XMLEventReader
* @see StreamReaderDelegate
*/

Found in path(s):
* /opt/cola/permits/1124847005_1611186033.82/0/stax-api-1-0-2-sources-
  zip/src/java/xml/stream/util/EventReaderDelegate.java
No license file was found, but licenses were detected in source scan.

/**
* An interface that contains information about an attribute. Attributes are reported
* as a set of events accessible from a StartElement. Other applications may report
* Attributes as first-order events, for example as the results of an XPath expression.
*
* @version 1.0
* @author Copyright (c) 2003 by BEA Systems. All Rights Reserved.
* @see StartElement
*/

Found in path(s):
* /opt/cola/permits/1124847005_1611186033.82/0/stax-api-1-0-2-sources-
  zip/src/java/xml/stream/events/Attribute.java
No license file was found, but licenses were detected in source scan.

/**
* Defines an abstract implementation of a factory for
* getting XMLEventWriters and XMLStreamWriters.
* The following table defines the standard properties of this specification.
* Each property varies in the level of support required by each implementation.
* The level of support required is described in the 'Required' column.
*
*     <table border="2" rules="all" cellpadding="4">
*      <thead>
*        <tr>
*          <th align="center" colspan="2">
*            Configuration parameters
*          </th>
*        </tr>
*        <tr>
*          <th align="center" colspan="2">
*            Required
*          </th>
*        </tr>
*      </thead>
*      <tbody>
*      </tbody>
*    </table>
*/
<table>
<thead>
<tr>
<th>Property Name</th>
<th>Behavior</th>
<th>Return type</th>
<th>Default Value</th>
<th>Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>javax.xml.stream.isRepairingNamespaces</td>
<td>defaults prefixes on the output side</td>
<td>Boolean</td>
<td>False</td>
<td>Yes</td>
</tr>
</tbody>
</table>

The following paragraphs describe the namespace and prefix repair algorithm:

The property can be set with the following code line:
```
<code>setProperty("javax.xml.stream.isRepairingNamespaces",new Boolean(true|false));</code>
```

This property specifies that the writer default namespace prefix declarations.
The default value is false.

If a writer isRepairingNamespaces it will create a namespace declaration on the current StartElement for any attribute that does not currently have a namespace declaration in scope. If the StartElement has a uri but no prefix specified a prefix will be assigned, if the prefix has not been declared in a parent of the current StartElement it will be declared on the current StartElement. If the defaultNamespace is bound and in scope and the default namespace matches the URI of the attribute or StartElement QName no prefix will be assigned.

If an element or attribute name has a prefix, but is not bound to any namespace URI, then the prefix will be removed during serialization.

If element and/or attribute names in the same start or empty-element tag are bound to different namespace URIs and are using the same prefix then the element or the first occurring attribute retains the original prefix and the following attributes have their prefixes replaced with a new prefix that is bound to the namespace URIs of those attributes.

If an element or attribute name uses a prefix that is bound to a different URI than that inherited from the namespace context of the parent of that element and there is no namespace declaration in the context of the current element then such a namespace declaration is added.

If an element or attribute name is bound to a prefix and
* there is a namespace declaration that binds that prefix
* to a different URI then that namespace declaration is
* either removed if the correct mapping is inherited from
* the parent context of that element, or changed to the
* namespace URI of the element or attribute using that prefix.</p>

* @version 1.0
* @author Copyright (c) 2003 by BEA Systems. All Rights Reserved.
* @see XMLInputFactory
* @see XMLEventWriter
* @see XMLStreamWriter

/**
 * A marker interface for the end of the document
 * @version 1.0
 * @author Copyright (c) 2003 by BEA Systems. All Rights Reserved.
 */

/**
 * This is the top level interface for events dealing with DTDs
 * @version 1.0
 * @author Copyright (c) 2003 by BEA Systems. All Rights Reserved.
 */

/**
 * An interface that describes the data found in processing instructions
 * @version 1.0
 * @author Copyright (c) 2003 by BEA Systems. All Rights Reserved.
 */
No license file was found, but licenses were detected in source scan.

/**
 * The base exception for unexpected processing errors. This Exception
 * class is used to report well-formedness errors as well as unexpected
 * processing conditions.
 * @version 1.0
 * @author Copyright (c) 2003 by BEA Systems. All Rights Reserved.
 */

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/**
 * An interface for comment events
 *
 * @version 1.0
 * @author Copyright (c) 2003 by BEA Systems. All Rights Reserved.
 */

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/**
 * This interface declares a simple filter interface that one can
 * create to filter XMLStreamReaders
 * @version 1.0
 * @author Copyright (c) 2003 by BEA Systems. All Rights Reserved.
 */

No license file was found, but licenses were detected in source scan.

/**
 * An interface that contains information about a namespace.
 * Namespaces are accessed from a StartElement.
 *
 * @version 1.0
 */
/* @author Copyright (c) 2003 by BEA Systems. All Rights Reserved.
 * @see StartElement */

Found in path(s):
* /opt/cola/permits/1124847005_1611186033.82/0/stax-api-1-0-2-sources-
  zip/src/javax/xml/stream/events/Namespace.java
No license file was found, but licenses were detected in source scan.

/**
 * This describes the interface to Characters events.
 * All text events get reported as Characters events.
 * Content, CDATA and whitespace are all reported as
 * Characters events. IgnorableWhitespace, in most cases,
 * will be set to false unless an element declaration of element
 * content is present for the current element.
 *
 * @version 1.0
 * @author Copyright (c) 2003 by BEA Systems. All Rights Reserved.
 */

Found in path(s):
* /opt/cola/permits/1124847005_1611186033.82/0/stax-api-1-0-2-sources-
  zip/src/javax/xml/stream/events/Characters.java
No license file was found, but licenses were detected in source scan.

/**
 * An interface for the start document event
 *
 * @version 1.0
 * @author Copyright (c) 2003 by BEA Systems. All Rights Reserved.
 */

Found in path(s):
* /opt/cola/permits/1124847005_1611186033.82/0/stax-api-1-0-2-sources-
  zip/src/javax/xml/stream/events/StartDocument.java
No license file was found, but licenses were detected in source scan.

/**
 * The XMLStreamReader interface allows forward, read-only access to XML.
 * It is designed to be the lowest level and most efficient way to
 * read XML data.
 *
 * <p> The XMLStreamReader is designed to iterate over XML using
 * next() and hasNext(). The data can be accessed using methods such as getEventType(),
 * getNamespaceURI(), getLocalName() and getText();
 *
 * <p> The <a href="#next()"><code>next()</a> method causes the reader to read the next parse event.
* The `next()` method returns an integer which identifies the type of event just read.
* The event type can be determined using `<a href="#getEventType()">getEventType()</a>`.
* Parsing events are defined as the XML Declaration, a DTD, start tag, character data, white space, end tag, comment, or processing instruction. An attribute or namespace event may be encountered at the root level of a document as the result of a query operation.
* For XML 1.0 compliance an XML processor must pass the identifiers of declared unparsed entities, notation declarations and their associated identifiers to the application. This information is provided through the property API on this interface.
* The following two properties allow access to this information:
  * `javax.xml.stream.notations` and `javax.xml.stream.entities`.
* When the current event is a DTD the following call will return a list of Notations
  * `<code>l = (List) getProperty("javax.xml.stream.notations");</code>`
* The following call will return a list of entity declarations:
  * `<code>l = (List) getProperty("javax.xml.stream.entities");</code>`
* These properties can only be accessed during a DTD event and are defined to return null if the information is not available.
* The following table describes which methods are valid in what state.
* If a method is called in an invalid state the method will throw a `java.lang.IllegalStateException`.

```xml
<table border="2" rules="all" cellpadding="4">
<thead>
  <tr>
    <th align="center" colspan="2">Valid methods for each state</th>
  </tr>
</thead>
<tbody>
<tr>
  <th>Event Type</th>
  <th>Valid Methods</th>
</tr>
<tr>
  <td> All States </td>
  <td> getProperty(), hasNext(), require(), close(), getNamespaceURI(), isStartElement(), isEndElement(), isCharacters(), isWhiteSpace(), getNamespaceContext(), getEventType(), getLocation(), hasText(), hasName() </td>
</tr>
</tbody>
</table>
```
<table>
<thead>
<tr>
<th>Element Type</th>
<th>Methods</th>
</tr>
</thead>
</table>
| START_ELEMENT | next(), getName(), getLocalName(), hasName(), getPrefix(),
|               | getAttributeXXX(), isAttributeSpecified(),
|               | getNamespaceXXX(),
|               | getElementText(), nextTag() |
| ATTRIBUTE | next(), nextTag(),
|           | getAttributeXXX(), isAttributeSpecified(),
| NAMESPACE | next(), nextTag(),
|           | getNamespaceXXX() |
| END_ELEMENT | next(), getName(), getLocalName(), hasName(), getPrefix(),
|             | getNamespaceXXX(), nextTag() |
| CHARACTERS | next(), getTextXXX(), nextTag() |
| CDATA | next(), getTextXXX(), nextTag() |
| COMMENT | next(), getTextXXX(), nextTag() |
| SPACE | next(), getTextXXX(), nextTag() |
| START_DOCUMENT | next(), getEncoding(), getVersion(), isStandalone(), standaloneSet(),
|                 | getCharacterEncodingScheme(), nextTag() |
| END_DOCUMENT | close() |
* </tr>
* <tr>
* <td> PROCESSING_INSTRUCTION </td>
* <td> next(), getPITarget(), getPIData(), nextTag() </td>
* </tr>
* <tr>
* <td> ENTITY_REFERENCE </td>
* <td> next(), getLocalName(), getText(), nextTag() </td>
* </tr>
* <tr>
* <td> DTD </td>
* <td> next(), getText(), nextTag() </td>
* </tr>
* </tbody>
* </table>

* @version 1.0
* @author Copyright (c) 2003 by BEA Systems. All Rights Reserved.
* @see javax.xml.stream.events.XMLEvent
* @see XMLInputFactory
* @see XMLStreamWriter
*/

Found in path(s):
* /opt/cola/permits/1124847005_1611186033.82/0/stax-api-1-0-2-sources-zip/src/java/xml/stream/XMLStreamReader.java

1.3266 tree 1.7.0-5
1.3266.1 Available under license:
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1.3267 libutempter 1.1.6 3
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1.3268 mongodb-extended-json 1.7.1

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1.3269 maglev-appserver 1.6.9

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No license file was found, but licenses were detected in source scan.

Metadata-Version: 2.0
Name: maglev-appserver
Version: 1.6.9
Summary: Maglev Python AppServer(1.6.9)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: MarkupSafe (==1.0)
Requires-Dist: aiohttp (==2.2.5)
Requires-Dist: aiohttp-swagger (==1.0.4)
Requires-Dist: async-timeout (==1.4.0)
Requires-Dist: chardet (==3.0.4)
Requires-Dist: influxdb (==3.0.0)
Requires-Dist: jaeger-client (==3.8.0)
Requires-Dist: jsonschema (==2.5.1)
Requires-Dist: maglev-appctl (==1.5.0)
Requires-Dist: motor (==1.1)
Requires-Dist: objgraph (==3.1.0)
Requires-Dist: opentracing (==1.3.0)
Requires-Dist: opentracing-instrumentation (==2.4.0)
Requires-Dist: pika (==0.10.0)
Requires-Dist: py-zipkin (==0.4.4)
Requires-Dist: pyJwt (==1.4.0)
Requires-Dist: pyformance (==0.3.4)
Requires-Dist: pymongo (==3.4.0)
Requires-Dist: python-json-logger (==0.1.5)
Requires-Dist: requests (==2.13.0)
Requires-Dist: toml (==0.9.2)
Requires-Dist: tornado (==4.5.3)
Requires-Dist: uvloop (==0.7.0)
Requires-Dist: yarl (==0.18.0)

# Installation
+ Requires : Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

# How to test and develop in local mac
- Use pyvenv to create a virtual env in /opt/maglev
- u can either call the activate script to activate the virtualenv

Found in path(s):
* /opt/cola/permits/1127087584_1612155114.41/0/maglev-appserver-1.6.9-dist-info-
  zip/inputdir/packages_extracted/tar/1/packages_extracted/21/packages_extracted/opt/maglev/lib/python3.5/site-
  packages/maglev_appserver-1.6.9.dist-info/METADATA

1.3270 credential-manager 1.7.29
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Metadata-Version: 2.0
Name: credential-manager
Version: 1.7.29
Summary: Credential Manager Service (1.7.29)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: PyYAML (==3.12)
Requires-Dist: cryptography (==2.9.2)
Requires-Dist: dnspython (==1.16.0)
Requires-Dist: hvac (==0.2.16)
Requires-Dist: idna (==2.7)
Requires-Dist: maglev-api (==1.7.0)
Requires-Dist: maglev-appserver (==1.8.0)
Requires-Dist: maglev-common (==1.7.0)
Requires-Dist: maglev-internal-api (==1.7.0)
Requires-Dist: pycrypto (==2.6.1)
Requires-Dist: pykube (==0.15.0)
Requires-Dist: python-etcd (==0.4.5)
Requires-Dist: requests-unixsocket (==0.2.0)
Requires-Dist: setuptools (==41.2.0)
Requires-Dist: setuptools-scm (==3.4.3)
Requires-Dist: toml (==0.10.0)
Requires-Dist: zipp (==1.0.0)

# Installation
+ Requires: Python 3.5 download the dmg and install, use pyenv to create a virtual environment

Found in path(s):
* /opt/cola/permits/1175836640_1624507338.79/0/credential-manager-1-7-29-dist-info-
zip/inputdir/packages_extracted/targz/1/packages_extracted/1/packages_extracted/1/packages_extracted/75/credenti-
al_manager-1.7.29.dist-info/METADATA

1.3271 commons-codec.commons-codec 1.10

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1.3272 history 4.7.2

1.3273 markdown-vis kibana

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*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1022263367_1596468797.27/0/markdown-vis-
  zip/markdown_vis/public/markdown_vis_controller.js
1.3274 jackson-core 2.8.9

1.3274.1 Available under license:

# 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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1.3275 libsigc++-2.0-doc 2.10.0-2

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- Chris McDonough, 2011/02/16
- Wichert Akkerman, 2012/02/02

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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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file (certdata.txt). This file can be found in the mozilla source tree:
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can be directly used with curl / libcurl / php_curl, or with
an Apache+mod_ssl webserver for SSL client authentication.
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1.3287 curl 7.47.0 1ubuntu2.19
1.3287.1 Available under license :

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!

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1.3288 shebang-command 1.2.0
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1.3296 fast-glob 2.0.4

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1.3297 alpine-keys 2.2-r0

1.3298 libssh 0.9.4-2.el8

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# Protocol::HTTP

Provides abstractions for working with the HTTP protocol.


## Installation

Add this line to your application's Gemfile:

```ruby
  gem 'protocol-http'
```
And then execute:

```bash
$ bundle
```

Or install it yourself as:

```bash
$ gem install protocol-http
```

### Usage

#### Headers

```ruby
require 'protocol/http/headers'

headers = Protocol::HTTP::Headers.new

headers['Content-Type'] = "image/jpeg"

headers['content-type']
# => "image/jpeg"
``` 

#### Reference

```ruby
require 'protocol/http/reference'

reference = Protocol::HTTP::Reference.new("/search", q: 'kittens')

reference.to_s
# => "/search?q=kittens"
``` 

#### URL

```ruby
require 'protocol/http/url'

reference = Protocol::HTTP::Reference.parse('/search?q=kittens')

parameters = Protocol::HTTP::URL.decode(reference.query_string)
# => {
    "q" => "kittens"
}
``` 

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1. Fork it
2. Create your feature branch (`git checkout -b my-new-feature`)
3. Commit your changes (`git commit -am 'Add some feature'`)
4. Push to the branch (`git push origin my-new-feature`)
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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
src/bdf/rules.mk
#
src/pcf/module.mk
src/pcf/pcf.c
src/pcf/pcf.h
src/pcf/pcfdrivr.c
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src/pcf/pcfutil.c
src/pcf/pcfutil.h
src/pcf/README
src/pcf/rules.mk
#
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/inftutil.c
src/gzip/inftutil.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h
#
src/tools/apinames.c
src/tools/ftrandom/ftrandom.c
#
# EOF

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1.3308 @babel/parser 7.1.0

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

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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 3a0982da308228d796df35f98d787e5c9f2bb5b6.

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.
* 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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   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,
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   analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
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1.3314 underscore-js 1.8.3

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1.3317 bson 0.5.4

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====

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Independent BSON codec for Python that doesn't depend on MongoDB. The bson ObjectId implementation is forked from the PyMongo project, licensed under the Version 2.0 Apache License.

Installation
------------

.. sourcecode:: bash

   ~ $ python setup.py install

or can use pip

.. sourcecode:: bash

   ~ $ pip install bson

Quick start
------------
>>> import bson
>>> a = bson.dumps({'A':[1,2,3,4,5,u'6', u'7', {'C':u'DS'}]})
>>> b = bson.loads(a)
>>> b
{'A': [1, 2, 3, 4, 5, '6', u'7', {'C': u'DS'}]}

Sending and receiving BSON objects to and from network sockets.

>>> from gevent import monkey, socket
>>> monkey.patch_all()

>>> import bson
>>> bson.patch_socket()
>>> s = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
>>> s.connect(('127.0.0.1', 12345))
>>> s.sendobj({'message': 'hello!'}

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Metadata-Version: 1.1
Name: bson
Version: 0.5.4
Summary: BSON codec for Python
Home-page: http://github.com/py-bson/bson
Author: Ayun Park
Author-email: iamparkayun@gmail.com
License: BSD
Description: Independent BSON codec for Python that doesn't depend on MongoDB.
Keywords: BSON codec
Platform: Any
Classifier: Programming Language :: Python :: 2.6
Classifier: Programming Language :: Python :: 2.7
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1.3318 liblockfile 1.09-6
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/**
 * JSONSchema Validator - Validates JavaScript objects using JSON Schemas
 *(http://www.json.com/json-schema-proposal/)
 *
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 * To use the validator call the validate function with an instance object and an optional schema object.
 * If a schema is provided, it will be used to validate. If the instance object refers to a schema (self-validating),
 * that schema will be used to validate and the schema parameter is not necessary (if both exist,
 * both validations will occur).
 * The validate method will return an array of validation errors. If there are no errors, then an
 * empty list will be returned. A validation error will have two properties:
 * "property" which indicates which property had the error
 * "message" which indicates what the error was
 */

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1.3328 vim 2:8.0.0197-4+deb9u3

1.3329 jersey-media-jaxb 2.22.2

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jar/org/apache/thrift/TFieldRequirementType.java
* /opt/cola/permits/1176281205_1624666476.45/0/libthrift-0-9-3-sources-1-jar/org/apache/thrift/server/TServerEventHandler.java
* /opt/cola/permits/1176281205_1624666476.45/0/libthrift-0-9-3-sources-1-jar/org/apache/thrift/TServiceClientFactory.java
* /opt/cola/permits/1176281205_1624666476.45/0/libthrift-0-9-3-sources-1-jar/org/apache/thrift/server/THsHaServer.java
* /opt/cola/permits/1176281205_1624666476.45/0/libthrift-0-9-3-sources-1-jar/org/apache/thrift/meta_data/SetMetaData.java
* /opt/cola/permits/1176281205_1624666476.45/0/libthrift-0-9-3-sources-1-jar/org/apache/thrift/transport/TFastFramedTransport.java
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Found in path(s):
* /opt/cola/permits/1176281205_1624666476.45/0/libthrift-0-9-3-sources-1-jar/org/apache/thrift/TNonblockingMultiFetchClient.java
* /opt/cola/permits/1176281205_1624666476.45/0/libthrift-0-9-3-sources-1-jar/org/apache/thrift/TNonblockingMultiFetchStats.java

1.3340 libsolve 0.7.11-1.el8
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1.3341 @babel/plugin-transform-typeof-symbol 7.2.0

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1.3342 libcgi-fast-perl 1:2.04-1

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![Build Status](https://travis-ci.org/leejo/cgi-fast.svg?branch=master)

# NAME

CGI::Fast - CGI Interface for Fast CGI

# SYNOPSIS

use CGI::Fast
   socket_path => '9000',
   listen_queue => 50;

$COUNTER = 0;
CGI::Fast->file_handles(
   fcgi_input_file_handle => IO::Handle->new,
   fcgi_output_file_handle => IO::Handle->new,
   fcgi_error_file_handle => IO::Handle->new,
);

while (new CGI::Fast) {
   print header;
   print start_html("Fast CGI Rocks");
   print 
   h1("Fast CGI Rocks"),
   "Invocation number ",b($COUNTER++),
   " PID ",b($$),".",
   hr;
   print end_html;
}

# DESCRIPTION

CGI::Fast is a subclass of the CGI object created by CGI.pm. It is specialized to work with the FCGI module, which greatly speeds up CGI scripts by turning them into persistently running server processes. Scripts that perform time-consuming initialization processes, such as loading large modules or opening persistent database connections, will see large performance improvements.

# OTHER PIECES OF THE PUZZLE

In order to use CGI::Fast you'll need the FCGI module. See http://www.cpan.org/ for details.

# WRITING FASTCGI PERL SCRIPTS

FastCGI scripts are persistent: one or more copies of the script are started up when the server initializes, and stay around until the server exits or they die a natural death. After performing whatever one-time initialization it needs, the script enters a loop waiting for incoming connections, processing the request, and waiting some more.

A typical FastCGI script will look like this:

```perl
#!/usr/bin/perl
use CGI::Fast;
do_some_initialization();
while ($q = new CGI::Fast) {
```

---

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process_request($q);
}

Each time there's a new request, CGI::Fast returns a CGI object to your loop. The rest of the time your script waits in the call to new(). When the server requests that your script be terminated, new() will return undef. You can of course exit earlier if you choose. A new version of the script will be respawned to take its place (this may be necessary in order to avoid Perl memory leaks in long-running scripts).

CGI.pm's default CGI object mode also works. Just modify the loop this way:

while (new CGI::Fast) {
    process_request();
}

Calls to header(), start_form(), etc. will all operate on the current request.

# INSTALLING FASTCGI SCRIPTS

See the FastCGI developer's kit documentation for full details. On the Apache server, the following line must be added to srm.conf:

    AddType application/x-httpd-fcgi .fcgi

FastCGI scripts must end in the extension .fcgi. For each script you install, you must add something like the following to srm.conf:

    FastCgiServer /usr/etc/httpd/fcgi-bin/file_upload.fcgi -processes 2

This instructs Apache to launch two copies of file_upload.fcgi at startup time.

# USING FASTCGI SCRIPTS AS CGI SCRIPTS

Any script that works correctly as a FastCGI script will also work correctly when installed as a vanilla CGI script. However it will not see any performance benefit.

# EXTERNAL FASTCGI SERVER INVOCATION

FastCGI supports a TCP/IP transport mechanism which allows FastCGI scripts to run external to the webserver, perhaps on a remote machine. To configure the webserver to connect to an external FastCGI server, you would add the following
to your srm.conf:

    FastCgiExternalServer /usr/etc/httpd/fcgi-bin/file_upload.fcgi -host sputnik:8888

Two environment variables affect how the `CGI::Fast` object is created, allowing `CGI::Fast` to be used as an external FastCGI server. (See `FCGI` documentation for `FCGI::OpenSocket` for more information.)

You can set these as ENV variables or imports in the use CGI::Fast statement. If the ENV variables are set then these will be favoured so you can override the import statements on the command line, etc.

- **FCGI\_SOCKET\_PATH / socket\_path**

  The address (TCP/IP) or path (UNIX Domain) of the socket the external FastCGI script to which bind an listen for incoming connections from the web server.

- **FCGI\_LISTEN\_QUEUE / listen\_queue**

  Maximum length of the queue of pending connections, defaults to 100.

For example:

```perl
use CGI::Fast
    socket_path => "sputnik:8888",
    listen_queue => "50"
;

do_some_initialization();

while ($q = new CGI::Fast) {
    process_request($q);
}
```

Or:

```perl
use CGI::Fast;

do_some_initialization();

$ENV{FCGI_SOCKET_PATH} = "sputnik:8888";
$ENV{FCGI_LISTEN_QUEUE} = 50;

while ($q = new CGI::Fast) {
    process_request($q);
}
```

# FILE HANDLES
FCGI defaults to using STDIN, STDOUT, and STDERR as its filehandles - this may lead to unexpected redirect of output if you migrate scripts from CGI.pm to CGI::Fast. To get around this you can use the file_handles method, which you must do **before** the first call to CGI::Fast->new. For example using IO::Handle:

```perl
CGI::Fast->file_handles({
    fcgi_input_file_handle => IO::Handle->new,
    fcgi_output_file_handle => IO::Handle->new,
    fcgi_error_file_handle  => IO::Handle->new,
});
```

```perl
while (new CGI::Fast) {
...
}
```

# CAVEATS
I haven't tested this very much.

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https://github.com/leejo/cgi-fast

# BUGS
This section intentionally left blank.

# SEE ALSO

[CGI::Carp](https://metacpan.org/pod/CGI::Carp), [CGI](https://metacpan.org/pod/CGI)

Found in path(s):
* /opt/cola/permits/1112221139_1607050336.47/0/libcgi-fast-perl-2-04-orig-1.tar-gz/CGI-Fast-2.04/README

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=head1 NAME
=head1 SYNOPSIS

use CGI::Fast
    socket_path  => '9000',
    listen_queue => 50;

$COUNTER = 0;

# optional, will default to STDOUT, STDIN, STDERR
CGI::Fast->file_handles(
     fcgi_input_file_handle => IO::Handle->new,
     fcgi_output_file_handle => IO::Handle->new,
     fcgi_error_file_handle  => IO::Handle->new,
);

while (new CGI::Fast) {
    print header;
    print start_html("Fast CGI Rocks");
    print
     h1("Fast CGI Rocks"),
     "Invocation number ",b($COUNTER++),
     " PID ",b($$),".",
    hr;
    print end_html;
}

=head1 DESCRIPTION

CGI::Fast is a subclass of the CGI object created by CGI.pm. It is specialized to work with the FCGI module, which greatly speeds up CGI scripts by turning them into persistently running server processes. Scripts that perform time-consuming initialization processes, such as loading large modules or opening persistent database connections, will see large performance improvements.

=head1 OTHER PIECES OF THE PUZZLE

In order to use CGI::Fast you'll need the FCGI module. See http://www.cpan.org/ for details.

=head1 WRITING FASTCGI PERL SCRIPTS

FastCGI scripts are persistent: one or more copies of the script are started up when the server initializes, and stay around until the server exits or they die a natural death. After performing whatever one-time initialization it needs, the script enters a
loop waiting for incoming connections, processing the request, and waiting some more.

A typical FastCGI script will look like this:

```
#!/perl
use CGI::Fast;
do_some_initialization();
while ($q = new CGI::Fast) {
    process_request($q);
}
```

Each time there's a new request, CGI::Fast returns a CGI object to your loop. The rest of the time your script waits in the call to new(). When the server requests that your script be terminated, new() will return undef. You can of course exit earlier if you choose. A new version of the script will be respawned to take its place (this may be necessary in order to avoid Perl memory leaks in long-running scripts).

CGI.pm's default CGI object mode also works. Just modify the loop this way:

```
while (new CGI::Fast) {
    process_request();
}
```

Calls to header(), start_form(), etc. will all operate on the current request.

=head1 INSTALLING FASTCGI SCRIPTS

See the FastCGI developer's kit documentation for full details. On the Apache server, the following line must be added to srm.conf:

```
AddType application/x-httpd-fcgi .fcgi
```

FastCGI scripts must end in the extension .fcgi. For each script you install, you must add something like the following to srm.conf:

```
FastCgiServer /usr/etc/httpd/fcgi-bin/file_upload.fcgi -processes 2
```

This instructs Apache to launch two copies of file_upload.fcgi at startup time.

=head1 USING FASTCGI SCRIPTS AS CGI SCRIPTS
Any script that works correctly as a FastCGI script will also work correctly when installed as a vanilla CGI script. However it will not see any performance benefit.

=head1 EXTERNAL FASTCGI SERVER INVOCATION

FastCGI supports a TCP/IP transport mechanism which allows FastCGI scripts to run external to the webserver, perhaps on a remote machine. To configure the webserver to connect to an external FastCGI server, you would add the following to your srm.conf:

    FastCgiExternalServer /usr/etc/httpd/fcgi-bin/file_upload.fcgi -host sputnik:8888

Two environment variables affect how the C<CGI::Fast> object is created, allowing C<CGI::Fast> to be used as an external FastCGI server. (See C<FCGI> documentation for C<FCGI::OpenSocket> for more information.)

You can set these as ENV variables or imports in the use CGI::Fast statement. If the ENV variables are set then these will be favoured so you can override the import statements on the command line, etc.

=over

=item FCGI_SOCKET_PATH / socket_path

The address (TCP/IP) or path (UNIX Domain) of the socket the external FastCGI script to which bind an listen for incoming connections from the web server.

=item FCGI_LISTEN_QUEUE / listen_queue

Maximum length of the queue of pending connections, defaults to 100.

=back

For example:

    use CGI::Fast
        socket_path => "sputnik:8888",
        listen_queue => "50"
    :

    do_some_initialization();

    while ($q = new CGI::Fast) {
        process_request($q);
    }
Or:

    use CGI::Fast;

    do_some_initialization();

    $ENV{FCGI_SOCKET_PATH} = "sputnik:8888";
    $ENV{FCGI_LISTEN_QUEUE} = 50;

    while ($q = new CGI::Fast) {
        process_request($q);
    }

=head1 FILE HANDLES

FCGI defaults to using STDIN, STDOUT, and STDERR as its filehandles - this may lead to unexpected redirect of output if you migrate scripts from CGI.pm to CGI::Fast. To get around this you can use the file_handles method, which you must do B<before> the first call to CGI::Fast->new. For example using IO::Handle:

    CGI::Fast->file_handles({
        fcgi_input_file_handle => IO::Handle->new,
        fcgi_output_file_handle => IO::Handle->new,
        fcgi_error_file_handle => IO::Handle->new,
    });

    while (new CGI::Fast) {
        ..
    }

=head1 CAVEATS

I haven't tested this very much.

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=head1 BUGS
This section intentionally left blank.

=head1 SEE ALSO

L<CGI::Carp>, L<CGI>

=cut

Found in path(s):
* /opt/cola/permits/1112221139_1607050336.47/0/libcgi-fast-perl-2-04-orig-1-tar-gz/CGI-Fast-2.04/lib/CGI/Fast.pm
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---
abstract: unknown
author:
  - unknown
build_requires:
  Test::Deep: '0.11'
  Test::More: '0'
configureRequires: {}
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 6.98, CPAN::Meta::Converter version 2.140640'
license: unknown
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: '1.4'
name: CGI-Fast
no_index:
directory:
  - t
  - inc
  - t
requires:
  CGI: '4'
  FCGI: '0.67'
  File::Spec: '0.82'
  Test::Deep: '0.11'
  Test::More: '0.98'
  if: '0'
perl: '5.008001'
resources:
  bugtracker: https://github.com/leejo/cgi-fast/issues
  homepage: https://metacpan.org/module/CGI::Fast
  license: http://dev.perl.org/licenses/
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version: '2.04'
1.3343 pcre2 10.32-2.el8

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----------

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---------------------------

Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

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1.3344 libxdata 2:1.6.2-3

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making modifications to it. For a library, complete source code means
all the source code for all modules it contains, plus any associated
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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 distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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"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.)

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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.

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.

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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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1.3349 postcss-modules-local-by-default 1.2.0

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1.3350 promise-retry 1.1.1

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1.3351 extend 3.0.0

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1.3352 rename 0.20-3

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=head1 NAME

File::Rename - Perl extension for renaming multiple files

=head1 SYNOPSIS

use File::Rename qw(rename);
	# hide CORE::rename
rename @ARGV, sub { s/\.pl\z/\.pm/ }, 1;

use File::Rename;
File::Rename::rename @ARGV, '$_ = lc';

=head1 DESCRIPTION

=over 4

=item C<rename( FILES, CODE [, VERBOSE])>

rename FILES using CODE,
if FILES is empty read list of files from stdin

=item C<rename_files( CODE, VERBOSE, FILES)>

rename FILES using CODE

=item C<rename_list( CODE, VERBOSE, HANDLE [, FILENAME])>

rename a list of file read from HANDLE, using CODE

=back
OPTIONS

FILES

List of files to be renamed, for C<rename> must be an array

CODE

Subroutine to change file names, for C<rename> can be a string, otherwise a code reference

VERBOSE

Flag for printing names of files successfully renamed, optional for C<rename>

HANDLE

Filehandle to read file names to be renames

FILENAME (Optional)

Name of file that HANDLE reads from

HASH

Either CODE or VERBOSE can be a HASH of options. If CODE is a HASH, VERBOSE is ignored and CODE is supplied by the B<_code> key.

Other options are

over 16

B<verbose>

As VERBOSE above, provided by B<-v>.

B<no_action>
Print names of files to be renamed, but do not rename
(i.e. take no action), provided by B<-n>.

=item B<over_write>

Allow files to be over-written by the renaming, provided by B<-f>.

=item B<show_help>

Print help, provided by B<-h>.

=item B<show_manual>

Print manual page, provided by B<-m>.

=item B<show_version>

Print version number, provided by B<-V>.

=back

=head2 EXPORT

None by default.

=head1 ENVIRONMENT

No environment variables are used.

=head1 SEE ALSO

mv(1), perl(1), rename(1)

=head1 AUTHOR

Robin Barker <RMBarker@cpan.org>

=head1 Acknowledgements

Based on code from Larry Wall.

Options B<-e>, B<-f>, B<-n> suggested by more recent code written by Aristotle Pagaltzis.

=head1 DIAGNOSTICS

Errors from the code argument are not trapped.
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File-Rename version 0.20
====================================

File::Rename provides an implementation of Larry Wall's eg/rename command. All I have done is add some error checking and (more recently) add the File/Rename.pm module.

An earlier version of the script is out in the Internet and is included with some linuxes, and the original eg/rename is not included in the Perl distribution, so I have put this up on CPAN.

A revised version of the earlier script is now on the Internet, which includes more options. This script, distinguished by "Getopt::Long::Configure('bundling')", was not written by me; I think the author is Aristotle Pagaltzis. Version 0.10 of this distribution has similar options to the revised script.

For Windows, the script is called file-rename to avoid clashes with existing rename command.

INSTALLATION

To install this module type the following:

perl Makefile.PL
make
make test
make install

or if you have Module::Build

perl Build.PL
perl Build
c perl Build test
c perl Build install

dependencies

This module requires these other modules and libraries:
File::Basename File::Path File::Spec Getopt::Long
(all included with Perl).

Testing requires File::Temp and Test::More which are
available with perl 5.6.0. I have successfully installed
those modules for perl 5.005_05 and tested this module.

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Found in path(s):
 * /opt/cola/permits/1136857462_1613950656.39/0/rename-0-20-orig-1-tar-gz/File-Rename-0.20/README
No license file was found, but licenses were detected in source scan.

---
abstract: 'Perl extension for renaming multiple files'
author:
  - Robin Barker <RMBarker@cpan.org>'
buildRequires:
  File::Temp: 0
  Test::More: 0
configure_requires:
  Module::Build: 0.38
dynamicConfig: 1
generated_by: 'Module::Build version 0.4005, CPAN::Meta::Converter version 2.112621'
license: perl
meta_spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: File-Rename
provides:
  File::Rename:
    file: lib/File/Rename.pm
    version: 0.20
  File::Rename::Options:
1.3353 trim-right 1.0.1

1.3353.1 Available under license:

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1.3354 unist-util-remove-position 1.1.1
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1.3355 maglev-api 1.7.16
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Metadata-Version: 2.0
Name: maglev-api
Version: 1.7.16
Summary: Maglev API (1.7.16)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: PyYAML (==3.12)
Requires-Dist: monotonic (==1.1)
Requires-Dist: requests (==2.20.1)

# Installation

+ Requires: Python 3.5 download the dmg and install, use pyenv to create a virtual environment

Found in path(s):

* /opt/cola/permits/1175835377_1624505142.92/0/maglev-api-1-7-16-dist-info-
1.3356 debconf 1.5.56+deb8u1

1.3356.1 Available under license:
Format: http://dep.debian.net/deps/dep5/
Source: native package

Files: *
Copyright: 1999–2010 Joey Hess <joeyh@debian.org>
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Files: Test/*
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1.3357 libgcrypt 1.8.5-4.el8
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### 1.3363 @babel/plugin-syntax-optional-catch-binding 7.2.0

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* /opt/cola/permits/1112217922_1607050028.33/0/opentracing-instrumentation-2-4-0-1-targz/opentracing_instrumentation-2.4.0/opentracing_instrumentation/config.py
* /opt/cola/permits/1112217922_1607050028.33/0/opentracing-instrumentation-2-4-0-1-targz/opentracing_instrumentation-2.4.0/opentracing_instrumentation/request_context.py
* /opt/cola/permits/1112217922_1607050028.33/0/opentracing-instrumentation-2-4-0-1-targz/opentracing_instrumentation-2.4.0/opentracing_instrumentation/http_client.py
* /opt/cola/permits/1112217922_1607050028.33/0/opentracing-instrumentation-2-4-0-1-targz/opentracing_instrumentation-2.4.0/opentracing_instrumentation/utils.py
* /opt/cola/permits/1112217922_1607050028.33/0/opentracing-instrumentation-2-4-0-1-targz/opentracing_instrumentation-2.4.0/opentracing_instrumentation/client_hooks/sqlalchemy.py
* /opt/cola/permits/1112217922_1607050028.33/0/opentracing-instrumentation-2-4-0-1-targz/opentracing_instrumentation-2.4.0/opentracing_instrumentation/client_hooks/__init__.py
* /opt/cola/permits/1112217922_1607050028.33/0/opentracing-instrumentation-2-4-0-1-targz/opentracing_instrumentation-2.4.0/opentracing_instrumentation/client_hooks/psycopg2.py
* /opt/cola/permits/1112217922_1607050028.33/0/opentracing-instrumentation-2-4-0-1-targz/opentracing_instrumentation-2.4.0/opentracing_instrumentation/local_span.py
* /opt/cola/permits/1112217922_1607050028.33/0/opentracing-instrumentation-2-4-0-1-tar-
No license file was found, but licenses were detected in source scan.

Metadata-Version: 1.1
Name: opentracing_instrumentation
Version: 2.4.0
Summary: Tracing Instrumentation using OpenTracing API (http://opentracing.io)
Home-page: https://github.com/uber-common/opentracing-python-instrumentation
Author: Yuri Shkuro
Author-email: ys@uber.com
License: MIT
Description-Content-Type: UNKNOWN
Description: UNKNOWN
Keywords: opentracing
Platform: any
Classifier: Development Status :: 3 - Alpha
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: MIT License
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: Implementation :: PyPy
Classifier: Topic :: Software Development :: Libraries :: Python Modules

Found in path(s):
* /opt/cola/permits/1112217922_1607050028.33/0/opentracing-instrumentation-2-4-0-1-target/gz/opentracing_instrumentation/client_hooks/strict_redis.py
* /opt/cola/permits/1112217922_1607050028.33/0/opentracing-instrumentation-2-4-0-1-target/gz/opentracing_instrumentation/http_server.py
* /opt/cola/permits/1112217922_1607050028.33/0/opentracing-instrumentation-2-4-0-1-target/gz/opentracing_instrumentation/client_hooks/_singleton.py
* /opt/cola/permits/1112217922_1607050028.33/0/opentracing-instrumentation-2-4-0-1-target/gz/opentracing_instrumentation/client_hooks/requests.py
* /opt/cola/permits/1112217922_1607050028.33/0/opentracing-instrumentation-2-4-0-1-target/gz/opentracing_instrumentation-2.4.0/opentracing_instrumentation/client_hooks/urllib.py
* /opt/cola/permits/1112217922_1607050028.33/0/opentracing-instrumentation-2-4-0-1-target/gz/opentracing_instrumentation-2.4.0/opentracing_instrumentation/__init__.py
* /opt/cola/permits/1112217922_1607050028.33/0/opentracing-instrumentation-2-4-0-1-target/gz/opentracing_instrumentation-2.4.0/opentracing_instrumentation/interceptors.py

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Found in path(s):
* /opt/cola/permits/1112217922_1607050028.33/0/opentracing-instrumentation-2-4-0-1-target/gz/opentracing_instrumentation-2.4.0/setup.py
No license file was found, but licenses were detected in source scan.

Metadata-Version: 1.1
Name: opentracing-instrumentation
Version: 2.4.0
Summary: Tracing Instrumentation using OpenTracing API (http://opentracing.io)
Home-page: https://github.com/uber-common/opentracing-python-instrumentation
Author: Yuri Shkuro
Author-email: ys@uber.com
License: MIT
Description-Content-Type: UNKNOWN
Description: UNKNOWN
Keywords: opentracing
Platform: any
Classifier: Development Status :: 3 - Alpha
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: MIT License
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: Implementation :: PyPy
Classifier: Topic :: Software Development :: Libraries :: Python Modules

Found in path(s):
* /opt/cola/permits/1112217922_1607050028.33/0/opentracing-instrumentation-2.4.0-1.tar.gz/opentracing_instrumentation-2.4.0/opentracing_instrumentation.egg-info/PKG-INFO

1.3367 forever-monitor 1.5.2

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1.3368 chkconfig 1.11-1.el8

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1.3369 libcpan-meta-perl 2.142690-1

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The End
---
abstract: 'Build and install Perl modules'
author:
  - 'Ken Williams <kwilliams@cpan.org>'
  - "Development questions, bug reports, and patches should be sent to the
    Module-Build mailing list at <module-build@perl.org>.'"
built_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
  license: http://dev.perl.org/licenses/
  repository: http://github.com/dagolden/module-build/
  version: 3
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**1.3371 zipkin-collector-kafka 1.20.1**

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 */
```

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* `/opt/cola/permits/1176282613_1624666895.7/0/zipkin-collector-kafka-1-20-1-sources-jar/zipkin/collector/kafka/KafkaCollector.java`
* `/opt/cola/permits/1176282613_1624666895.7/0/zipkin-collector-kafka-1-20-1-sources-jar/zipkin/collector/kafka/KafkaStreamProcessor.java`

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* /opt/cola/permits/1176282613_1624666895.7/0/zipkin-collector-kafka-1.20.1-sources-jar/META-INF/maven/io.zipkin.java/zipkin-collector-kafka/pom.xml

1.3372 number-is-nan 1.0.1

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1.3374 hide-powered-by 1.0.0

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1.3375 aiohttp 3.6.2
1.3375.1 Available under license :

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### An HTTP(s) proxy `http.Agent` implementation for HTTPS

This module provides an `http.Agent` implementation that connects to a specified HTTP or HTTPS proxy server, and can be used with the built-in `https` module.

Specifically, this `Agent` implementation connects to an intermediary "proxy" server and issues the [CONNECT HTTP method][CONNECT], which tells the proxy to open a direct TCP connection to the destination server.

Since this agent implements the CONNECT HTTP method, it also works with other protocols that use this method when connecting over proxies (i.e. WebSockets).

See the "Examples" section below for more.

#### Installation

Install with `npm`:

```bash
$ npm install https-proxy-agent
```

#### Examples

##### `https` module example

```js
var url = require('url');
var https = require('https');
var HttpsProxyAgent = require('https-proxy-agent');

// HTTP/HTTPS proxy to connect to
var proxy = process.env.http_proxy || 'http://168.63.76.32:3128';
console.log('using proxy server %j', proxy);
```
```javascript
// HTTPS endpoint for the proxy to connect to
console.log('attempting to GET %j', endpoint);
var options = url.parse(endpoint);

// create an instance of the `HttpsProxyAgent` class with the proxy server information
var agent = new HttpsProxyAgent(proxy);
options.agent = agent;

https.get(options, function (res) {
  console.log('response event!', res.headers);
  res.pipe(process.stdout);
});
```

```javascript
#### `ws` WebSocket connection example

```javascript
```

```javascript
```

```javascript
// HTTP/HTTPS proxy to connect to
var proxy = process.env.http_proxy || 'http://168.63.76.32:3128';
console.log('using proxy server %j', proxy);

// WebSocket endpoint for the proxy to connect to
var endpoint = process.argv[2] || 'ws://echo.websocket.org';
var parsed = url.parse(endpoint);
console.log('attempting to connect to WebSocket %j', endpoint);

// create an instance of the `HttpsProxyAgent` class with the proxy server information
var options = url.parse(proxy);
var agent = new HttpsProxyAgent(options);

// finally, initiate the WebSocket connection
var socket = new WebSocket(endpoint, { agent: agent });

socket.on('open', function () {
  console.log('open event!');
  socket.send('hello world');
});

socket.on('message', function (data, flags) {
  console.log('message event! %j %j', data, flags);
  socket.close();
});
```
### new HttpsProxyAgent(Object options)

The `HttpsProxyAgent` class implements an `http.Agent` subclass that connects to the specified "HTTP(s) proxy server" in order to proxy HTTPS and/or WebSocket requests. This is achieved by using the [HTTP `CONNECT` method][CONNECT].

The `options` argument may either be a string URI of the proxy server to use, or an "options" object with more specific properties:

* `host` - String - Proxy host to connect to (may use `hostname` as well). Required.
* `port` - Number - Proxy port to connect to. Required.
* `protocol` - String - If `https:`, then use TLS to connect to the proxy.
* `headers` - Object - Additional HTTP headers to be sent on the HTTP CONNECT method.
* Any other options given are passed to the `net.connect()`/`tls.connect()` functions.

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[CONNECT]: http://en.wikipedia.org/wiki/HTTP_tunnel#HTTP_CONNECT_Tunneling
1.3377 lodash-baseflatten 4.2.1

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DRuntime: Runtime Library for the D Programming Language
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Preamble

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<tr>
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<th>Directory</th>
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<tbody>
<tr>
<td>mach_override</td>
<td>lib/interception/mach_override</td>
</tr>
</tbody>
</table>

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1.3379 maglev-appctl 1.4.0.3154
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Metadata-Version: 2.0
Name: maglev-appctl
Version: 1.4.0.3154
Summary: Maglev Python Application Controller (1.4.0.3154)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: click (==6.6)
Requires-Dist: click-completion (==0.2.1)
Requires-Dist: hprof2flamegraph (==0.0.6)
Requires-Dist: psutil (==4.3.0)
Requires-Dist: pyJwt (==1.4.0)
Requires-Dist: requests (==2.13.0)
Requires-Dist: toml (==0.9.2)

# Installation
+ Requires : Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

# How to test and develop in local mac
- Use pyvenv to create a virtual env in /opt/maglev
- u can either call the activate script to activate the virtualenv

Found in path(s):
* /opt/cola/permits/1127086580_1612331662.61/0/maglev-appctl-1-4-0-3154-dist-info-
  zip/inputdir/packages_extracted/tar/1/packages_extracted/65/packages_extracted/opt/maglev/lib/python3.5/site-
  packages/maglev_appctl-1.4.0.3154.dist-info/METADATA

1.3380 libxi 2:1.7.6 1
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1.3381 idna 2.2

1.3381.1 Available under license:

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```text
***
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

version = "2.2"

def main():

    python_version = sys.version_info[:2]
    if python_version < (2,6):
        raise SystemExit("Sorry, Python 2.6 or newer required")

    arguments = {
        'name': 'idna',
        'packages': ['idna'],
        'version': version,
        'description': 'Internationalized Domain Names in Applications (IDNA)',
        'long_description': io.open("README.rst", encoding="UTF-8").read(),
        'author': 'Kim Davies',
        'author_email': 'kim@cynosure.com.au',
        'license': 'BSD-like',
        'url': 'https://github.com/kjd/idna',
        'classifiers': [
            'Development Status :: 5 - Production/Stable',
            'Intended Audience :: Developers',
            'Intended Audience :: System Administrators',
            'License :: OSI Approved :: BSD License',
            'Operating System :: OS Independent',
            'Programming Language :: Python',
            'Programming Language :: Python :: 2.6',
            'Programming Language :: Python :: 2.7',
            'Programming Language :: Python :: 3',
            'Programming Language :: Python :: 3.3',
            'Programming Language :: Python :: 3.4',
            'Programming Language :: Python :: 3.5',
            'Topic :: Internet :: Name Service (DNS)',
            'Topic :: Software Development :: Libraries :: Python Modules',
            'Topic :: Utilities',
        ],
        'test_suite': 'tests',
    }

    setup(**arguments)

    if __name__ == '__main__':
        main()

Found in path(s):
* /opt/cola/permits/1110717002_1606846551.61/0/kjd-idna-v2-2-0-gb43bbe8-tar-gz/kjd-idna-692c13c/setup.py
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1.3382 async 1.5.2

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1.3383 graceful-readlink 1.0.1
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<meta http-equiv="X-UA-Compatible" content="IE=edge">
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/* The following code is added by mdx_elementid.py */
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/*
* Hide class="elementid-permalink", except when an enclosing heading
* has the :hover property.
*/
.headerlink, .elementid-permalink {
  visibility: hidden;
}

h2:hover > .headerlink, h3:hover > .headerlink, h1:hover > .headerlink, h6:hover > .headerlink, h4:hover >
  .headerlink, h5:hover > .headerlink, dt:hover > .elementid-permalink { visibility: visible }
</style>


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1.3397 libgcc-dev 4.9.2-10+deb8u2

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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.

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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
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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
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@setfilename gpl
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c man end

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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 Dossor (dossor@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@mtiame.mtia.oz.au), Michel Schinz, and
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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
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Sony News specific code. Al Doss provided Alpha/OSF/1 code. He and
Dave Detlefs (detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks (agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports.
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to
a Motorola 88K processor running CX/UX (Harris NightHawk).
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to
nonIBM development environments (a nontrivial task).
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.
David Chase, then at Olivetti Research, suggested several improvements.
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the
code to save and print call stacks for leak detection on a SPARC.
Jesse Hull and John Ellis supplied the C++ interface code.
Zhong Shao performed much of the experimentation that led to the
current typed allocation facility. (His dynamic type inference code hasn't
made it into the released version of the collector, yet.)
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*m4/ax_func_which_gethostname_r.m4*

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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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py3compile, py3clean and debpython module:

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1.3409 coreutils 8.25 2ubuntu2

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Changes:
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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.

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Mersenne Twister
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The `_random' module includes code based on a download from `http://www.math.keio.ac.jp/~matumoto/MT2002/emt19937ar.html'. The following are the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26. Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed) or init_by_array(init_key, key_length).

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Sockets
-------

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with python standard
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--------------------------

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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it
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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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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.

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#+STARTUP: showall

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

--------------------------------------------------------------------------
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The tests used were initially based on https://github.com/andrewrk/node-multiparty which in turn is based
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1.3437 libpamg 1.1.8 3.2ubuntu2.3

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1.3440.1 Available under license:
Java ClassMate library was originally written by Tatu Saloranta (tatu.saloranta@iki.fi)

Other developers who have contributed code are:

* Brian Langel

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// ES3/ES5 implementation of the Krhonos 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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### 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
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>`

Depreciated 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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=======================================================================
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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
assert.deepEqual(
  valid('(GPL-3.0-only OR BSD-2-Clause)'),
  validSPDXExpression
);
```

... except if they contain `LicenseRef`:

```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>"',
  ]
};

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:

```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);
```

1.3443 dkms 2.3-3ubuntu9.7

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Version 2, June 1991

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* /opt/cola/permits/1111265407_1606892043.66/0/spring-webmvc-3-2-8-release-sources-1.jar/org/springframework/web/servlet/config/annotation/InterceptorRegistry.java

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A contract for inspecting and potentially modifying request data values such as URL query parameters or form field values before they are rendered by a view or before a redirect.

Implementations may use this contract for example as part of a solution to provide data integrity, confidentiality, protection against cross-site request forgery (CSRF), and others or for other tasks such as automatically adding a hidden field to all forms and URLs.

View technologies that support this contract can obtain an instance to delegate to via `@link RequestContext#getRequestDataValueProcessor()`.  

@since 3.1

XSLT-driven View that allows for response context to be rendered as the result of an XSLT transformation.

The XSLT Source object is supplied as a parameter in the model and then `[@link #locateSource detected]` during response rendering. Users can either specify
* a specific entry in the model via the [@link #setSourceKey sourceKey] property or
* have Spring locate the Source object. This class also provides basic conversion
* of objects into Source implementations. See [@link #getSourceTypes() here]
* for more details.

* <p>All model parameters are passed to the XSLT Transformer as parameters.
* In addition the user can configure [@link #setOutputProperties output properties]
* to be passed to the Transformer.
* 
* @author Rob Harrop
* @author Juergen Hoeller
* @since 2.0
*/

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* /opt/cola/permits/1111265407_1606892043.66/0/spring-webmvc-3-2-8-release-sources-1-jar/org/springframework/web/servlet/mvc/AbstractTemplateViewResolver.java
* /opt/cola/permits/1111265407_1606892043.66/0/spring-webmvc-3-2-8-release-sources-1-jar/org/springframework/web/servlet/mvc/HttpMessageConverter.java

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jar/org/springframework/web/servlet/mvc/condition/ConsumesRequestCondition.java
  * /opt/cola/permits/1111265407_1606892043.66/0/spring-webmvc-3-2-8-release-sources-1-
jar/org/springframework/web/servlet/view/AbstractView.java
  * /opt/cola/permits/1111265407_1606892043.66/0/spring-webmvc-3-2-8-release-sources-1-
jar/org/springframework/web/servlet/mvc/method/RequestMappingInfo.java
  * /opt/cola/permits/1111265407_1606892043.66/0/spring-webmvc-3-2-8-release-sources-1-
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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 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_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 "INSTALLPROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)/$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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The most recent officially distributed version can be found at http://e2fsprogs.sourceforge.net. If you need to make a distribution, that's the one you should use. If there is some reason why you'd like a more recent version that is still in ALPHA testing (i.e., either using the "WIP" test distributions or one from the hg or git repository from the development branch, please contact me (tytso@mit.edu) before you ship. The release schedules for this package are flexible, if you give me enough lead time.

Theodore Ts'o
23-June-2007

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* /opt/cola/permits/1110631590_1606842066.7/0/regenerator-runtime-0-10-5-4-tgz/package/runtime.js

1.3452 browserslist 4.4.1

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7.1.0

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The End
---
abstract: 'Build and install Perl modules'
author:
  - 'Ken Williams <kwilliams@cpan.org>'
  - "Development questions, bug reports, and patches should be sent to the Module-Build mailing list at <module-build@perl.org>.'
build_requires:
  File::Temp: 0.15
Test::Harness: 3.16
Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
  license: http://dev.perl.org/licenses/
  repository: http://github.com/dagolden/module-build/
  version: 3
Format: http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: perl
Source: http://www.perl.com/CPAN/src/5.0/
Comment:
  This package was debianized by Brendan O'Dea <bod@debian.org> on
  Thu, 17 Aug 2000 16:10:54 +1000.
  
  Upstream Authors:
  
  Larry Wall et. al. (see /usr/share/doc/perl/AUTHORS).
  
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Julian Seward, jseward@bzip.org
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dist/Safe/*
ext/Fcntl/*
ext/FileCache/*
ext/GDBM_File/*
ext/IPC-Open2/*
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ext/NDBM_File/*
ext/ODBM_File/*
ext/Opcode/*
ext/PerlIO-encoding/*
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

That's all there is to it!

#!perl

=head1 NAME

copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the
C<perl -v> output match each other.
If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

=cut

use TestInit;
use strict;
use Config;
BEGIN { require 'test.pl' }

if ( $Config{usecrosscompile} ) {
  skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
  my $current_year = (gmtime)[5] + 1900;
  is $v_year, $current_year, 'perl -v copyright includes current year';
  is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
{
  is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
  open my $readme, '<', './README' or die "Opening README failed: $!";
  "}
# The copyright message is the first paragraph:
local $/ = '';
my $copyright_msg = <$readme>;

my ($year) = $copyright_msg =~ /.*\b\d{4,}/s
  or die "Year not found in README copyright message '$copyright_msg'";

$year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{

my $output = runperl switches => ['-v'];
my ($year) = $output =~ /copyright 1987.*\b\d{4,}/
  or die "Copyright statement not found in perl -v output '$output'";

$year;
}

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The End
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1.3467 jackson-jaxrs 2.9.9

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### 1.3468 libnlroute 3.2.29-0ubuntu3

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The packaging is based on Michael Biebl's <biebl@teco.edu> original packaging of libnl1.

It was downloaded from https://github.com/thom311/libnl/releases

Upstream Author:
  Thomas Graf <tgraf@suug.ch>

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include/netlink/route/addr.h

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lib/netfilter/queue_msg_obj.c
lib/netfilter/queue_msg.c
lib/netfilter/queue.c
lib/netfilter/netfilter.c
lib/netfilter/queue_obj.c
include/netlink/netfilter/netfilter.h
include/netlink/netfilter/queue.h
src/nf-queue.c

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include/netlink/xfrm/selector.h
include/netlink/xfrm/sa.h
include/netlink/xfrm/ae.h
include/netlink/xfrm/sp.h
include/netlink/xfrm/template.h
include/netlink/xfrm/lifetime.h
lib/xfrm/sa.c
lib/xfrm/template.c
lib/xfrm/ae.c
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src/cls/utils.c
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include/netlink/xfrm/sa.h
include/netlink/xfrm/ae.h
include/netlink/xfrm/sp.h
include/netlink/xfrm/template.h
include/netlink/xfrm/lifetime.h
lib/xfrm/sa.c
lib/xfrm/template.c
lib/xfrm/ae.c
lib/xfrm/sp.c
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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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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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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.

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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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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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   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
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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.

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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Mersenne Twister
----------------

The `_random` module includes code based on a download from `http://www.math.keio.ac.jp/~matumoto/MT2002/emt19937ar.html`. The following are the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26. Coded by Takuji Nishimura and Makoto Matsumoto.
Before using, initialize the state by using `init_genrand(seed)`
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Any feedback is very welcome.
http://www.math.keio.ac.jp/matumoto/emt.html
email: matumoto@math.keio.ac.jp

Sockets
-------

The `socket` module uses the functions, `getaddrinfo`, and
`getnameinfo`, which are coded in separate source files from the WIDE

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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.

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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 3a0982da308228d796df35f98d787c5cfcf2bb5b6.

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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import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.javadoc.Tag;

/**
 * A simple Taglet which handles Copyright information.
 */
public class CopyrightTaglet implements Taglet {

private static final String NAME = "copyright";
private static final String HEADER = "Copyright:";

public String getName() {
    return NAME;
}

public boolean inField() {
    return true;
}

public boolean inConstructor() {
    return true;
}

public boolean inMethod() {
    return true;
}

public boolean inOverview() {
    return true;
}

public boolean inPackage() {
    return true;
}

public boolean inType() {
    return true;
}
public boolean isInlineTag() {
    return false;
}

public static void register(Map tagletMap) {
    CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
    tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
}

public String toString(Tag tag) {
    return toString(new Tag[] { tag });
}

public String toString(Tag[] tags) {
    if (tags.length == 0) {
        return null;
    }
    else {
        boolean haveValidTag = false;
        for (int i = 0; i < tags.length && !haveValidTag; ++i) {
            if (tags[i].text().length() > 0) {
                haveValidTag = true;
            }
        }
    }
    if (haveValidTag) {
        StringBuffer result = new StringBuffer();
        result.append("<dt>");
        for (int i = 0; i < tags.length; i++) {
            if (tags[i].text().length() > 0) {
                result.append("<dt><i>Copyright &copy; " + tags[i].text() + "</i></dt>");
            }
        }
        result.append("</dl>" );
        return result.toString();
    }
    else {
        return null;
    }
}

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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "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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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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   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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in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
root function must still compute square roots.)

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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
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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
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
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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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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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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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

// DO NOT EDIT THIS FILE - it is machine generated -*- c++ -*-

#ifndef __java_security_Permission__
#define __java_security_Permission__

#pragma interface
#include <java/lang/Object.h>
extern "Java"
{
 namespace java
 {
  namespace security
  {
   class Permission;
   class PermissionCollection;
  }
  }
}

class java::security::Permission : public java::lang::Object
{
  public:
    Permission(::java::lang::String *);
    virtual void checkGuard(::java::lang::Object *);
    virtual jboolean implies(::java::security::Permission *) = 0;
    virtual jboolean equals(::java::lang::Object *) = 0;
    virtual jint hashCode() = 0;
    virtual ::java::lang::String * getName();
    virtual ::java::lang::String * getActions() = 0;
    virtual ::java::security::PermissionCollection * newPermissionCollection();
    virtual ::java::lang::String * toString();
  private:
    static const jlong serialVersionUID = -5636570222231596674LL;
    ::java::lang::String * __attribute__((aligned(__alignof__(::java::lang::Object)))) name;
  public:
    static ::java::lang::Class class$;
};

#endif // __java_security_Permission__
@ignore
@c Set file name and title for man page.
@setfilename gpl
@settitle GNU General Public License
@c man begin SEEALSO
  gfdl(7), fsf-funding(7).
@c man end
@c man begin COPYRIGHT
  Copyright @copyright{} 2007 Free Software Foundation, Inc.
  Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
@c man end
@end ignore
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@heading TERMS AND CONDITIONS

@enumerate
@item Definitions.

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@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.

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@end c man end
/* Permission.java -- The superclass for all permission objects

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package java.security;

import gnu.java.lang.CPStringBuilder;

import java.io.Serializable;

/**
   * This class is the abstract superclass of all classes that implement
   * the concept of a permission. A permission consists of a permission name
   * and optionally a list of actions that relate to the permission. The
   * actual meaning of the name of the permission is defined only in the
   */
context of a subclass. It may name a resource to which access permissions are granted (for example, the name of a file) or it might represent something else entirely. Similarly, the action list only has meaning within the context of a subclass. Some permission names may have no actions associated with them. That is, you either have the permission or you don't.

The most important method in this class is `implies()`. This checks whether if one has this permission, then the specified permission is also implied. As a conceptual example, consider the permissions "Read All Files" and "Read File foo". The permission "Read All Files" implies that the caller has permission to read the file foo.

Permission's must be immutable - do not change their state after creation.

@see Permissions
@see PermissionCollection
@see Guard
@since 1.1
@status updated to 1.4

```java
public abstract class Permission implements Guard, Serializable {

    /**
     * This is the name assigned to this permission object.
     *
     * @serial the name of the permission
     */
    private String name;

    /**
     * Create an instance with the specified name.
     *
     * @param name the permission name
     */
    public Permission(String name) {
        this.name = name;
    }

    /**
     * @serialVersionUID
    */
    private static final long serialVersionUID = -5636570222231596674L;

    /**
     * @status updated to 1.4
    */
    @author Aaron M. Renn (arenn@urbanophile.com)
    @since 1.1
    @see Permissions
    @see PermissionCollection
    public abstract class Permission implements Guard, Serializable {
    }
```
* This method implements the `<code>Guard</code>` interface for this class.
* It calls the `<code>checkPermission</code>` method in
* `<code>SecurityManager</code>` with this `<code>Permission</code>` as its
* argument. This method returns silently if the security check succeeds
* or throws an exception if it fails.
* 
* @param obj the `<code>Object</code>` being guarded - ignored by this class
* @throws SecurityException if the security check fails
* @see GuardedObject
* @see SecurityManager#checkPermission(Permission)
*/
public void checkGuard(Object obj)
{
    SecurityManager sm = System.getSecurityManager();
    if (sm != null)
        sm.checkPermission(this);
}

/**
* This method tests whether this `<code>Permission</code>` implies that the
* specified `<code>Permission</code>` is also granted.
* 
* @param perm the `<code>Permission</code>` to test against
* @return true if perm is implied by this
*/
public abstract boolean implies(Permission perm);

/**
* Check to see if this object equals obj. Use `<code>implies</code>`, rather
* than `<code>equals</code>`, when making access control decisions.
* 
* @param obj the object to compare to
* @return the name
public final String getName()
{
    return name;
}

/**
 * This method returns the list of actions for this <code>Permission</code>
 * as a <code>String</code>. The string should be in canonical order, for
 * example, both <code>new FilePermission(f, "write,read")</code> and
 * <code>new FilePermission(f, "read,write")</code> have the action list
 * "read,write".
 *
 * @return the action list for this <code>Permission</code>
 */
public abstract String getActions();

/**
 * This method returns an empty <code>PermissionCollection</code> object
 * that can store permissions of this type, or <code>null</code> if no
 * such collection is defined. Subclasses must override this to provide
 * an appropriate collection when one is needed to accurately calculate
 * <code>implies</code>.
 *
 * @return a new <code>PermissionCollection</code>
 */
public PermissionCollection newPermissionCollection()
{
    return null;
}

/**
 * This method returns a <code>String</code> representation of this
 * <code>Permission</code> object. This is in the format:
 * <code>'(' + getClass().getName() + ' ' + getName() + ' ' + getActions
 * + ')'</code>.
 *
 * @return this object as a <code>String</code>
 */
public String toString()
{
    CPStringBuilder string = new CPStringBuilder();

    string = string.append('(');
    string = string.append(getClass().getName());
    string = string.append(' ');
    string = string.append(getName());
    string = string.append(' ');
    string = string.append(getActions());
    string = string.append(')');

    return string.toString();
}
if (!(getActions().equals("")))
{
    string = string.append(' ');
    string = string.append(getActions());
}

string = string.append(')');
return string.toString();
}
} // class Permission

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That's all there is to it!

Version 3, 29 June 2007

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</para>
</appendix>
#!/usr/bin/python
#
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#
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# the Free Software Foundation; either version 3, or (at your option)
# any later version.
#
# This script adjusts the copyright notices at the top of source files
# so that they have the form:
#
# Copyright XXXX-YYYY Free Software Foundation, Inc.
#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
#    update-copyright.pl --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
#    update-copyright.pl --this-year libjava
#
# would run the script on just libjava/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__(self):
        self.num_errors = 0

def report(self, filename, string):
    if filename:
        string = filename + ' : ' + string
        sys.stderr.write(string + '\n')
        self.num_errors += 1

def ok (self):
    return self.num_errors == 0
class GenericFilter:
    def __init__(self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set (
            # Skip licence files.
            'COPYING',
            'COPYING.LIB',
            'COPYING3',
            'COPYING3.LIB',
            'LICENSE',
            'fdl.texi',
            'gpl_v3.texi',
            'fdl-1.3.xml',
            'gpl-3.0.xml',

            # Skip auto- and libtool-related files
            'aclocal.m4',
            'compile',
            'config.guess',
            'config.sub',
            'depcomp',
            'install-sh',
            'libtool.m4',
            'ltmain.sh',
            'ltoptions.m4',
            'lttsugar.m4',
            'ltversion.m4',
            'lt~obsolete.m4',
            'missing',
            'mkdep',
            'mkinstalldirs',
            'move-if-change',
            'shlibpath.m4',
            'symmlink-tree',
            'ylwrap',

            # Skip FSF mission statement, etc.
            'gnu.texi',
            'funding.texi',
            'appendix_free.xml',

            # Skip imported texinfo files.
            'texinfo.tex',

def get_line_filter(self, dir, filename):
    if filename.startswith('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile(r'^\t')
    return None

def skip_file(self, dir, filename):
    if filename in self.skip_files:
        return True
    (base, extension) = os.path.splitext(os.path.join(dir, filename))
    if extension in self.skip_extensions:
        return True
    if extension == '.in':
        # Skip .in files produced by automake.
        if os.path.exists(base + '.am'):
            return True
    # Skip files produced by autogen
    if (os.path.exists(base + '.def')
        and os.path.exists(base + '.tpl')):
        return True
    # Skip configure files produced by autoconf
    if filename in ['configure', 'configure.ac']:
        if os.path.exists(base + '.ac'):
            return True
    if os.path.exists(base + '.in'):
        return True
    return False

def skip_dir(self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file(self, dir, filename):
    if filename in self.fossilised_files:
        return True
    # Only touch current current ChangeLogs.
    if filename != 'ChangeLog' and filename.find('ChangeLog') >= 0:
        return True
    return False
def by_package_author(self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__(self, errors):
        self.errors = errors

    # Characters in a range of years. Include `.' for typos.
    ranges = '[0-9](?:[-0-9,.\s]+and\s+)*[0-9]'

    # Non-whitespace characters in a copyright holder's name.
    name = '\[\w.,-\]'

    # Matches one year.
    self.year_re = re.compile('[0-9]+')

    # Matches part of a year or copyright holder.
    self.continuation_re = re.compile(ranges + '|' + name)

    # Matches a full copyright notice:
    self.copyright_re = re.compile(
        # 1: 'Copyright (C)', etc.
        '([Cc]opyright'  
        |([Cc]opyright\s+\([Cc]\))'  
        |([Cc]opyright\s+\%s'  
        |([Cc]opyright\s+\&copy;)'  
        |([Cc]opyright\s+\@copyright\{\})'  
        |copyright = u''  
        |@set\s+copyright[\w-]+'
        'by\s+)?'  
        '(' + name + '(?:\w+)*')

    # 2: the years. Include the whitespace in the year, so that
    # we can remove any excess.
    '\s*(:? + ranges + \.)'  
    '|@value\{"\s+\}s*')

    # 3: 'by ', if used
    '(by\s+)?'

    # 4: the copyright holder. Don't allow multiple consecutive
    # spaces, so that right-margin gloss doesn't get caught
    # (e.g. gnat_ugn.texi).
    '\( + name + (?:\s? + name + \')\)*')

    # A regexp for notices that might have slipped by. Just matching
    # 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
    # HTML header markers, so check for 'copyright' and two digits.
    self.other_copyright_re = re.compile('copyright.*[0-9][0-9]',
        re.IGNORECASE)
def add_package_author(self, holder, canon_form=None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find(' ')
    while index >= 0:
        self.holder_prefixes.add(holder[:index])
        index = holder.find(' ', index + 1)

def add_external_author(self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__(self, year):
        self.year = year

    def __str__(self):
        return 'unrecognised year: ' + self.year

def parse_year(self, string):
    year = int(string)
    if len(string) == 2:
        if year > 70:
            return year + 1900
        elif len(string) == 4:
            return year
    raise self.BadYear(string)

def year_range(self, years):
    year_list = [self.parse_year(year)
                 for year in self.year_re.findall(years)]
    assert len(year_list) > 0
    return (min(year_list), max(year_list))

def set_use_quilt(self, use_quilt):
    self.use_quilt = use_quilt
self.use_quilt = use_quilt

def include_year (self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years (self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith('@value'):
        return years

    (min_year, max_year) = self.year_range(years)

    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file(dir, filename):
        max_year = max (max_year, self.max_year)

    # Use a range.
    if min_year == max_year:
        return '%d' % min_year
    else:
        return '%d-%d' % (min_year, max_year)

def strip_continuation (self, line):
    line = line.lstrip()
    match = self.comment_re.match(line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete (self, match):
    holder = match.group(4)
    return (holder
            and (holder not in self.holder_prefixes
                 or holder in self.holders))

def update_copyright (self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join(dir, filename)

    intro = match.group(1)
    if intro.startswith ('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end(2):].strip()
        if after_years != '':
            self.errors.report(pathname,
                               'trailing characters in @set: '

return (False, orig_line, next_line)

else:
    # If it looks like the copyright is incomplete, add the next line.
    while not self.is_complete (match):
        try:
            next_line = file.next()
        except StopIteration:
            break

        # If the next line doesn't look like a proper continuation,
        # assume that what we've got is complete.
        continuation = self.strip_continuation (next_line)
        if not self.continuation_re.match (continuation):
            break

        # Merge the lines for matching purposes.
        orig_line += next_line
        line = line.rstrip() + ' ' + continuation
        next_line = None

        # Rematch with the longer line, at the original position.
        match = self.copyright_re.match (line, match.start())
        assert match

        holder = match.group (4)

        # Use the filter to test cases where markup is getting in the way.
        if filter.by_package_author (dir, filename):
            assert holder not in self.holders

        elif not holder:
            self.errors.report (pathname, 'missing copyright holder')
            return (False, orig_line, next_line)

        elif holder not in self.holders:
            self.errors.report (pathname, 'unrecognised copyright holder: ' + holder)
            return (False, orig_line, next_line)

else:
    # See whether the copyright is associated with the package
    # author.
    canon_form = self.holders[holder]
    if not canon_form:
        return (False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
line = (line[:match.start (4)]
    + canon_form
    + line[match.end (4):])

    # Remove any 'by'
    line = line[:match.start (3)] + line[match.end (3):]

    # Update the copyright years.
    years = match.group (2).strip()
    try:
        canon_form = self.canonicalise_years (dir, filename, filter, years)
    except self.BadYear as e:
        self.errors.report (pathname, str (e))
        return (False, orig_line, next_line)

    line = (line[:match.start (2)]
        + ('' if intro.startswith ('copyright = ') else ' ') +
        canon_form + self.separator +
        line[match.end (2):])

    # Use the standard (C) form.
    if intro.endswith ('right'):
        intro += ' (C)
    elif intro.endswith ('(c)'):
        intro = intro[:-3] + '(C')

    line = line[:match.start (1)] + intro + line[match.end (1):]

    # Strip trailing whitespace
    line = line.rstrip() + '\n'
    return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)
        except OSError:
            pass
        return

    lines = []
    changed = False
    line_filter = filter.get_line_filter (dir, filename)
    with open (pathname, 'r') as file:
        prev = None
        for line in file:
while line:
    next_line = None
    # Leave filtered-out lines alone.
    if not (line_filter and line_filter.match(line)):
        match = self.copyright_re.search(line)
        if match:
            res = self.update_copyright(dir, filename, filter,
                                         file, line, match)
            (this_changed, line, next_line) = res
            changed = changed or this_changed

        # Check for copyright lines that might have slipped by.
        elif self.other_copyright_re.search(line):
            self.errors.report(pathname,
                               'unrecognised copyright: %s'
                               % line.strip())
            lines.append(line)
    line = next_line

    # If something changed, write the new file out.
    if changed and self.errors.ok():
        tmp_pathname = pathname + '.tmp'
        with open(tmp_pathname, 'w') as file:
            for line in lines:
                file.write(line)
        if self.use_quilt:
            subprocess.call(['quilt', 'add', pathname])
        os.rename(tmp_pathname, pathname)

def process_tree(self, tree, filter):
    for (dir, subdirs, filenames) in os.walk(tree):
        # Don't recurse through directories that should be skipped.
        for i in xrange(len(subdirs) - 1, -1, -1):
            if filter.skip_dir(dir, subdirs[i]):
                del subdirs[i]

        # Handle the files in this directory.
        for filename in filenames:
            if filter.skip_file(dir, filename):
                sys.stdout.write('Skipping %s
' % os.path.join(dir, filename))
            else:
                self.process_file(dir, filename, filter)

class CmdLine:
    def __init__(self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright(self.errors)
self.dirs = []
self.default_dirs = []
self.chosen_dirs = []
self.option_handler = dict()
self.option_help = []

self.add_option ('--help', 'Print this help', self.o_help)
self.add_option ('--quilt', '"quilt add" files before changing them',
    self.o_quilt)
self.add_option ('--this-year', 'Add the current year to every notice',
    self.o_this_year)

def add_option (self, name, help, handler):
    self.option_help.append ((name, help))
    self.option_handler[name] = handler

def add_dir (self, dir, filter = GenericFilter()):
    self.dirs.append ((dir, filter))

def o_help (self, option = None):
    sys.stdout.write ('Usage: %s [options] dir1 dir2...\n
    Options:\n    %-15s %s\n
    for (what, help) in self.option_help:
        sys.stdout.write (format % (what, help))
    sys.stdout.write ('unDirectories:\n')

    format = ' %-25s'
    i = 0
    for (dir, filter) in self.dirs:
        i += 1
        if i % 3 == 0 or i == len (self.dirs):
            sys.stdout.write (dir + '\n')
        else:
            sys.stdout.write (format % dir)
    sys.exit (0)

def o_quilt (self, option):
    self.copyright.set_use_quilt (True)

def o_this_year (self, option):
    self.copyright.include_year (time.localtime().tm_year)

def main (self):
    for arg in sys.argv[1:]:
        if arg[1:] != ':
            self.chosen_dirs.append (arg)
        elif arg in self.option_handler:

self.option_handlers[arg] (arg)
else:
    self.errors.report (None, 'unrecognised option: ' + arg)
if self.errors.ok():
    if len (self.chosen_dirs) == 0:
        self.chosen_dirs = self.default_dirs
    if len (self.chosen_dirs) == 0:
        self.o_help()
else:
    for chosen_dir in self.chosen_dirs:
        canon_dir = os.path.join (chosen_dir, '')
        count = 0
        for (dir, filter) in self.dirs:
            if (dir + os.sep).startswith (canon_dir):
                count += 1
                self.copyright.process_tree (dir, filter)
        if count == 0:
            self.errors.report (None, 'unrecognised directory: ' + chosen_dir)
        sys.exit (0 if self.errors.ok() else 1)

#----------------------------------------------------------------------

class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True

class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)
    def skip_file (self, dir, filename):
        if filename.endswith ('.m4'):
            pathname = os.path.join (dir, filename)
            with open (pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find ('gettext-') >= 0:
                    return True
            return GenericFilter.skip_file (self, dir, filename)

class GCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)
        self.skip_files |= set (['math-68881.h',])
self.skip_dirs |= set([
    # Better not create a merge nightmare for the GNAT folks.
    'ada',

    # Handled separately.
    'testsuite',
])

self.skip_extensions |= set([
    # Maintained by the translation project.
    '.po',

    # Automatically-generated.
    '.pot',
])

self.fossilised_files |= set([
    # Old news won't be updated.
    'ONEWS',
])

class TestsuiteFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set([
            # Don't change the tests, which could be woend by anyone.
            '.c',
            '.C',
            '.cc',
            '.h',
            '.hs',
            '.f',
            '.f90',
            '.go',
            '.inc',
            '.java',
        ])

    def skip_file (self, dir, filename):
        # g++.niklas/README contains historical copyright information
        # and isn't updated.
        if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
            return True
        return GenericFilter.skip_file (self, dir, filename)

class LibCppFilter (GenericFilter):

def __init__ (self):
    GenericFilter.__init__ (self)

    self.skip_extensions |= set ([
        # Maintained by the translation project.
        '.po',

        # Automatically-generated.
        '.pot',
    ])

class LibGCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ([
            # Imported from GLIBC.
            'soft-fp',
        ])

class LibJavaFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ([
            # Handled separately.
            'testsuite',

            # Not really part of the library
            'contrib',

            # Imported from upstream
            'classpath',
            'libltdl',
        ])

def get_line_filter (self, dir, filename):
    if filename == 'NameDecoder.h':
        return re.compile ('.*NAME_COPYRIGHT')
    if filename == 'ICC_Profile.h':
        return re.compile ('.*icSigCopyrightTag')
    return GenericFilter.get_line_filter (self, dir, filename)

class LibMudflapFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ([}
class LibStdCxxFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

self.skip_files |= set ([
    # Contains no copyright of its own, but quotes the GPL.
    'intro.xml',
])

self.skip_dirs |= set ([
    # Contains automatically-generated sources.
    'html',

    # The testsuite data files shouldn't be changed.
    'data',

    # Contains imported images
    'images',
])

self.own_files |= set ([
    # Contains markup around the copyright owner.
    'spine.xml',
])

def get_line_filter (self, dir, filename):
    if filename == 'boost_concept_check.h':
        return re.compile ('// \(C\) Copyright Jeremy Siek')
    return GenericFilter.get_line_filter (self, dir, filename)

class GCCCopyright (Copyright):
    def __init__ (self, errors):
        Copyright.__init__ (self, errors)

        canon_fsf = 'Free Software Foundation, Inc.'
        self.add_package_author ('Free Software Foundation', canon_fsf)
        self.add_package_author ('Free Software Foundation', canon_fsf)
        self.add_package_author ('Free Software Foundation', canon_fsf)
        self.add_package_author ('Free Software Foundation Inc', canon_fsf)
        self.add_package_author ('Free Software Foundation, Inc', canon_fsf)
        self.add_package_author ('Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author ('The Free Software Foundation', canon_fsf)
        self.add_package_author ('The Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author ('Software Foundation, Inc.', canon_fsf)
class GCCCmdLine (CmdLine):
    def __init__ (self):
        CmdLine.__init__ (self, GCCCopyright)

        self.add_dir ('.', TopLevelFilter())
        # boehm-gc is imported from upstream.
        self.add_dir ('config', ConfigFilter())
        # contrib isn't really part of GCC.
        self.add_dir ('fixincludes')
        self.add_dir ('gcc', GCCFilter())
        self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir ('gnatools')
        self.add_dir ('include')
        self.add_dir ('libada')
        self.add_dir ('libatomic')
        self.add_dir ('libbacktrace')
        self.add_dir ('libcpp', LibCppFilter())
        self.add_dir ('libgcc', LibGCCFilter())
        self.add_dir ('libgfortran')
self.add_dir('libgomp')
self.add_dir('libiberty')
self.add_dir('libitm')
self.add_dir('libjava', LibJavaFilter())
self.add_dir(os.path.join('libjava', 'testsuite'), TestsuiteFilter())
self.add_dir('libmudflap', LibMudflapFilter())
self.add_dir(os.path.join('libmudflap', 'testsuite'), TestsuiteFilter())
self.add_dir('libobjc')
self.add_dir('libquadmath')
# libsanitiser is imported from upstream.
self.add_dir('libssp')
self.add_dir('libstdc++-v3', LibStdCxxFilter())
self.add_dir('lto-plugin')
# zlib is imported from upstream.

self.default_dirs = [
    'gcc',
    'libada',
    'libatomic',
    'libbacktrace',
    'libcpp',
    'libdecelnumber',
    'libgcc',
    'libgfortran',
    'libgomp',
    'libitm',
    'libmudflap',
    'libobjc',
    'libstdc++-v3',
]

GCCCmdLine().main()

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<tr>
<td>@appendixsec</td>
<td>GNU LESSER GENERAL PUBLIC LICENSE</td>
</tr>
</tbody>
</table>

@cindex LGPL, Lesser General Public License
@center Version 2.1, February 1999

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@appendixsubsec Preamble

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@end ifinfo

@page
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@var{signature of Ty Coon}, 1 April 1990
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/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using underscores, we are using prefix `.s to identify labels that should be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line
that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE, SIZE)
    fprintf (FILE, "\t.space HOST_WIDE_INT_PRINT UNSIGNED\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line
   to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED)
    ( fputs (".comm \", (FILE)),
        assemble_name ((FILE), (NAME)),
        fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line
   to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED)
    ( fputs (".lcomm \", (FILE)),
        assemble_name ((FILE), (NAME)),
        fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)
    ( fputs (".lcomm \", (FILE)),
        assemble_name ((FILE), (NAME)),
        fprintf ((FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line
   that says to advance the location counter
to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE, LOG)
    if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF
the symbol_ref name of an internal numbered label where PREFIX is the class of label and NUM is the number within the class. This is suitable for output with 'assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)    
    sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */
#define USER_LABEL_PREFIX "_"

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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```cpp
// DO NOT EDIT THIS FILE - it is machine generated -*- c++ -*-

#ifndef __java_security_acl_Permission__
#define __java_security_acl_Permission__

#pragma interface

#include <java/lang/Object.h>

extern "Java"
{
namespace java
{
namespace security
{
namespace acl
{
class Permission;
}
}
}

class java::security::acl::Permission : public ::java::lang::Object
{

public:
    virtual jboolean equals(::java::lang::Object *) = 0;

```
virtual ::java::lang::String * toString() = 0;
static ::java::lang::Class class$;
} __attribute__ ((java_interface));

#endif // __java_security_acl_Permission__

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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:
More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood. Robert Brazile (brazil@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Petersen(jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(age@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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obligated to do so. If you do not wish to do so, delete this
exception statement from your version. */

package java.security.acl;

/**
 * This interface provides information about a permission that can be
 * granted. Note that this is not the same as the class
 * java.security.Permission.
 *
 * @version 0.0
 *
 * @author Aaron M. Renn (arenn@urbanophile.com)
 */
public interface Permission
{
 /**
 * This method tests whether or not a specified Permission (passed as an
 * Object) is the same as this permission.
 *
 * @param perm The permission to check for equality
 *
* @return <code>true</code> if the specified permission is the same as this one, <code>false</code> otherwise
*/
boolean equals (Object perm);

/**
 * This method returns this <code>Permission</code> as a <code>String</code>.
 *
 * @return A <code>String</code> representing this permission.
 */
String toString();
}

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\" Automatically generated by Pod::Man 2.16 (Pod::Simple 3.05)

\" Standard preamble:

\"=======================================================================

.de Sh \" Subsection heading
.br
.if t .Sp
.ne 5
.PP
\$B\$I\$R
.PP
...
.de Sp \" Vertical space (when we can't use .PP)
.if t .sp .5v
.if n .sp
...
.de Vb \" Begin verbatim text
.ft CW
.nf
.ne \$I
...
.de Ve \" End verbatim text
.ft R
.fi
...
\" Set up some character translations and predefined strings. \^(-- will
\" give an unbreakable dash, \*(PI will give pi, \*(L" will give a left
\" double quote, and \*(R" will give a right double quote. \*(C+ will
\" give a nicer C++. Capital omega is used to do unbreakable dashes and
\" therefore won't be available. \*(C< and \*(C> expand to `' in nroff,
\" nothing in troff, for use with C<>.
.tr \(*W-.
.ds C+ C\^v\^'-1v\^h\^'-1p\^u\^v\^s\^2p\^v\^\v'\^0v\^1v\^h\^'-1p\'
.ie n \{
  . ds -- \(*W-.
  . ds PI pi
  . if \(n(H=4u)&(1m=24u) . ds -- \(*W\^h\^'-12u\^\v'\^W\^l\^'-12u\^\v'\^\v'
    . ds -- \(*W\^h\^'-12u\^\v'\^W\^l\^'-12u\^\v'\^\v'
    . ds L\^' \"
  . ds R\^" \"
  . ds C\^" \"
  . ds C\^" \"
'br\}
.el\{
  . ds -- \{|(em|]
  . ds PI \(*p
  . ds L\^' \"
Escape single quotes in literal strings from groff's Unicode transform.

If the F register is turned on, we'll generate index entries on stderr for
titles (.TH), headers (.SH), subsections (.Sh), items (.Ip), and index
entries marked with X<> in POD. Of course, you'll have to process the
output yourself in some meaningful fashion.

Accent mark definitions (@(#)ms.acc 1.5 88/02/08 SMI; from UCB 4.2).
Fear. Run. Save yourself. No user-serviceable parts.

fudge factors for nroff and troff

if n
  . ds #H 0
  . ds #V .8m
  . ds #F .3m
  . ds #[ \f1
  . ds #] \fP
else
  . ds #H ((1u-(\\n(fu%2u))*.13m)
  . ds #V .6m
  . ds #F 0
  . ds #[ \&
  . ds #] \&
else
  . simple accents for nroff and troff
  . if n
    . ds ` \&
    . ds ` \&
    . ds ` \&
    . ds ` \&
    . ds ~ ~
    . ds /
IX Title "GPL 7"
.TH GPL 7 "2016-06-03" "gcc-5.4.0" "GNU"

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way too many mistakes in technical documents.

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gpl - GNU General Public License

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PP

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PP

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Sh "`s-1TERMS\s0 `s-1AND\s0 `s-1CONDITIONS\s0"

IX Subsection "TERMS AND CONDITIONS"

IP "0. Definitions." 4

IX Item "0. Definitions."

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RE

RS 4
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.IP "16. Limitation of Liability.” 4
.IX Item “16. Limitation of Liability.”
\&vs-1IN\ls0 vs-1NO\ls0 vs-1EVENT\ls0 vs-1UNLESS\ls0 vs-1REQUIRED\ls0 vs-1BY\ls0 vs-1APPLICABLE\ls0 vs-1LAW\ls0 vs-1OR\ls0 vs-1AGREED\ls0 vs-1TO\ls0 vs-1IN\ls0 vs-1WRITING\ls0
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#ifndef __gnu_javax_sound_AudioSecurityManager$Permission__
#define __gnu_javax_sound_AudioSecurityManager$Permission__

#pragma interface

#include <java/lang/Enum.h>
#include <gcj/array.h>

extern "Java"
{
    namespace gnu
    {
        namespace javax
        {
            namespace sound
            {
                class AudioSecurityManager$Permission;
            }
        }
    }

    class gnu::javax::sound::AudioSecurityManager$Permission : public ::java::lang::Enum
    {
        AudioSecurityManager$Permission(::java::lang::String *, jint);

        public:
            static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * values();
            static ::gnu::javax::sound::AudioSecurityManager$Permission * valueOf(::java::lang::String *);
            static ::gnu::javax::sound::AudioSecurityManager$Permission * PLAY;
            static ::gnu::javax::sound::AudioSecurityManager$Permission * RECORD;
            static ::gnu::javax::sound::AudioSecurityManager$Permission * ALL;

        private:
            static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * ENUMSVALUES;

        public:
            static ::java::lang::Class class$;
    };
}
1.3483 helmet-csp 1.2.2

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1.3484 joda-time-joda-time 2.8.1

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1.3486 jaxb-api 2.3.1

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$ !
$ !Author: Tom Wyant <Thomas.R.Wyant-III@usa.dupont.com>
$ !
$ !This DCL command procedure executes the vimtutor command
$ !surprise, surprise!) which gives you a brief tutorial on the
$ !VIM editor. Languages other than the default are supported in
$ !the usual way, as are at least some of the command qualifiers,
$ !though you'll need to play some fairly serious games with DCL
$ !to specify ones that need quoting.
$ !
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$ !the vim 6.1 ":help license" command or (at your option) the
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$ !MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
$ !
$ !===================================================================== $ !
$ !
$ !Check for the existence of VIM, and die if it isn't there.
$ !
$ !if f$search ("vim:vim.exe") .eqs. ""
$ then
$ write sys$error "Error - Can't run tutorial. VIM not found."
$ exit
$endif
```

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$ !
$ !
$ !Pick up the argument, if any.
$ !
inx = 0
$ arg_loop:
inx = inx + 1
if f$type (p'inx') .nes. ""
then
  if p'inx'.nes. "" .and. f$locate ("-", p'inx') .ne. 0
  then
    xx = p'inx'
sassign/nolog ""xx"" xx
    p'inx' = ""
  endif
  goto arg_loop
endif
$ !
$ !
$ !Make sure we clean up our toys when we're through playing.
$ !
on error then goto exit
$ !
$ !
$ !Create the VIM foreign command if needed
$ !
if f$type (vim) .eqs. "" then vim := $vim:vim
$ !
$ !
$ !Build the name for our temp file.
$ !
tutfil = "sys$login:vimtutor_" + - f$edit (f$getjpi (0, "pid"), "trim") + ","
sassign/nolog 'tutfil' TUTORCOPY
$ !
$ !
$ !Copy the selected file to the temp file
$ !
sassign/nolog/user nla0: sys$error
sassign/nolog/user nla0: sys$output
$vim -u "NONE" -c "so $VIMRUNTIME/tutor/tutor.vim"
$ !
$ !
$ !Run the tutorial
$ !
sassign/nolog/user sys$command sys$input
$vim -u "NONE" -c "set nocp" 'p1' 'p2' 'p3' 'p4' 'p5' 'p6' 'p7' 'p8' 'tutfil'
$ !
$ !Ditch the copy.
$ !
$ exit:
  $if $stype (tutfil).nes. "" .and. $search (tutfil).nes. "" then -
  $ delete 'tutfil';*
  $if $stype (xx).nes. "" then deassign xx
  $deassign TUTORCOPY
  $exit
$ !
$ !===================================================================== $!
$ !Modification history
$ !
$ !29-Aug-2002 T. R. Wyant
$ !Changed license to vim.
$ !Fix error "input is not from a terminal"
$ !Juggle documentation (copyright and contact to front,
$ !modification history to end).
$ !25-Jul-2002 T. R. Wyant
$ !Initial version

1.3489 bc 1.07.1 2

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1.3490 snmp 5.7.3+dfsg-1ubuntu4.4

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1.3491 libkcrypto 1.17-3

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lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kproplg.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
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
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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options {
    language=Java;
    tokenVocab=STLexer;
    TokenLabelType=CommonToken;
    output=AST;
    ASTLabelType=CommonTree;
}

tokens {
    EXPR; OPTIONS; PROP; PROP_IND; INCLUDE; INCLUDE_IND; EXEC_FUNC; INCLUDE_SUPER;
    INCLUDE_SUPER_REGION; INCLUDE_REGION; TO_STR; LIST; MAP; ZIP; SUBTEMPLATE; ARGs;
    ELEMENTS; REGION; NULL; INDENTED_EXPR;
}

$header {
    package org.stringtemplate.v4.compiler;
    import org.stringtemplate.v4.misc.ErrorManager;
    import org.stringtemplate.v4.misc.ErrorType;
}

@members {
    ErrorManager errMgr;
    Token templateToken;
    public STParser(TokenStream input, ErrorManager errMgr, Token templateToken) {
        this(input);
        this.errMgr = errMgr;
        this.templateToken = templateToken;
    }
    @Override
    protected Object recoverFromMismatchedToken(IntStream input, int ttype, BitSet follow)
    throws RecognitionException
    {
        throw new MismatchedTokenException(ttype, input);
    }
}

@rulecatch {
    catch (RecognitionException re) { throw re; }
}

templateAndEOF : template EOF -> template? ;

template : element* ;

element :
    {input.LT(1).getCharPositionInLine()==0}? INDENT? COMMENT NEWLINE -> // throw away
    |INDENT singleElement -> ^(INDENTED_EXPR INDENT singleElement?) // singleElement is optional to handle
    error returning nil
    |singleElement
    |compoundElement
    ;

singleElement :
    exprTag
    |TEXT
    |NEWLINE
    |COMMENT! // throw away
    ;

compoundElement :
    ifstat
    |region
    ;

exprTag :
    LDELIM expr ( ';' exprOptions )? RDELIM
    -> ^(EXPR[$LDELIM,EXPR"EXPR"] expr exprOptions?)
region
@init {Token indent=null;}
:=INDENT? x=LDELM '@' ID RDELM {if (input.LA(1)!=NEWLINE) indent=$i;}

template
INDENT? LDELM '@end' RDELM
// kill \n for <@end> on line by itself if multi-line embedded region
({$region.start.getLine()!=input.LT(1).getLine())?=> NEWLINE)?
-> {indent!=null}?^(INDENTED_EXPR $i ^(REGION[$x] ID template?)})
-> ^(REGION[$x] ID template?)

subtemplate
:lc='{ (ids+= ID ( ',' ids+= ID )* | )? template INDENT? '}'
// ignore final INDENT before } as it's not part of outer indent
-> ^(SUBTEMPLATE[lc,"SUBTEMPLATE"] ^(ARGS $ids)* template?)

ifstat
@init {Token indent=null;}
:=INDENT? LDELM 'if' '(' c1=conditional ')' RDELM {if (input.LA(1)!=NEWLINE) indent=$i;}
t1=template
( INDENT? LDELM 'elseif' '(' c2+=conditional ')' RDELM t2+=template )*
( INDENT? LDELM 'else' RDELM t3=template )?
INDENT? endif= LDELM 'endif'

RDELM
// kill \n for <endif> on line by itself if multi-line IF
({$ifstat.start.getLine()!=input.LT(1).getLine())?=> NEWLINE)?
-> {indent!=null}?^(INDENTED_EXPR $i ^(if $c1 $t1? ^(elseif $c2 $t2)* ^(else $t3?)?))
-> ^(if $c1 $t1? ^(elseif $c2 $t2)* ^(else $t3?)?)

conditional
scope {
boolean inside;
}
: andConditional ( ||^ andConditional )*
;

andConditional : notConditional ( '&&'^ notConditional )* :

notConditional
:!'^ notConditional

|memberExpr
|
notConditionalExpr
:(ID->ID)
(p=.' prop=ID-> ^(PROP[$p,"PROP"] $notConditionalExpr $prop)
|p=.' (' mapExpr ')']-> ^(PROP_IND[$p,"PROP_IND"] $notConditionalExpr mapExpr)
)*
;

eprOptions : option ( ',' option )* -> ^(OPTIONS option*) ;

option
@init {
String id = input.LT(1).getText();
String defVal = Compiler.defaultOptionValues.get(id);
boolean validOption = Compiler.supportedOptions.get(id)!=null;
}
:ID
{
if ( !validOption ) {
    errMgr.compileTimeError(ErrorType.NO_SUCH_OPTION, templateToken, $ID, $ID.text);
}
}
('= exprNoComma -> {validOption}? ^= ID exprNoComma)
->
|
{
if ( defVal==null ) {
    errMgr.compileTimeError(ErrorType.NO_DEFAULT_VALUE, templateToken, $ID);
}
}
-> {validOption&&defVal!=null]?
    ^(EQUALS["="] ID STRING[$ID,'"'+defVal+'"'])
->
)
;

exprNoComma
:memberExpr
( '.' mapTemplateRef-> ^(MAP memberExpr mapTemplateRef)
|-> memberExpr
)
;

expr : mapExpr ;

// more complicated than necessary to avoid backtracking, which ruins
// error handling
mapExpr
:memberExpr
(\(\text{argExprList? '}'\)) \rightarrow ^{(\text{INCLUDE\_IND}\{lp\} \text{expr}\ \text{argExprList?})}\\|\rightarrow ^{(\text{TO\_STR}\{lp\} \text{expr})}\\)\\)

\[\text{args:argExprList}\\|\text{namedArg (',' \text{namedArg})* (',' '...')? \rightarrow \text{namedArg+ '...'}?}\\|\text{'}...\text{'}}\\|\)

\[\text{argExprList : arg (',' arg)* \rightarrow arg+ ;}\\\]

\[\text{arg : exprNoComma ;}\\\]

\[\text{namedArg : ID '=' arg \rightarrow ^{('=' ID arg)} ;}\\\]

\[\text{list:{input.LA(2)==RBRACK}? // hush warning: [] special case}\\|\text{lb='[' '}\rightarrow \text{LIST}\{lb\}\\|\text{lb='[' listElement ( ',' listElement )* ']' \rightarrow ^{(\text{LIST}\{lb\} listElement*)}}\\)\\)

\[\text{listElement : exprNoComma | \rightarrow NULL ;}\\\]

Found in path(s):
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-jar/arg/stringtemplate/v4/compiler/STParser.g

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*/

tree grammar CodeGenerator;

options {
language=Java;
tokenVocab=STParser;
ASTLabelType=CommonTree;
}

@header {
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*/

package org.stringtemplate.v4.compiler;
import org.stringtemplate.v4.misc.*;
import org.stringtemplate.v4.*;
@members {
String outermostTemplateName; // name of overall template
CompiledST outermostImpl;
Token templateToken; // overall template token
String template; // overall template text
ErrorManager errMgr;
public CodeGenerator(TreeNodeStream input, ErrorManager errMgr, String name, String template, Token templateToken) {
    this(input, new RecognizerSharedState());
    this.errMgr = errMgr;
    this.outermostTemplateName = name;
    this.template = template;
    this.templateToken = templateToken;
}

// Convience funcs to hide offensive sending of emit messages to
// CompilationState temp data object.
public void emit1(CommonTree opAST, short opcode, int arg) {
    $template::state.emit1(opAST, opcode, arg);
}
public void emit1(CommonTree opAST, short opcode, String arg) {
    $template::state.emit1(opAST, opcode, arg);
}
public void emit2(CommonTree opAST, short opcode, int arg, int arg2) {
    $template::state.emit2(opAST, opcode, arg, arg2);
}
public void emit2(CommonTree opAST, short opcode, String s, int arg2) {
    $template::state.emit2(opAST, opcode, s, arg2);
}
public void emit(CommonTree opAST, short opcode) {
    $template::state.emit(opAST, opcode);
}
public void insert(int addr, short opcode, String s) {
    $template::state.insert(addr, opcode, s);
}
public void setOption(CommonTree id) {
    $template::state.setOption(id);
}
public void write(int addr, short value) {
    $template::state.write(addr, value);
}
public int address() { return $template::state.ip; }
public void func(CommonTree id) {
    $template::state.func(templateToken, id);
}
public void refAttr(CommonTree id) {
    $template::state.refAttr(templateToken, id);
}
public int defineString(String s) {
    return $template::state.defineString(s);
}
templateAndEOF : template[null,null] EOF; // hush warning; ignore

template[String name, List<FormalArgument> args] returns [CompiledST impl]
scope {
   CompilationState state; // automatically get a new state pointer per invocation
}
@init {
$template::state = new CompilationState(errMgr, name, input.getTokenStream());
$impl = $template::state.impl;
if ( $template.size() == 1 ) outermostImpl = $impl;
$template::defineFormalArgs($args); // make sure args are defined prior to compilation
if ( name!=null && name.startsWith(Compiler.SUBTEMPLATE_PREFIX) ) {
   $impl.addArg(new FormalArgument("i"));
   $impl.addArg(new FormalArgument("i0"));
}
$impl.template = template; // always forget the entire template; char indexes are relative to it
}
:chunk
{ // finish off the CompiledST result
   if ( $template::state.stringtable!=null ) $impl.strings = $template::state.stringtable.toArray();
   $impl.codeSize = $template::state.ip;
}
::
element*
;

element
:^<INDENTED_EXPR INDENT compoundElement<$INDENT]> // ignore indent in front of IF and region blocks
   [compoundElement[null]
   ]^<INDENTED_EXPR INDENT {$template::state.indent($INDENT);} singleElement
   {$template::state.emit(Bytecode.INSTR_DEDENT);}
]singleElement
;

singleElement
:exprElement
|TEXT
{ if ( $TEXT.text.length()>0 ) {
    emit1($TEXT,Bytecode.INSTR_WRITE_STR, $TEXT.text);
}
}

|NEWLINE {emit(SNEWLINE, Bytecode.INSTR_NEWLINE);}
compoundElement[CommonTree indent]
	:ifstat[indent]
	|region[indent]

exprElement
@init { short op = Bytecode.INSTR_WRITE; }
:^ ( EXPR expr (exprOptions {op=Bytecode.INSTR_WRITE_OPT;})? )
{
/*
CompilationState state = $template::state;
CompiledST impl = state.impl;
if ( impl.instrs[state.ip-1] == Bytecode.INSTR_LOAD_LOCAL ) {
impl.instrs[state.ip-1] = Bytecode.INSTR_WRITE_LOCAL;
}
else {
emit($EXPR, op);
}
*/
emit($EXPR, op);
}

region[CommonTree indent] returns [String name]
@init {
if ( indent!=null ) $template::state.indent(indent);
}
@after {
if ( indent!=null ) $template::state.emit(Bytecode.INSTR_DEDENT);
}
:^ (REGION ID
{$name = STGroup.getMangledRegionName(outermostTemplateName, $ID.text);}
template[$name,null]
{
CompiledST sub = $template.impl;
sub.isRegion = true;
sub.regionDefType = ST.RegionType.EMBEDDED;
sub.templateDefStartToken = $ID.token;
//sub.dump();
outermostImpl.addImplicitlyDefinedTemplate(sub);
emit2($start, Bytecode.INSTR_NEW, $region.name, 0);
emit($start, Bytecode.INSTR_WRITE);
}
)
subtemplate returns [String name, int nargs]
@init {
    $name = Compiler.getNewSubtemplateName();
    List<FormalArgument> args = new ArrayList<FormalArgument>();
}
:^{\ SUBTEMPLATE
(^{ARGS (ID {args.add(new FormalArgument($ID.text));})+})*
{$nargs = args.size();}
template[$name,args]
{
    CompiledST sub = $template.impl;
    sub.isAnonSubtemplate = true;
    sub.templateDefStartToken = $SUBTEMPLATE.token;
    sub.ast = $SUBTEMPLATE;
    sub.ast.setUnknownTokenBoundaries();
    sub.tokens = input.getTokenStream();
    //sub.dump();
    outermostImpl.addImplicitlyDefinedTemplate(sub);
} }\)

|SUBTEMPLATE // {} |
{| CompiledST sub = new CompiledST();
sub.name = $name;
sub.template = "";
sub.addArg(new FormalArgument("i"));
sub.addArg(new FormalArgument("i0"));
sub.isAnonSubtemplate = true;
sub.templateDefStartToken = $SUBTEMPLATE.token;
sub.ast = $SUBTEMPLATE;
sub.ast.setUnknownTokenBoundaries();
sub.tokens = input.getTokenStream();
//sub.dump();
outermostImpl.addImplicitlyDefinedTemplate(sub);
|
ifstat[CommonTree indent]
@init {
/** Tracks address of branch operand (in code block). It's how
* we backpatch forward references when generating code for IFs.
*/
int prevBranchOperand = -1;
/** Branch instruction operands that are forward refs to end of IF.
* We need to update them once we see the endif.
*/
List<Integer> endRefs = new ArrayList<Integer>();
if ( indent!=null ) $template::state.indent(indent);
}  
@after {
if ( indent!=null ) $template::state.emit(Bytecode.INSTR_DEDENT);
}
:^((i='if' conditional
{
    prevBranchOperand = address()+1;
    emit1($i,Bytecode.INSTR_BRF, -1); // write placeholder as branch target
}
chunk
(^((eif='elseif'
{
    endRefs.add(address()+1);
    emit1($eif,Bytecode.INSTR_BR, -1); // br end
    // update previous branch instruction
    write(prevBranchOperand, (short)address());
    prevBranchOperand = -1;
}
ec=conditional
{
    prevBranchOperand = address()+1;
    // write placeholder as branch target
    emit1($ec.start, Bytecode.INSTR_BRF, -1);
}
chunk
)
)*
(^((el='else'
{
    endRefs.add(address()+1);
    emit1($el, Bytecode.INSTR_BR, -1); // br end
    // update previous branch instruction
    write(prevBranchOperand, (short)address());
    prevBranchOperand = -1;
}
chunk
)
)?
)
{
if ( prevBranchOperand>=0 ) {
write(prevBranchOperand, (short)address());
}
for (int opnd : endRefs) write(opnd, (short)address());
}
conditional
exprOptions : {emit($start, Bytecode.INSTR_OPTIONS);} ^(OPTIONS option*) ;

option : ^('= ID expr) {setOption($ID);} ;

eexpr
@init {int nt = 0, ne = 0;}
:^ZIP ^ELEMENTS (expr {ne++;})+ mapTemplateRef[ne])
{emit1($ZIP, Bytecode.INSTR_ZIP_MAP, ne);} ^MAP expr (mapTemplateRef[1] {nt++;})+
{if ( nt>1 ) emit1($MAP, nt>1?Bytecode.INSTR_ROT_MAP:Bytecode.INSTR_MAP, nt); else emit($MAP, Bytecode.INSTR_MAP);
} 
|prop
|includeExpr
;

prop:^PROP expr ID				{emit1($PROP, Bytecode.INSTR_LOAD_PROP, $ID.text);} 
|^PROP_IND expr expr)				{emit($PROP_IND, Bytecode.INSTR_LOAD_PROP_IND);} ;

mapTemplateRef[int num_exprs]
:^INCLUDE ID
{for (int i=1; i<=$num_exprs; i++) emit($INCLUDE,Bytecode.INSTR_NULL);} 
|args
} 
{if ( $args.passThru ) emit1($start, Bytecode.INSTR_PASSTHRU, $ID.text); if ( $args.namedArgs ) emit1($INCLUDE, Bytecode.INSTR_NEW_BOX_ARGS, $ID.text); else emit2($INCLUDE, Bytecode.INSTR_NEW, $ID.text, $args.n+$num_exprs); 
} 
|subtemplate
{if ( $subtemplate.nargs != $num_exprs ) {
errMgr.compileTimeError(ErrorType.ANON_ARGUMENT_MISMATCH, templateToken, $subtemplate.start.token, $subtemplate.nargs, $num_exprs);
} 
for (int i=1; i<=$num_exprs; i++) emit($subtemplate.start,Bytecode.INSTR_NULL); emit2($subtemplate.start, Bytecode.INSTR_NEW, $subtemplate.name, 
$num_exprs); 
}
\^\{INCLUDE\_IND expr
{
emit($\text{INCLUDE\_IND}, \text{Bytecode.INSTR\_TOSTR});
for (int i=1; i<=$\text{num}\_\text{exprs}; i++) emit($\text{INCLUDE\_IND}, \text{Bytecode.INSTR\_NULL});
}
args
{
emit1($\text{INCLUDE\_IND}, \text{Bytecode.INSTR\_NEW\_IND}, $\text{args}\_n+$\text{num}\_\text{exprs});
}
)
;

\text{includeExpr}
\:^{\text{EXEC\_FUNC} ID expr?}\{ \text{func}($\text{ID}); \}
\^\{\text{INCLUDE ID} args\}
{
if ( $\text{args}\_\text{passThru} ) emit1($\text{start}, \text{Bytecode.INSTR\_PASSTHRU}, $\text{ID}\_\text{text});
if ( $\text{args}\_\text{namedArgs} ) emit1($\text{INCLUDE}, \text{Bytecode.INSTR\_NEW\_BOX\_ARGS}, $\text{ID}\_\text{text});
else emit2($\text{INCLUDE}, \text{Bytecode.INSTR\_NEW}, $\text{ID}\_\text{text}, $\text{args}\_n);
}
\^\{\text{INCLUDE\_SUPER ID} args\}
{
if ( $\text{args}\_\text{passThru} ) emit1($\text{start}, \text{Bytecode.INSTR\_PASSTHRU}, $\text{ID}\_\text{text});
if ( $\text{args}\_\text{namedArgs} ) emit1($\text{INCLUDE\_SUPER}, \text{Bytecode.INSTR\_SUPER\_NEW\_BOX\_ARGS}, $\text{ID}\_\text{text});
else emit2($\text{INCLUDE\_SUPER}, \text{Bytecode.INSTR\_SUPER\_NEW}, $\text{ID}\_\text{text}, $\text{args}\_n);
}
\^\{\text{INCLUDE\_REGION ID}\}
\text{CompiledST} \text{impl} =
\text{Compiler}\_\text{defineBlankRegion}(\text{outermostImpl}, $\text{ID}\_\text{token});
//impl.dump();
emit2($\text{INCLUDE\_REGION}, \text{Bytecode.INSTR\_NEW}, \text{impl}\_\text{name}, 0);
}
\^\{\text{INCLUDE\_SUPER\_REGION ID}\}
{
\text{String} \text{mangled} =
\text{STGroup}\_\text{getMangledRegionName}($\text{outermostImpl}, $\text{ID}\_\text{token});
emit2($\text{INCLUDE\_SUPER\_REGION}, \text{Bytecode.INSTR\_SUPER\_NEW}, \text{mangled}, 0);
}
\text{primary}
:
ID\{ \text{refAttr}($\text{ID}); \}
\text{STRING}\{ \text{emit}1($\text{$STRING}\_\text{Bytecode.INSTR\_LOAD\_STR}, \text{Misc}\_\text{strip}($\text{$STRING}\_\text{token}, 1)); \}
\text{TRUE}\{ \text{emit}($\text{TRUE}, \text{Bytecode.INSTR\_TRUE}); \}
\text{FALSE}\{ \text{emit}($\text{FALSE}, \text{Bytecode.INSTR\_FALSE}); \}
\text{subtemplate}// push a subtemplate but ignore args since we can't pass any to it here
{ \text{emit}2($\text{start}, \text{Bytecode.INSTR\_NEW}, $\text{$subtemplate}\_\text{name}, 0); \}
|list
|^INCLUDE_IND
expr {emit($INCLUDE_IND, Bytecode.INSTR_TOSTR);}
args {emit1($INCLUDE_IND, Bytecode.INSTR_NEW_IND, $args.n);}
|^TO_STR expr){emit($TO_STR, Bytecode.INSTR_TOSTR);}

arg : expr ;

args returns [int n=0, boolean namedArgs=false, boolean passThru]
: ( arg {$n++;} )+ 
|^eq='=' ID expr
{$n++; emit1($eq, Bytecode.INSTR_STORE_ARG, defineString($ID.text));}
)+ 
|'...' {$passThru=true;}

list:{emit($start, Bytecode.INSTR_LIST);} 
|^LIST (listElement {emit($listElement.start, Bytecode.INSTR_ADD);})* ) 

listElement : expr | NULL {emit($NULL,Bytecode.INSTR_NULL);} ;

Found in path(s):
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/compiler/CodeGenerator.g

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*/

grammar Group;

options {
language=Java;
}

tokens {
TRUE='true'; FALSE='false'; LBRACK='['; RBRACK='];
}

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package org.stringtemplate.v4.compiler;

import java.util.Collections;
import java.util.Map;
import java.util.HashMap;
import java.util.List;
import java.util.ArrayList;
import org.stringtemplate.v4.misc.*;
import org.stringtemplate.v4.*;
import java.io.File;
}

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 */
package org.stringtemplate.v4.compiler;
import org.stringtemplate.v4.*;
import org.stringtemplate.v4.misc.*;
import java.io.File;
}

@members {
public STGroup group;
@Override
public void displayRecognitionError(String[] tokenNames,
RecognitionException e)
{
String msg = getErrorMessage(e, tokenNames);
group.errMgr.groupSyntaxError(ErrorType.SYNTAX_ERROR, getSourceName(), e, msg);
}
@Override
public String getSourceName() {
String fullFileName = super.getSourceName();
File f = new File(fullFileName); // strip to simple name
return f.getName();
}
public void error(String msg) {
NoViableAltException e = new NoViableAltException("", 0, 0, input);
group.errMgr.groupSyntaxError(ErrorType.SYNTAX_ERROR, getSourceName(), e, msg);
recover(input, null);
}
}
@lexer::members {
public STGroup group;
@Override
public void reportError(RecognitionException e) {
String msg = null;
if ( e instanceof NoViableAltException ) {
msg = "invalid character '"+(char)input.LA(1)+"'";
}
else if ( e instanceof MismatchedTokenException && ((MismatchedTokenException)e).expecting=='"' ) {
msg = "unterminated string";
}
else {
msg = getErrorMessage(e, getTokenNames());
}
group.errMgr.groupSyntaxError(ErrorType.SYNTAX_ERROR, getSourceName(), e, msg);
}
@Override
public String getSourceName() {
String fullFileName = super.getSourceName();
File f = new File(fullFileName); // strip to simple name
return f.getName();
}
}
group[STGroup group, String prefix]

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@init {
 GroupLexer lexer = (GroupLexer)input.getTokenSource();
 this.group = lexer.group = $group;
}
:oldStyleHeader?
delimiters?
    ('import' STRING {group.importTemplates($STRING);}
    | 'import' // common error: name not in string
    | MismatchedTokenException e = new MismatchedTokenException(STRING, input);
    reportError(e);
    )
ID ('.' ID)* // might be a.b.c.d
)*
def[prefix]*
EOF
;

oldStyleHeader // ignore but lets us use this parser in AW for both v3 and v4
    : 'group' ID ('?' ID )?
    ('implements' ID ('?' ID)* )?
    ;

groupName returns [String name]
@init {StringBuilder buf = new StringBuilder();}
:a=ID {buf.append($a.text);} ('.' a=ID {buf.append($a.text);})*
;
delimiters
    :delimiters' a=STRING '.', b=STRING
    {
    group.delimiterStartChar=$a.getText().charAt(1);
    group.delimiterStopChar=$b.getText().charAt(1);
    }
    ;

/** Match template and dictionary defs outside of (...)+ loop in group.
 * The key is catching while still in the loop; must keep prediction of
 * elements separate from "stay in loop" prediction.
 */
def[String prefix] : templateDef[prefix] | dictDef ;
catch[RecognitionException re] {
    // pretend we already saw an error here
    state.lastErrorIndex = input.index();
    error("garbled template definition starting at "+input.LT(1).getText()+""’");
    }
templateDef[String prefix]
@init {
    String template=null;
    int n=0; // num char to strip from left, right of template def
}
:('{@' enclosing=ID '.' name=ID '}')
|name=ID (' formalArgs ')'
)
    ::='
    {Token templateToken = input.LT(1);}
    (STRING    {template=$STRING.text; n=1;}
    |BIGSTRING  {template=$BIGSTRING.text; n=2;}
    |BIGSTRING_NO_NL  {template=$BIGSTRING_NO_NL.text; n=2;}
    )
    |
    template = "";
    String msg = "missing template at "+input.LT(1).getText()+"";
    NoViableAltException e = new NoViableAltException("", 0, 0, input);
    group.errMgr.groupSyntaxError(ErrorType.SYNTAX_ERROR, getSourceName(), e, msg);
    }
    }
    |
    if ( $name.index >= 0 ) { // if ID missing
    template = Misc.strip(template, n);
    String templateName = $name.text;
    if ( prefix.length()>0 ) templateName = prefix+$name.text;
    String enclosingTemplateName = $enclosing.text;
    if (enclosingTemplateName != null && enclosingTemplateName.length()>0 && prefix.length()>0) {
        enclosingTemplateName = prefix + enclosingTemplateName;
    }
    group.defineTemplateOrRegion(templateName, enclosingTemplateName, templateToken,
        template, $name, $formalArgs.args);
    }
    }
    | alias=ID '::=' target=ID  {group.defineTemplateAlias($alias, $target);}
;
formalArgs returns[List<FormalArgument> args = new ArrayList<FormalArgument>()]
scope {
    boolean hasOptionalParameter;
}
@init { $formalArgs::hasOptionalParameter = false; }
:formalArg[$args] (',' formalArg[$args])* 
|
;
formalArg[List<FormalArgument> args]
:ID ('=' $a=(STRING|ANONYMOUS_TEMPLATE|true|false) $formalArgs::hasOptionalParameter = true;)
if ($formalArgs::hasOptionalParameter) {
    group.errMgr.compileTimeError(ErrorType.REQUIRED_PARAMETER_AFTER_OPTIONAL,
        null, $ID);
} else {
    $args.add(new FormalArgument($ID.text, $a));
}

suffix returns [int cardinality=FormalArgument.REQUIRED]
    : OPTIONAL
    | STAR
    | PLUS
    |
    : */

dictDef
:ID '::=' dict
    {
        if ( group.rawGetDictionary($ID.text)!null ) {
            group.errMgr.compileTimeError(ErrorType.MAP_REDEFINITION, null, $ID);
        } else if ( group.rawGetTemplate($ID.text)!null ) {
            group.errMgr.compileTimeError(ErrorType.TEMPLATE_REDEFINITION_AS_MAP, null, $ID);
        } else {
            group.defineDictionary($ID.text, $dict.mapping);
        }
    }

dict returns [Map<String, Object> mapping]
@init {mapping=new HashMap<String, Object>();}
: '[' dictPairs[mapping] ']'
defaultValuePair[Map<String, Object> mapping]
  :default' ':' keyValue { mapping.put(STGroup.DEFAULT_KEY, $keyValue.value); }
  
keyValuePair[Map<String, Object> mapping]
  :STRING ':' keyValue { mapping.put(Misc.replaceEscapes(Misc.strip($STRING.text, 1)), $keyValue.value); }
  
keyValue returns [Object value]
  :BIGSTRING{$value = group.createSingleton($BIGSTRING);}
  [BIGSTRING_NO_NL{$value = group.createSingleton($BIGSTRING_NO_NL);}]
  [ANONYMOUS_TEMPLATE{$value = group.createSingleton($ANONYMOUS_TEMPLATE);}]
  [STRING{$value = Misc.replaceEscapes(Misc.strip($STRING.text, 1));}]
  [TRUE{$value = true;]}
  [FALSE{$value = false;]
  ['] {'$value = Collections.emptyList();]
  [(input.LT(1).getText().equals("key"))?=> ID
    {$value = STGroup.DICT_KEY;]}
  ;
  catch[RecognitionException re] {
    error("missing value for key at "+input.LT(1).getText()+"";)
  }

ID:('a'..'z'|'A'..'Z'|') ('a'..'z'|'A'..'Z'|0'..'9'|'-'|'_')*
  ;

STRING :
  """"
  [\" ~""
  |
  String msg = "\n in string";
  NoViableAltException e = new NoViableAltException("", 0, 0, input);
  group.errMgr.groupLexerError(ErrorType.SYNTAX_ERROR, getSourceName(), e, msg);
  }
  \n\n|-(\n"\"|\n"
)*
  ;
  String txt = getText().replaceAll("\\\n", "\n");
  setText(txt);
  }
  ;

BIGSTRING_NO_NL // same as BIGSTRING but means ignore newlines later
  \<% "\"* "\""
// %\> is the escape to avoid end of string
{
    String txt = getText().replaceAll("%\\>","%>");
    setText(txt);
}

/** Match <<...>> but also allow <<...<<...>> so we can have tag on end.
   Escapes: \> means >> inside of <<...>>.
   Escapes: \>> means >> inside of <<...>> unless at end like <<...>>>.<<...>>.
   In that case, use <%..>>%> instead.
*/
BIGSTRING
':<<'
    (options {greedy=false;})
    :\W' \> // \> escape
    [\W ~\> // allow this but don't collapse in action
    ~\W
    )*    '>>'
    {
        String txt = getText();
        txt = Misc.replaceEscapedRightAngle(txt); // replace \> with > unless <\>
        setText(txt);
    }

ANONYMOUS_TEMPLATE
    :'{'
    {
        Token templateToken = new CommonToken(input, ANONYMOUS_TEMPLATE, 0, getCharIndex(),
            getCharIndex());
        STLexer lexer =
            new STLexer(group.errMgr, input, templateToken, group.delimiterStartChar, group.delimiterStopChar);
        lexer.subtemplateDepth = 1;
        Token t = lexer.nextToken();
        while ( lexer.subtemplateDepth>=1 || t.getType()!=STLexer.RCURLY ) {
            if ( t.getType()==STLexer.EOF_TYPE )
                MismatchedTokenException e = new MismatchedTokenException('}', input);
                String msg = "missing final '}' in {...} anonymous template";
                group.errMgr.groupLexerError(ErrorType.SYNTAX_ERROR, getSourceName(), e, msg);
                break;
            t = lexer.nextToken();
        }
        // don't match '}\}' here; our little {...} scanner loop matches it
        // to terminate.
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* Marker interface for credentials required to authenticate a principal.

* The Credentials is an opaque object that represents the information a user
* asserts proves that the user is who it says it is. In CAS, any information
* that is to be presented for authentication must be wrapped (or implement) the
* Credentials interface. Credentials can contain a userid and password, or a
* Certificate, or an IP address, or a cookie value. Some credentials require
* validation, while others (such as container based or Filter based validation)
* are inherently trustworthy.

* People who choose to implement their own Credentials object should take care that
* any toString() they implement does not accidentally expose confidential information.
* toString() can be called from various portions of the CAS code base, including logging
* statements, and thus toString should never contain anything confidential or anything
* that should not be logged.

* Credentials objects that are included in CAS do NOT expose any confidential information.

* @author William G. Thompson, Jr.
* @version $Revision: 1.2 $ $Date: 2007/01/22 20:35:26 $
* @since 3.0

* This is a published and supported CAS Server 3 API.

Found in path(s):
* /opt/cola/permits/1124804695_1611179419.16/0/cas-server-core-3-5-2-sources-1-
  jar/org/jasig/cas/authentication/principal/Credentials.java

1.3519 path-exists 3.0.0

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1.3520 python-pyasn1 0.1.9 1

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1.3521 libheif 1.3.2-2~deb10u1

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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>
@author Paulo Barreto <paulo.barreto@terra.com.br>

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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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1.3549 expat 2.1.0 7ubuntu0.16.04.3

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1.3550 agent-base 4.2.0

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Found in path(s):
* /opt/cola/permits/1110634127_1607050447.64/0/agent-base-4-2-0-3-tgz/package/README.md

1.3551 libxdata 2:1.6.4 3ubuntu0.3

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**1.3553 libice 2:1.0.9-2**

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1.3554 grub-common 2.02 2ubuntu8.21
1.3554.1 Available under license :
From 0000000000000000000000000000000000000000 Mon Sep 17 00:00:00 2001
From: Vladimir Serbinenko <phcoder@gmail.com>
Date: Fri, 20 Mar 2015 11:13:58 +0100
Subject: [PATCH] cacheinfo: Add missing license information.

---
grub-core/commands/cacheinfo.c | 2 ++
1 file changed, 2 insertions(+)
diff --git a/grub-core/commands/cacheinfo.c b/grub-core/commands/cacheinfo.c
index ead6ff82fc..d34a346964c 100644
--- a/grub-core/commands/cacheinfo.c
+++ b/grub-core/commands/cacheinfo.c
@@ -23,6 +23,8 @@
#include <grub/i18n.h>
#include <grub/disk.h>

+GRUB_MOD_LICENSE ("GPLv3+”);
+
static grub_err_t
grub_rescue_cmd_info (struct grub_command *cmd __attribute__ ((unused)),
   int argc __attribute__ ((unused)),
   GNU GENERAL PUBLIC LICENSE
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From 0000000000000000000000000000000000000000 Mon Sep 17 00:00:00 2001
From: Stephane Rochoy <sheda>
Date: Sun, 22 Jun 2014 01:35:52 +0200
Subject: [PATCH] * grub-core/loader/i386/bsd.c (grub_netbsd_boot): Pass pointer to EFI system table.

---
grub-core/loader/i386/bsd.c | 8 ++++++++ 
include/grub/i386/netbsd_bootinfo.h | 7 ++++++++
ChangeLog | 5 +++++
3 files changed, 20 insertions(+)

diff --git a/grub-core/loader/i386/bsd.c b/grub-core/loader/i386/bsd.c
index 41ef9109ee1..8f691e0e2d1 100644
--- a/grub-core/loader/i386/bsd.c
+++ b/grub-core/loader/i386/bsd.c
@@ -1145,6 +1145,14 @@ grub_netbsd_boot (void)
    if (err)
       return err;

+#ifdef GRUB_MACHINE_EFI
+  err = grub_bsd_add_meta (NETBSD_BTINFO_EFI,
+                      &grub_efi_system_table,
+                      sizeof (grub_efi_system_table));
+  if (err)
+    return err;
+#endif
+
{
  struct bsd_tag *tag;
  tag_buf_len = 0;

diff --git a/include/grub/i386/netbsd_bootinfo.h b/include/grub/i386/netbsd_bootinfo.h
index e48c19b4089..9b4f4604103 100644
--- a/include/grub/i386/netbsd_bootinfo.h
+++ b/include/grub/i386/netbsd_bootinfo.h
@@ -58,6 +58,8 @@
#define NETBSD_BTINFO_BOOTWEDGE 10
#define NETBSD_BTINFO_MODULES 11
#define NETBSD_BTINFO_FRAMEBUF 12
+#define NETBSD_BTINFO_USERCONFCOMMANDS 13
+#define NETBSD_BTINFO_EFI 14

struct grub_netbsd_bootinfo
{
    @ @ -146,4 +148,9 @ @ struct grub_netbsd_btinfo_framebuf

#define GRUB_NETBSD_MAX_ROOTDEVICE_LEN 16

+struct grub_netbsd_btinfo_efi
+{
+    void *pa_systbl; /* Physical address of the EFI System Table */
+};
+
#define GRUB_NETBSD_MAX_ROOTDEVICE_LEN 16

diff --git a/ChangeLog b/ChangeLog
index abf8f4b2716..0cdd095a498 100644
--- a/ChangeLog
+++ b/ChangeLog
@@ -1,3 +1,8 @@
+2014-06-21  Stephane Rochoy <sheda>
+
+* grub-core/loader/i386/bsd.c (grub_netbsd_boot): Pass pointer to
+EFI system table.
+
+2014-06-21  Stephane Rochoy <sheda>

* grub-core/commands/efi/lsefisystab.c (grub_cmd_lsefisystab): Show
From 0000000000000000000000000000000000 Mon Sep 17 00:00:00 2001
From: dann frazier <dann.frazier@canonical.com>
Date: Thu, 21 May 2015 10:28:48 -0600
Subject: [PATCH] arm64/setjmp: Add missing license macro

Including the setjmp module in an arm64-efi image will cause it to
immediately exit with an "incompatible license" error.

The source file includes a GPLv3+ boilerplate, so fix this by declaring a
GPLv3+ license using the GRUB_MOD_LICENSE macro.

Signed-off-by: dann frazier <dann.frazier@canonical.com>
---
grub-core/lib/arm64/setjmp.S | 2 ++
1 file changed, 2 insertions (+)
diff --git a/grub-core/lib/arm64/setjmp.S b/grub-core/lib/arm64/setjmp.S
index adaafe40f71..eabfd99b296 100644
--- a/grub-core/lib/arm64/setjmp.S
+++ b/grub-core/lib/arm64/setjmp.S
@@ -17,8 +17,10 @@
*/

#include <grub/symbol.h>
+#include <grub/dl.h>

.file "setjmp.S"
+GRUB_MOD_LICENSE "GPLv3+
.text

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1.3555 protoduck 4.0.0
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1.3556 lodash-transform 3.0.4
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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

* [Your name or handle] <[email or website]>
  * [Brief summary of your changes]

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1.3559 gpgv 1.4.20 1ubuntu3.3

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1.3568 val-loader 1.1.1
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---
teardown: 
- do: 
  license.post: 
    acknowledge: true 
    body: |
    
    {"licenses": [{"uid":"3aa62ffe-36e1-4fad-bfdc-9df8301eb22","type":"trial","issue_date_in_millis":1523456691721,"expiry_date_in_millis":1838816691721,"max_nodes":5,"issued_to":"customer","issuer":"elasticsearch","signature":"AAAABAAAAA2kWNcuc+DT0rlmYZKAAAAIAo5/x6hrsGh1GqrrJmy4qnmEC7gK0U4zQ6q5ZEMhm4jAAABAEEn6fG9y2VxKBu2T3D5hff56kzOQQODCOdh0y2d17ZS1JMRq07ZywPCWNS1aR33GhflIkTER0ysML0xMH/gXavhyRvMBndLj0UBKzuwpTawSLnxYtcqN8mSB1vJC7Ki+uJlSpAILC2ZP9fnkRlqwXqBiTtwfYn7xnZgu9DKrOWru/ipTPOb0?jceP18VTK6nWFen7/hCFDQTUFZ0jQvd+nq7A1ApcHGNxGfdbMVMaAXCXgGwkRfT3cI09/vadgo+isNyh1sPq9mN7gsvsBAKItA1Frp

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## current license version

- do:
  license.post:
    acknowledge: true
    body: |
    "licenses": [{ "uid": "894371dc-9t49-4997-93cb-802e3r7fa6a8", "type": "trial", "issue_date_in_millis": 1411948800000, "expiry_date_in_millis": 1916956799999, "max_nodes": 1, "issued_to": "issuedTo", "issuer": "issuer", "signature": "AAAAAaGAAAA0FW0ht9njitq2qammmAABmC9ZN0hjZDBGYNvYrxpcOw5Bb3fjZDaXowPsbTvoMVZwUrzVe1PSmxxaxzDw5IMhiTHNoN1N2MxM
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NlIIZyZcycyVVTnFrc2zdzhJZmZrdFQrN3JQeGxw0bU0MXZ0dIJHSEriZTVLOHnzSDByWnp0ZEpzhZH
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Q1WkbrDBD5Y1POYVjTayolTnWLMxFeAcKATJZLhpeBEH77kZWrJS6J1dCREjea7asvJ78HIXoLy" ]}

- match: { license_status: "valid" }

- do:
  license.get: {}

## a license object has 11 attributes

- length: { license: 11 }

## bwc for licenses format

- do:
  license.post:
    acknowledge: true
    body: |
    "licenses": [{ "uid": "893361dc-9749-4997-93cb-802e37fa4a8", "type": "gold", "issue_date_in_millis": 1411948800000, "expiry_date_in_millis": 1914278399999, "max_nodes": 1, "issued_to": "issuedTo", "issuer": "issuer", "signature": "AAAAAwAAB2T3vdBBetKqaBgxipAAABmc9ZN0hjZDBGYNvYrxpcOw5Bb3fjZDaXowPsbTvoMVZwUrzVe1PSmxxaxzDw5IMhiTHNoN1N2Mn
XMrFRk4d3JTZe3R3R0pzU3loWJKZnQveSFi40ppTHBkWkpZWSQ9iNnRQkw1SlpN0ldAlZC0S095M
XXRN2lN1lIZyZcycyVVTnFrc2zdzhJZmZrdFQrN3JQeGxw0bU0MXZ0dIJHSEriZTVLOHnzSDByWnp0ZEpzhZH
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bVNQS2IxiOHN5bUErZINIKzSVMzIWEtSU9w7TTJENDvV1NClYklcuyYyk2FwRw9xa06ldDmmMmz5GtQc3FWOTtg2ZZuc"MxQto2RUZaNzHlZvLd2dD9rwUzh6UG5pdENGWFRreXNKnkE9PQAABZzhvoaZ0trxHuUQbksKmTnaq95KVQpvy8wgy1mnsBPZC18kXISrgoFibxq6l1lvw5qmnYiNthRhtO9EyaCBqakL8
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Q1WkbrDBD5Y1POYVjTayolTnWLMxFeAcKATJZLhpeBEH77kZWrJS6J1dCREjea7asvJ78HIXoLy" ]}
FYgawfLm9zzT80LvcLHjy1v/v2uSzCQWKdXXhrwSy4WrAH2uK/+P8iEQ7aEpW5erLsyj5KLA6OEZJDAP7r+mj
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whdUDHw41MK7ePo6uq73Nz49y9IDgt9fxA0t4ggEBPbnTDDBVQ25AjaY8sa0M5eg9rDDRawy1KamYWrra8
PIGX+2YjhtUeQhmiCPdIxe9wEC7J/knPs5bI3ZoXQR3fyXhjcxNHe1slbqLrMCai3PLx7Il+KPYMa2ZYL/am4
P"]]

- match: { license_status: "valid" }

- do:
  license.get: {}

- length: { license: 11 }

### license version: 1.x

- do:
  license.post:
    acknowledge: true
    body: |
    
    {"licenses": [{"uid": "893361dc-9749-4997-93cb-802e3d7faa48","type": "subscription","subscription_type": "gold","issue_date_in_millis": 1411948800000,"feature": "shield","expiry_date_in_millis": 1914278399999,"max_nodes": 1,"issued_to": "issuerto","issuer": "issuer","signature": "AAAAAQQQAAAOLVAYwpwSH94cyXr4zAAABmC9ZNOaZJDBGYyfVxRxpCOW5Bb3FjZDAxOWpSbTVoMVWZyUzRykpL3sckxakzZdW51MhjHTNoNiNz5MXmvRyk4d3J7ZEtZ3R3RRZ0pZU3lobWJKZnQvSEFva0p
THBkWkprZWSZQiqiNNmRNQKnw1SPlwNDAlZCSO955XMRG11lZIpYcVVTnFrEcT2dzhJZmZrdFQrN3JqE
wx0bU0MXZf0dJhSeiriVTLONozSBYWnpoZEpHZHEZJuTrTVbxRENNSXsWVljZjlaOdzsVmEuzJi
WktNTWGM5TUjQ2pLuo4Q1JOm4MXNu0pSOEhQaVB2azhmUk9QVzhuFeTFOm1Q0RnJXSG53MwK2K
055c28zSmRnVKh1b2JSQkFLV2VXUmVHZD2R3o2VE1qhbVNQQS2lxOHN5bUErzINWkzWSmZjWEuasuU9W
TTJENDVvT1NCYklauYyK2FWr9x0a06ldMbMzSrgQc3FWQ0TGzZ3ZucXMvQk2U2RZwMFnZzlVld2
bDRWuHz6UGp5dENGWFreurXNNKeE9PQdAAQA4qcce/URRZvdFolhgy9dqybYEQLW8YLiAyPV5XHHH
dtk+diZlepLNEDkUXhXS2wvJlsNRFs4kqplDfwNoD2TUM8fTgHfSiZYGDTGTG+yW5eAeEJ55v1iBN27
bkqL+V4Ya0aTcm7NKNKwJszWKAHtU3uVF8chPkgfCE0kQgVwpC9RE82Tw0s6/ur+IPILGNFaqP0mUitE5n
ucfVrtq89QjO/KA/7ZyBo7VTVNxZQr7T7rZWBCP9KlJpTzcWeWuk0Q5+rSoJNYboF3HGKtrCVsRz/55rcenT
wdKKXu1lwSeir4ll/KLduQTFLy0+1th87S8ST88UT"]}

- match: { license_status: "valid" }

- do:
  license.get: {}

- length: { license: 11 }

### multiple licenses version: 1.x

- do:
  license.post:
    acknowledge: true
    body: |
    
    {"licenses": [{"uid": "893361dc-9749-4997-93cb-802e3d7faa48","type": "internal","subscription_type": "none","issue_date_in_millis": 1411948800000,"feature": "shield"}]

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d", "expiry_date_in_millis":1440827999999,"max_nodes":1,"issued_to":null,"issuer":null,"signature":null;
A AAAAQAAAAA04Qk4y3FyfWLKfyrEAAAAABmC9ZN0hjZDBGYnYyRXpCOW5BbFZDAXOWpStVOyMVZwUzRxVkp1PSmxa4kxZdW5rIhTHNoN1N2MXMvRFk4d3JTZE3r3RRZ0pzU3loWfJkzQvSEFva0ppTHBkWkprZWZS9iNnRQkw1SpLoN0ldAIzcS05911ZIzpYcVVTtnFrcTE2zhjZnZrdFqrN3QjGeGwb0u0MXZ0dDJHSlERizTVLOHnzSDByWnpoZEpZtHBEHzUrTVBxRENNSXNzWjJlZaODzZvUjUjNiWktnNWGM5TUQV2vplUo4Q10Uml4M4XnUloPSEoHqVaB2azhmkU9qVZhFeTFeoM1Q0RnJXSG3Mw8k42t5SpSmRnVfK1b2JSQkFLVxUMVHVNDZ2R3oV2e1qvBNQs2lxOHHb5eERZiNKzWSVmZVIWtEauSU9wttTJENDVtVTYNCykacUyYK2FwWR9xa0t6l6dMbMmMzGtQc3FWOTgzz3ZUcXMvQkt2RUZwMfJnZzlzL2d2bDwRuzh6UGpdeENGWFrreXNKnkE9QFPAQAQQC9Q4du0pnmZDR3Uuypl0ic3aQj+nvVq=+U8u79Dgaz5q1qJchDh7HvIBJEK4+nVPlp/PXVx/7pZ5WwYV1yErit+6rYix1yuHegqwxmn/VdRICJCaZM6tk0Ob4dZCPv6Ebzn2Mnk899KHC/PwiLPqF6QfwVPkpa8k2A30RJmvYSDVxH6e6C8sdq4ebfsFqxrZjwWhCSZpzigqZBFXInDgVn0hHhpGlucerzd0DJ5fdEfLZ5A1DDorgO90JVeShyRqFe1L5QRUNdXpVPVF+EAG0D1cNdj/SmpYcPnVjw06iq2/YgM3cuxsXVBY7ij4Wn0Pn3ce7Zjs9TwHn+Izqf6C6]]

- match: { license_status: true }

- do:
  license.get: {}

- length: { license: 11 }

- match: { license.uid: "893361dc-9749-4997-93cb-802e3d0f7faa" }

---

"Should throw 404 after license deletion":

- do:
  license.delete: {}

- match: { acknowledged: true }

- do:
  license.get: {}
  catch: missing

---

"Should install a feature type license":


# VERSION_NO_FEATURE_TYPE license version

- do:
  license.post:
    acknowledge: true
    body: |
     "license": {"uid":"893361dc-9749-4997-93cb-802e3d7fa4a8","type":"gold","issue_date_in_millis":1411948800000,"expiry_date_in_millis":1914278399999,"max_nodes":1,"issued_to":null,"issued_by":null,"signature":null,"issue_affected":null}

- match: { license_status: "valid" }

- do:
  license.get: {}

- length: { license: 11 }

---

"Cannot start basic":

- do:
  catch: bad_request
  license.post:
    acknowledge: true
    body: |
     "license": {"uid":"893361dc-9749-4997-93cb-802e3d7fa4a8","type":"basic","issue_date_in_millis":1411948800000,"expiry_date_in_millis":1914278399999,"max_nodes":1,"issued_to":null,"issued_by":null,"signature":null,"issue_affected":null}
"Should fail gracefully when body content is not provided":

- do:
  catch: bad_request
  license.post:
    acknowledge: true

- match: { error.root_cause.0.reason: 'The license must be provided in the request body' }

"Current license is trial means not eligle to start trial":

- do:
  license.get_trial_status: {}  

- match: { eligible_to_start_trial: false }

- do:
  license.post_start_basic:
    acknowledge: true

- match: { basic_was_started: true }

- do:
  license.get_trial_status: {} 

- match: { eligible_to_start_trial: false }

- do:
  catch: forbidden
  license.post_start_trial:
    acknowledge: true

- match: { trial_was_started: false }
- match: { error_message: "Operation failed: Trial was already activated." }

"Trial license cannot be basic":

- do:
  catch: bad_request
  license.post_start_trial:
    type: "basic"
    acknowledge: true
"Can start basic license if do not already have basic":
- do:
  license.get_basic_status: {}

- match: { eligible_to_start_basic: true }
  do:
  license.post_start_basic:
    acknowledge: true

- match: { basic_was_started: true }
- match: { acknowledged: true }

- do:
  license.get_basic_status: {}

- match: { eligible_to_start_basic: false }

- do:
  catch: forbidden
  license.post_start_basic: {}

- match: { basic_was_started: false }
- match: { acknowledged: true }
- match: { error_message: "Operation failed: Current license is basic." }

---

"Must acknowledge to start basic":
- do:
  license.post_start_basic: {}

- match: { basic_was_started: false }
- match: { acknowledged: false }
- match: { error_message: "Operation failed: Needs acknowledgement." }

/

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/*
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<html lang="en">
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  <meta charset="utf-8">
  <link rel="dns-prefetch" href="https://assets-cdn.github.com">
  <link rel="dns-prefetch" href="https://avatars0.githubusercontent.com">
  <link rel="dns-prefetch" href="https://avatars1.githubusercontent.com">
  <link rel="dns-prefetch" href="https://avatars2.githubusercontent.com">
  <link rel="dns-prefetch" href="https://avatars3.githubusercontent.com">
  <link rel="dns-prefetch" href="https://github-cloud.s3.amazonaws.com">
  <link rel="dns-prefetch" href="https://user-images.githubusercontent.com/">
  <link crossorigin="anonymous" href="https://assets-cdn.github.com/assets/frameworks-2d2d4c150f7000385741c6b992b302689ecd172246c6428904e0813be9bceca6.css" media="all" rel="stylesheet" />
  <link crossorigin="anonymous" href="https://assets-cdn.github.com/assets/github-0522ae8d3b3bdc841d2f91f90e0f5f1fd9040d910905674cd134ced43a6df6a6.css" media="all" rel="stylesheet" />
  <link crossorigin="anonymous" href="https://assets-cdn.github.com/assets/site-cfab053e93fae27f4c63d4ff6b7957bd25f711667fe678e747f8a4d88e47b38d.css" media="all" rel="stylesheet" />
  <meta name="viewport" content="width=device-width">
  <title>cryptacular/NOTICE at master vt-middleware/cryptacular GitHub</title>
  <link rel="search" type="application/opensearchdescription+xml" href="/opensearch.xml" title="GitHub">
  <link rel="fluid-icon" href="https://github.com/fluidicon.png" title="GitHub">
  <meta property="fb:app_id" content="1401488693436528">
class="btn btn-sm btn-with-count tooltipped tooltipped-n"
aria-label="You must be signed in to fork a repository" rel="nofollow">
<svg aria-hidden="true" class="octicon octicon-repo-forked" height="16" version="1.1" viewBox="0 0 10 16" width="10"></svg>

Fork
</a>

<a href="/vt-middleware/cryptacular/network" class="social-count"
aria-label="1 user forked this repository">
1
</a>
</ul>

<h1 class="public">
<svg aria-hidden="true" class="octicon octicon-repo" height="16" version="1.1" viewBox="0 0 12 16" width="12"></svg>
<span class="author" itemprop="author"><a href="/vt-middleware" class="url fn" rel="author">vt-middleware</a></span><!--
--><span class="path-divider">/</span><!--
--><strong itemprop="name"><a href="/vt-middleware/cryptacular" data-pjax="#js-repo-pjax-container">cryptacular</a></strong>
</h1>

</div>
</div>

<nav class="reponav js-repo-nav js-sidenav-container-pjax"
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role="navigation
 data-pjax="#js-repo-pjax-container">
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c" data-selected-links="repo_source repo_downloads repo_commits repo_releases repo_tags repo_branches /vt-middleware/cryptacular" itemprop="url">
<svg aria-hidden="true" class="octicon octicon-code" height="16" version="1.1" viewBox="0 0 14 16" width="14"><path fill-rule="evenodd" d="M9.5 3L8 4.5 11.5 8 11.5 9.5 13 14 8 9.5 13 14 8 11.5 11.5 8 11.5 9.5 13 14 11.5 11.5 9.5 13 14 8 9.5 13 14 8 8 9 11.5 9.5 13 14 8 9.5 13 14 8 6 4.5 11.5 8 11.5 9.5 13 14 8 9.5 13 14 8 2.5 8 6 4.5 4.5 3z"/></svg>

Code
</a>
</span>
</nav>
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v1.2.0

v1.2.2

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v1.0
v1.0-RC1
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== Delete License

The license can be deleted using the `deleteLicense()` method:

```java
/*source*/("java",subs="attributes,callouts,macros")
```

The returned `DeleteLicenseResponse` contains the `acknowledged` flag, which
returns true if the request was processed by all nodes.

```java
/*source*/("java",subs="attributes,callouts,macros")
```

<1> Check the acknowledge flag. It should be true if license deletion is acknowledged.

This request can be executed asynchronously:

```java
/*source*/("java",subs="attributes,callouts,macros")
```
The `DeleteLicenseRequest` to execute and the `ActionListener` to use when the execution completes

The asynchronous method does not block and returns immediately. Once it is completed the `ActionListener` is called back using the `onResponse` method if the execution successfully completed or using the `onFailure` method if it failed.

A typical listener for `DeleteLicenseResponse` looks like:

```java
include-tagged::{doc-tests}/LicensingDocumentationIT.java[delete-license-execute-listener]
```

---

<1> Called when the execution is successfully completed. The response is provided as an argument

<2> Called in case of failure. The raised exception is provided as an argument

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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.salaranta@iki.fi), and has
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  analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt,
  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

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers
(common) are based on BSD-licensed reference implementations created by Jacques Savoy and
Ljiljana Dolamic. These files reside in:
  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
  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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and Edmond Nolan.
The Polish analyzer (stempel) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt. See http://project.carrot2.org/license.html.

The SmartChineseAnalyzer source code (smartcn) was provided by Xiaoping Gao and copyright 2009 by www.imdict.net.

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mecab-ko-dic-2.0.3-20170922

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--- Update license API
++++
<titleabbrev>Update license</titleabbrev>
++++

This API enables you to update your license.

[float]
==== Request

`PUT /_license`

[float]
==== Description

You can update your license at runtime without shutting down your nodes.
License updates take effect immediately. If the license you are installing does
not support all of the features that were available with your previous license,
however, you are notified in the response. You must then re-submit the API
request with the `acknowledge` parameter set to `true`.

For more information about the different types of licenses, see
https://www.elastic.co/subscriptions.

[float]
==== Query Parameters
‘acknowledge’::
(boolean) Specifies whether you acknowledge the license changes. The default value is ‘false’.

[float]
==== Request Body

‘licenses’::
(array) A sequence of one or more JSON documents containing the license information.

[float]
==== Authorization

If {es} {security-features} are enabled, you need ‘manage’ cluster privileges to install the license.

If {es} {security-features} are enabled and you are installing a gold or platinum license, you must enable TLS on the transport networking layer before you install the license. See <<configuring-tls>>.

[float]
==== Examples

The following example updates to a basic license:

[source,js]
-------------------------------------------------------------
POST /_license
{
  "licenses": [ 
    
    
    "uid":"893361dc-9749-4997-93cb-802e3d7fa4xx",
    "type":":basic",
    "issue_date_in_millis":1411948800000,
    "expiry_date_in_millis":1914278399999,
    "max_nodes":1,
    "issued_to":":issuedTo",
    "issuer":":issuer",
    "signature":":xx"
    ]
  ]
}
-------------------------------------------------------------
// CONSOLE
// TEST[skip:license testing issues]
You can also install your license file using a `curl` command. Be sure to add `@` before the license file path to instruct curl to treat it as an input file.

[source,shell]
------------------------------------------------------------
curl -XPUT -u <user> 'http://<host>:<port>/_license' -H "Content-Type: application/json" -d @license.json
------------------------------------------------------------

On Windows, use the following command:

[source,shell]
------------------------------------------------------------
Invoke-WebRequest -uri http://<host>:<port>/_xpack/license -Credential elastic -Method Put -ContentType "application/json" -InFile .\license.json
------------------------------------------------------------

In these examples,

* `"<user>"` is a user ID with the appropriate authority.
* `"<host>"` is the hostname of the {es} node (`localhost` if executing locally)
* `"<port>"` is the http port (defaults to `9200`)
* `"license.json"` is the license JSON file

NOTE: If your {es} node has SSL enabled on the HTTP interface, you must start your URL with `https://`

If you previously had a license with more features than the basic license, you receive the following response:

[source,js]
------------------------------------------------------------
{
  "acknowledged": false,
  "license_status": "valid",
  "acknowledge": {
    "message": "This license update requires acknowledgement. To acknowledge the license, please read the following messages and update the license again, this time with the "acknowledge=true" parameter:"",
    "watcher": ["Watcher will be disabled"
               ],
    "logstash": ["Logstash will no longer poll for centrally-managed pipelines"
                 ],
  }
}
------------------------------------------------------------
"security": [
    "The following X-Pack security functionality will be disabled: ..."
]
}

// NOTCONSOLE

To complete the update, you must re-submit the API request and set the
`acknowledge` parameter to `true`. For example:

[source,js]

POST /_license?acknowledge=true
{
  "licenses": [
    {
      "uid":"893361dc-9749-4997-93cb-802e3d7fa4xx",
      "type":"basic",
      "issue_date_in_millis":1411948800000,
      "expiry_date_in_millis":1914278399999,
      "max_nodes":1,
      "issued_to":"issuedTo",
      "issuer":"issuer",
      "signature":"xx"
    }
  ]
}

// CONSOLE

// TEST[skip:license testing issues]

Alternatively:

[source,sh]

curl -XPUT -u elastic 'http://<host>:<port>/_license?acknowledge=true' -H "Content-Type: application/json" -d @license.json

// NOTCONSOLE

For more information about the features that are disabled when you downgrade
your license, see {xpack-ref}/license-expiration.html[License Expiration].

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This API enables you to delete licensing information.

'DELETE /_license'
== Description

When your license expires, {xpack} operates in a degraded mode. For more information, see {xpack-ref}/license-expiration.html[License Expiration].

== Authorization

You must have `manage` cluster privileges to use this API. For more information, see {xpack-ref}/security-privileges.html[Security Privileges].

== Examples

The following example queries the info API:

[source,js]
-----------------------------------------------
DELETE /_license
-----------------------------------------------
// CONSOLE
// TEST[skip:license testing issues]

When the license is successfully deleted, the API returns the following response:

[source,js]
-----------------------------------------------
{
    "acknowledged": true
}
-----------------------------------------------
// NOTCONSOLE
this is a test license file
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The Apache Software Foundation (http://www.apache.org/).

Based on source code originally developed in the PDFBox and FontBox projects.

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Includes the Adobe Glyph List

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This API enables you to retrieve licensing information.

`GET /_license`

This API returns information about the type of license, when it was issued, and when it expires, for example.

For more information about the different types of licenses, see
https://www.elastic.co/subscriptions.

`local`:
(booleant) Specifies whether to retrieve local information. The default value is `false`, which means the information is retrieved from the master node.

You must have `monitor` cluster privileges to use this API.
For more information, see
{xpack-ref}/security-privileges.html[Security Privileges].
== Examples

The following example provides information about a trial license:

```javascript
GET /_license
```

```
// CONSOLE
```

```javascript
{
    "license": {
        "status": "active",
        "uid": "cbff45e7-c553-41f7-a4e4f-9205eab80xx",
        "type": "trial",
        "issue_date": "2018-10-20T22:05:12.332Z",
        "issue_date_in_millis": 1540073112332,
        "expiry_date": "2018-11-19T22:05:12.332Z",
        "expiry_date_in_millis": 1542665112332,
        "max_nodes": 1000,
        "issued_to": "test",
        "issuer": "elasticsearch",
        "start_date_in_millis": -1
    }
}
```

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***The art of simplicity is a puzzle of complexity.***

## Overview ##

[YAML](http://yaml.org) is a data serialization format designed for human readability and interaction with scripting languages.

SnakeYAML is a YAML processor for the Java Virtual Machine.

## SnakeYAML features ##

* a **complete** [YAML 1.1 processor](http://yaml.org/spec/1.1/current.html). In particular, SnakeYAML can parse all examples from the specification.
* Unicode support including UTF-8/UTF-16 input/output.
* high-level API for serializing and deserializing native Java objects.
* support for all types from the [YAML types repository](http://yaml.org/type/index.html).
* relatively sensible error messages.

## Info ##

* [Changes](https://bitbucket.org/asomov/snakeyaml/wiki/Changes)
## Contribute ##

* Mercurial DVCS is used to dance with the [source code](https://bitbucket.org/asomov/snakeyaml/src).
* If you find a bug in SnakeYAML, please [file a bug report](https://bitbucket.org/asomov/snakeyaml/issues?status=new&status=open).
* You may discuss SnakeYAML at [the mailing list](http://groups.google.com/group/snakeyaml-core).

Apache HttpComponents Core

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[[java-rest-high-get-license]]
=== Get License

[[java-rest-high-get-license-execution]]
==== Execution

The license can be added or updated using the `getLicense()` method:

"source", "java", subs=\"attributes,callouts,macros\"
--------------------------------------------------
include-tagged:::{doc-tests}/LicensingDocumentationIT.java[get-license-execute]
--------------------------------------------------
[[java-rest-high-get-license-response]]
==== Response

The returned `GetLicenseResponse` contains the license in the JSON format.

"source", "java", subs=\"attributes,callouts,macros\"
--------------------------------------------------
include-tagged:::{doc-tests}/LicensingDocumentationIT.java[get-license-response]
--------------------------------------------------
<1> The text of the license.

[[java-rest-high-get-license-async]]
==== Asynchronous Execution

This request can be executed asynchronously:

"source", "java", subs=\"attributes,callouts,macros\"
--------------------------------------------------
include-tagged:::{doc-tests}/LicensingDocumentationIT.java[get-license-execute-async]
--------------------------------------------------
<1> The `GetLicenseRequest` to execute and the `ActionListener` to use when
the execution completes

The asynchronous method does not block and returns immediately. Once it is
A typical listener for `GetLicenseResponse` looks like:

```java
["source", "java", subs="attributes,callouts,macros"]
--------------------------------------------------
include-tagged::[doc-tests]/LicensingDocumentationIT.java[get-license-execute-listener]
--------------------------------------------------
<1> Called when the execution is successfully completed. The response is provided as an argument
<2> Called in case of failure. The raised exception is provided as an argument

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```
=== Update License
```

```
=== Update License
```

```
=== Execution
```

The license can be added or updated using the `putLicense()` method:

```
["source","java",subs="attributes,callouts,macros"]
--------------------------------------------------
include-tagged:{{doc-tests}/LicensingDocumentationIT.java[put-license-execute]
--------------------------------------------------

<1> Set the categories of information to retrieve. The default is to
return no information which is useful for checking if `{xpack}` is installed
but not much else.

<2> A JSON document containing the license information.

```
=== Response
```

The returned `PutLicenseResponse` contains the `LicensesStatus`,
`acknowledged` flag and possible acknowledge messages. The acknowledge messages
are present if you previously had a license with more features than one you
are trying to update and you didn't set the `acknowledge` flag to `true`. In this case
you need to display the messages to the end user and if they agree, resubmit the
license with the `acknowledge` flag set to `true`. Please note that the request will
still return a 200 return code even if requires an acknowledgement. So, it is
necessary to check the `acknowledged` flag.

```
["source","java",subs="attributes,callouts,macros"]
```
<1> The status of the license
<2> Make sure that the license is valid.
<3> Check the acknowledge flag. It should be true if license is acknowledged.
<4> Otherwise we can see the acknowledge messages in `acknowledgeHeader()`
<5> and check component-specific messages in `acknowledgeMessages()`.

[[java-rest-high-put-license-async]]

==== Asynchronous Execution

This request can be executed asynchronously:

["source","java",subs="attributes,callouts,macros"]

---------------------------
include-tagged::{doc-tests}/LicensingDocumentationIT.java[put-license-execute-async]

---------------------------
<1> The `PutLicenseRequest` to execute and the `ActionListener` to use when
the execution completes

The asynchronous method does not block and returns immediately. Once it is
completed the `ActionListener` is called back using the `onResponse` method
if the execution successfully completed or using the `onFailure` method if
it failed.

A typical listener for `PutLicenseResponse` looks like:

["source","java",subs="attributes,callouts,macros"]

---------------------------
include-tagged::{doc-tests}/LicensingDocumentationIT.java[put-license-execute-listener]

---------------------------
<1> Called when the execution is successfully completed. The response is
provided as an argument
<2> Called in case of failure. The raised exception is provided as an argument

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    [*.{md}]
    trim_trailing_whitespace = false
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    language: node_js
    node_js: node
    * text=auto
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[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):

```bash
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', ...
```

#### 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', ...
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*/opt/cola/permits/1112466749_1607091827.32/0/javax-inject-2-2-0-b21-sources-1-jar/javax/inject/Inject.java
*/opt/cola/permits/1112466749_1607091827.32/0/javax-inject-2-2-0-b21-sources-1-jar/javax/inject/Qualifier.java
*/opt/cola/permits/1112466749_1607091827.32/0/javax-inject-2-2-0-b21-sources-1-jar/javax/inject/Singleton.java
*/opt/cola/permits/1112466749_1607091827.32/0/javax-inject-2-2-0-b21-sources-1-jar/javax/inject/Scope.java
*/opt/cola/permits/1112466749_1607091827.32/0/javax-inject-2-2-0-b21-sources-1-jar/javax/inject/package-info.java
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It was downloaded from <http://ftp.gnome.org/pub/GNOME/sources/glib/>.
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* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2.jar/org/opensaml/xml/signature/impl/X509CertificateImpl.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-
jar/org/opensaml/xml/signature/X509IssuerSerial.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-
jar/org/opensaml/xml/signature/X509CRL.java
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/**
* Encodes and decodes to and from Base64 notation.
*  
*  
*  
*/

/**
* Change Log:
*  
*/
* v2.1 - Cleaned up javadoc comments and unused variables and methods. Added some convenience methods for reading
* and writing to and from files.</li>
* v2.0.2 - Now specifies UTF-8 encoding in places where the code fails on systems with other encodings (like
* EBCDIC).</li>
* v2.0.1 - Fixed an error when decoding a single byte, that is, when the encoded data was a single byte.</li>
* v2.0 - I got rid of methods that used booleans to set options. Now everything is more consolidated and cleaner.
* The code now detects when data that's being decoded is gzip-compressed and will decompress it automatically.
* Generally things are cleaner. You'll probably have to change some method calls that you were making to support the
* new options format (<tt>int</tt>s that you "OR" together).</li>
* v1.5.1 - Fixed bug when decompressing and decoding to a byte[] using
* decode( String s, boolean gzipCompressed )</tt>. Added the ability to "suspend" encoding in the OutputStream
* so you can turn on and off the encoding if you need to embed base64 data in an otherwise "normal" stream (like an
* file).</li>
* v1.5 - Output stream passes on flush() command but doesn't do anything itself. This helps when using GZIP
* streams. Added the ability to GZip-compress objects before encoding them.</li>
* v1.4 - Added helper methods to read/write files.</li>
* v1.3.6 - Fixed methods to read/write files.</li>
* v1.3.5 - Added flag to turn on and off line breaks. Fixed bug in input stream where last buffer being read, if
* not completely full, was not returned.</li>
* v1.3.4 - Fixed when "improperly padded stream" error was thrown at the wrong time.</li>
* v1.3.3 - Fixed I/O streams which were totally messed up.</li>
* <ul>
* <p>I am placing this code in the Public Domain. Do with it as you will. This software comes with no guarantees or
* warranties but with plenty of well-wishing instead! Please visit <a href="http://iharder.net/base64">http://iharder.net/base64</a> periodically to check for updates or to contribute
* improvements.</p>
* </ul>
* @author Robert Harder
* @author rob@iharder.net
* @version 2.1
*/

Found in path(s):
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-
jar/org/opensaml/xml/util/Base64.java
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* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/schema/SchemaBuilder.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/NamespaceManager.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/LangBearing.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/IdBearing.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/BaseBearing.java

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Schema for XML Signatures
http://www.w3.org/2000/09/xmldsig#
$Revision: 1.2 $ on $Date: 2005/06/03 03:09:54 $ by $Author: cantor $

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* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/schema/XSBoolean.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/AbstractElementExtensibleXMLObject.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/AbstractElementExtensibleXMLObjectUnmarshaller.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/AbstractElementExtensibleXMLObjectMarshaller.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/AbstractExtensibleXMLObject.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/AbstractExtensibleXMLObjectMarshaller.java

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* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/parser/ClasspathResolver.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/encryption/validator/CipherReferenceSchemaValidator.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/encryption/validator/EncryptionPropertySchemaValidator.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/signature/validator/SPKIDataSchemaValidator.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/security/BasicSecurityConfiguration.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/security/SecurityConfiguration.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/signature/impl/ChainingSignatureTrustEngine.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/parser/StaticBasicParserPool.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/security/x509/BasicX509Credential.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/security/x509/SubjectNameCriteria.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/security/credential/ChainingCredentialResolver.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/security/credential/CollectionCredentialResolver.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/security/CriteriaFilteringIterator.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/security/keyinfo/NamedKeyInfoGeneratorManager.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/parser/BasicParserPool.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/schema/impl/XSAnyMarshaller.java
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* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-
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jar/org/opensaml/xml/signature/XMLSignatureCredentialContext.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-
jar/org/opensaml/xml/security/keyinfo/StaticKeyInfoGenerator.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-
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* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-
jar/org/opensaml/xml/security/x509/X500DNHandler.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-
jar/org/opensaml/xml/security/credential/EvaluablePublicKeyCredentialCriteria.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-
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* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-
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* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-
jar/org/opensaml/xml/signature/impl/BaseSignatureTrustEngine.java
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* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-
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jar/org/opensaml/xml/security/ApacheXMLSecurityConstants.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-
jar/org/opensaml/xml/security/criteria/PeerEntityIDCriteria.java
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jar/org/opensaml/xml/security/keyinfo/KeyInfoGeneratorFactory.java
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* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-
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* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-

jar/org/opensaml/xml/security/trust/ChainingTrustEngine.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/security/criteria/KeyAlgorithmCriteria.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/security/x509/X509KeyInfoGeneratorFactory.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/security/x509/X509CredentialNameEvaluator.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/security/x509/KeyStoreX509CredentialAdapter.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/security/x509/PKIXValidationOptions.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/security/Version.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/schema/impl/XSDateTimeImpl.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/schema/impl/XSDateTimeBuilder.java
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* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/security/x509/KeyStoreX509CredentialAdapter.java
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* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/security/Version.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/schema/impl/XSDateTimeBuilder.java
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* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/util/LazyList.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/util/IndexingObjectStore.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/security/x509/X509KeyManagerX509CredentialAdapter.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/io/BaseXMLObjectUnmarshaller.java
* /opt/cola/permits/1124846773_1611186008.22/0/xmltooling-1-3-2-1-sources-2-jar/org/opensaml/xml/schema/XSDateTime.java
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src/cmd/internal/objabi/autotype.go
src/cmd/internal/objabi/head.go
src/cmd/internal/objabi/reloctype.go
src/cmd/internal/objabi/symkind.go
src/cmd/internal/obj/arm64/a.out.go
src/cmd/internal/obj/arm64/asm7.go
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src/cmd/internal/obj/arm/a.out.go
src/cmd/internal/obj/arm/asm5.go
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src/cmd/internal/obj/mips/asm0.go
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1.3589 argparse 1.4.0

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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 the various releases.

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History
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1.3590 frameguard 2.0.0

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1.3591 gccbase 5.4.0 6ubuntu1~16.04.11

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package gnu.classpath.tools.taglets;

import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.javadoc.Tag;

/**
 * A simple Taglet which handles Copyright information.
 */
public class CopyrightTaglet implements Taglet {

    private static final String NAME = "copyright";
    private static final String HEADER = "Copyright:";

    public String getName() {
        return NAME;
    }

    public boolean inField() {
        return true;
    }

    public boolean inConstructor() {
        return true;
    }

    public boolean inMethod() {
        return true;
    }

    public boolean inOverview() {
        return true;
    }

    public boolean inPackage() {
return true;
}

public boolean inType() {
    return true;
}

public boolean isInlineTag() {
    return false;
}

public static void register(Map tagletMap) {
    CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
    tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
}

public String toString(Tag tag) {
    return toString(new Tag[]{tag});
}

public String toString(Tag[] tags) {
    if (tags.length == 0) {
        return null;
    } else {
        boolean haveValidTag = false;
        for (int i = 0; i < tags.length && !haveValidTag; ++i) {
            if (tags[i].text().length() > 0) {
                haveValidTag = true;
            }
            else {
        boolean haveValidTag = false;
        for (int i = 0; i < tags.length && !haveValidTag; ++i) {
            if (tags[i].text().length() > 0) {
                haveValidTag = true;
            }
        }
        else {
        boolean haveValidTag = false;
        for (int i = 0; i < tags.length && !haveValidTag; ++i) {
            if (tags[i].text().length() > 0) {
                haveValidTag = true;
            }
        }
        }
        }
    if (haveValidTag) {
        StringBuffer result = new StringBuffer();
        result.append("<dl>");
        for (int i = 0; i < tags.length; i++) {
            if (tags[i].text().length() > 0) {
                result.append("<dt><i>Copyright &#169; " + tags[i].text() + "</i></dt>");
            }
        result.append("</dl>");
        return result.toString();
    } else {
        return null;
    }
}

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<signature of Ty Coon>, 1 April 1990
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That's all there is to it!

// DO NOT EDIT THIS FILE - it is machine generated -*- c++ -*-

#ifndef __java_security_Permission__
define __java_security_Permission__
#pragma interface

#include <java/lang/Object.h>
extern "Java"
{
 namespace java
 {
  namespace security
 {
class Permission;

class PermissionCollection;

class java::security::Permission : public ::java::lang::Object
{
public:
    Permission(::java::lang::String *);
    virtual void checkGuard(::java::lang::Object *);
    virtual jboolean implies(::java::security::Permission *) = 0;
    virtual jboolean equals(::java::lang::Object *) = 0;
    virtual jint hashCode() = 0;
    virtual ::java::lang::String * getName();
    virtual ::java::lang::String * getActions() = 0;
    virtual ::java::security::PermissionCollection * newPermissionCollection();
    virtual ::java::lang::String * toString();

private:
    static const jlong serialVersionUID = -5636570222231596674LL;
    ::java::lang::String * __attribute__((aligned(__alignof__(::java::lang::Object)))) name;

public:
    static ::java::lang::Class class$;
};

@endef // __java_security_Permission__
@ignore
@c Set file name and title for man page.
@setfilename gpl
@settitle GNU General Public License
@c man begin SEEALSO
gfdl(7), fsf-funding(7).
@c man end
@c man begin COPYRIGHT
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@c man end
@end ignore
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/* Permission.java -- The superclass for all permission objects

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import gnu.java.lang.CPStringBuilder;

import java.io.Serializable;

/**
 * This class is the abstract superclass of all classes that implement
 * the concept of a permission. A permission consists of a permission name
 * and optionally a list of actions that relate to the permission. The
 * actual meaning of the name of the permission is defined only in the
 * context of a subclass. It may name a resource to which access permissions
 * are granted (for example, the name of a file) or it might represent
 * something else entirely. Similarly, the action list only has meaning
 * within the context of a subclass. Some permission names may have no
 * actions associated with them. That is, you either have the permission
 * or you don't.
 * *
 * <p>The most important method in this class is <code>implies</code>. This
 * checks whether if one has this permission, then the specified
 * permission is also implied. As a conceptual example, consider the
 * permissions "Read All Files" and "Read File foo". The permission
 * "Read All Files" implies that the caller has permission to read the
 * file foo.
 * *
 * <p><code>Permission</code>'s must be immutable - do not change their
 * state after creation.
 * *
 * @author Aaron M. Renn (arenn@urbanophile.com)
 * @see Permissions
 * @see PermissionCollection
 * @since 1.1
 * @status updated to 1.4
 */

public abstract class Permission implements Guard, Serializable
{

/**
 * Compatible with JDK 1.1+. 
 */

private static final long serialVersionUID = -5636570222231596674L;
/**
 * This is the name assigned to this permission object.
 * @serial the name of the permission
 */
private String name;

/**
 * Create an instance with the specified name.
 * @param name the permission name
 */
public Permission(String name)
{
    this.name = name;
}

/**
 * This method implements the <code>Guard</code> interface for this class.
 * It calls the <code>checkPermission</code> method in
 * <code>SecurityManager</code> with this <code>Permission</code> as its
 * argument. This method returns silently if the security check succeeds
 * or throws an exception if it fails.
 * @param obj the <code>Object</code> being guarded - ignored by this class
 * @throws SecurityException if the security check fails
 * @see GuardedObject
 * @see SecurityManager#checkPermission(Permission)
 */
public void checkGuard(Object obj)
{
    SecurityManager sm = System.getSecurityManager();
    if (sm != null)
        sm.checkPermission(this);
}

/**
 * This method tests whether this <code>Permission</code> implies that the
 * specified <code>Permission</code> is also granted.
 * @param perm the <code>Permission</code> to test against
 * @return true if perm is implied by this
 */
public abstract boolean implies(Permission perm);

/**
 * Check to see if this object equals obj. Use <code>equals</code>, rather
* than <code>equals</code>, when making access control decisions.
* 
* @param obj the object to compare to
*/
public abstract boolean equals(Object obj);

/**
* This method returns a hash code for this <code>Permission</code>. It
* must satisfy the contract of <code>Object.hashCode</code>: it must be
* the same for all objects that equals considers to be the same.
* 
* @return a hash value
*/
public abstract int hashCode();

/**
* Get the name of this <code>Permission</code>.
* 
* @return the name
*/
public final String getName()
{
    return name;
}

/**
* This method returns the list of actions for this <code>Permission</code>
* as a <code>String</code>. The string should be in canonical order, for
* example, both <code>new FilePermission(f, "write,read")</code> and
* <code>new FilePermission(f, "read,write")</code> have the action list
* "read,write".
* 
* @return the action list for this <code>Permission</code>
*/
public abstract String getActions();

/**
* This method returns an empty <code>PermissionCollection</code> object
* that can store permissions of this type, or <code>null</code> if no
* such collection is defined. Subclasses must override this to provide
* an appropriate collection when one is needed to accurately calculate
* <code>implies</code>.
* 
* @return a new <code>PermissionCollection</code>
*/
public PermissionCollection newPermissionCollection()
{
    return null;
/**
 * This method returns a <code>String</code> representation of this
 * <code>Permission</code> object. This is in the format:
 * <code>'(' + getClass().getName() + ' ' + getName() + ' ' + getActions
 * + ')'</code>.
 * 
 * @return this object as a <code>String</code>
 */
public String toString()
{
    CPStringBuilder string = new CPStringBuilder();
    string = string.append('(
    string = string.append(getClass().getName());
    string = string.append(' ');
    string = string.append(getName());
    if (!(getActions().equals("")))
    {
        string = string.append(' ');
        string = string.append(getActions());
    }
    string = string.append(')');
    return string.toString();
}
} // class Permission

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Version 2.1, February 1999

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</para>
<para>
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<para>
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<para>
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</para>
<para>
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<para>
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#
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# so that they have the form:
#
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#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year to all applicable notices. Pass --quilt if you are using quilt and want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the output has been vetted. You can instead pass the names of individual directories, including those that haven't been approved. So:
#
# update-copyright.pl --this-year
#
# is the command that would be used at the beginning of a year to update all copyright notices (and possibly at other times to check whether new files have been added with old years). On the other hand:
#
# update-copyright.pl --this-year libjava
#
# would run the script on just libjava/.
#
# Note that things like --version output strings must be updated before this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__(self):
        self.num_errors = 0

    def report(self, filename, string):
        if filename:
            string = filename + ': ' + string
        sys.stderr.write(string + '
')
        self.num_errors += 1

    def ok(self):
        return self.num_errors == 0

class GenericFilter:
    def __init__(self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()
self.skip_files |= set (]
    # Skip licence files.
    'COPYING',
    'COPYING.LIB',
    'COPYING3',
    'COPYING3.LIB',
    'LICENSE',
    'fdl.texi',
    'gpl_v3.texi',
    'fdl-1.3.xml',
    'gpl-3.0.xml',

    # Skip auto- and libtool-related files
    'aclocal.m4',
    'compile',
    'config.guess',
    'config.sub',
    'depcomp',
    'install-sh',
    'libtool.m4',
    'ltmain.sh',
    'ltoptions.m4',
    'ltstubs.m4',
    'ltversion.m4',
    'lt--obsolete.m4',
    'missing',
    'mkdep',
    'mkinstalldirs',
    'move-if-change',
    'shlibpath.m4',
    'symlink-tree',
    'ylwrap',

    # Skip FSF mission statement, etc.
    'gnu.texi',
    'funding.texi',
    'appendix_free.xml',

    # Skip imported texinfo files.
    'texinfo.tex',
    ])

    def get_line_filter (self, dir, filename):
        if filename.startswith ('ChangeLog'):
            # Ignore references to copyright in changelog entries.
            return re.compile (\"t\")
return None

def skip_file(self, dir, filename):
    if filename in self.skip_files:
        return True

    (base, extension) = os.path.splitext(os.path.join(dir, filename))
    if extension in self.skip_extensions:
        return True

    if extension == '.in':
        # Skip .in files produced by automake.
        if os.path.exists(base + '.am'):
            return True

        # Skip files produced by autogen
        if os.path.exists(base + '.def')
            and os.path.exists(base + '.tpl')):
            return True

    # Skip configure files produced by autoconf
    if filename == 'configure':
        if os.path.exists(base + '.ac'):
            return True
        if os.path.exists(base + '.in'):
            return True

    return False

def skip_dir(self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file(self, dir, filename):
    if filename in self.fossilised_files:
        return True

    # Only touch current current ChangeLogs.
    if filename != 'ChangeLog' and filename.find('ChangeLog') >= 0:
        return True

    return False

def by_package_author(self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__(self, errors):
        self.errors = errors

    # Characters in a range of years. Include '.' for typos.
ranges = '[0-9](?:[-0-9.,\s]\[s+and\[s*][0-9]'

# Non-whitespace characters in a copyright holder's name.
name = '[\w\-,]+'

# Matches one year.
self.year_re = re.compile('[0-9]+')

# Matches part of a year or copyright holder.
self.continuation_re = re.compile(ranges + '|' + name)

# Matches a full copyright notice:
self.copyright_re = re.compile(
    # 1: 'Copyright (C)', etc.
    '([Cc]opyright'
    '[Cc]opyright\s+[Cc]\)
    'copyrights\s+\%s'
    'copyrights\s+&copy;'
    'copyrights\s+@copyright{ }'
    'copyright = ul'
    '@set\s+copyright[\w-]+')

    # 2: the years. Include the whitespace in the year, so that
    # we can remove any excess.
    '(' + ranges + '.?'
    '@value\{[^{}]*\})

    # 3: 'by ', if used
    '(by\s+)?)'

    # 4: the copyright holder. Don't allow multiple consecutive
    # spaces, so that right-margin gloss doesn't get caught
    # (e.g. gnat_ugn.texi).
    '(' + name + '(?:\s? + name + )*)?

    # A regexp for notices that might have slipped by. Just matching
    # 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
    # HTML header markers, so check for 'copyright' and two digits.
    self.other_copyright_re = re.compile('copyright.*[0-9][0-9]',
        re.IGNORECASE)

self.comment_re = re.compile('#+|[*]+;+|%+//+@c [dnl ]
    self.holders = { '@copying': '@copying' }
    self.holder_prefixes = set()

    # True to 'quilt add' files before changing them.
    self.use_quilt = False

    # If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s). Could be ',', '
self.separator = ' ' 

def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find (' ')
    while index >= 0:
        self.holder_prefixes.add (holder[:index])
        index = holder.find (' ', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__ (self, year):
        self.year = year

    def __str__ (self):
        return 'unrecognised year: ' + self.year

def parse_year (self, string):
    year = int (string)
    if len (string) == 2:
        if year > 70:
            return year + 1900
    elif len (string) == 4:
        return year
    raise self.BadYear (string)

def year_range (self, years):
    year_list = [self.parse_year (year)
                 for year in self.year_re.findall (years)]
    assert len (year_list) > 0
    return (min (year_list), max (year_list))

def set_use_quilt (self, use_quilt):
    self.use_quilt = use_quilt

def include_year (self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years (self, dir, filename, filter, years):
    # Leave texinfo variables alone.
if years.startswith('@value'):
    return years

(min_year, max_year) = self.year_range(years)

# Update the upper bound, if enabled.
if self.max_year and not filter.is_fossilised_file(dir, filename):
    max_year = max(max_year, self.max_year)

# Use a range.
if min_year == max_year:
    return '%d' % min_year
else:
    return '%d-%d' % (min_year, max_year)

def strip_continuation(self, line):
    line = line.lstrip()
    match = self.comment_re.match(line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete(self, match):
    holder = match.group(4)
    return (holder
            and (holder not in self.holder_prefixes
                 or holder in self.holders))

def update_copyright(self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join(dir, filename)

    intro = match.group(1)
    if intro.startswith('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end(2):].strip()
        if after_years != ':
            self.errors.report(pathname,
                              'trailing characters in @set: '
                              + after_years)
            return (False, orig_line, next_line)
    else:
        # If it looks like the copyright is incomplete, add the next line.
        while not self.is_complete(match):
            try:
                next_line = file.next()
            except StopIteration:
break

# If the next line doesn't look like a proper continuation,  
# assume that what we've got is complete.
continuation = self.strip_continuation (next_line)
if not self.continuation_re.match (continuation):
    break

# Merge the lines for matching purposes.
orig_line += next_line
line = line.rstrip() + ' ' + continuation
next_line = None

# Rematch with the longer line, at the original position.
match = self.copyright_re.match (line, match.start())
assert match
holder = match.group (4)

# Use the filter to test cases where markup is getting in the way.
if filter.by_package_author (dir, filename):
    assert holder not in self.holders

elif not holder:
    self.errors.report (pathname, 'missing copyright holder')
    return (False, orig_line, next_line)

elif holder not in self.holders:
    self.errors.report (pathname,  
                      'unrecognised copyright holder: ' + holder)
    return (False, orig_line, next_line)

else:
    # See whether the copyright is associated with the package  
    # author.
canon_form = self.holders[holder]
if not canon_form:
    return (False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
line = (line[:match.start (4)]
    + canon_form
    + line[match.end (4):])

    # Remove any 'by'
line = line[:match.start (3)] + line[match.end (3):]

    # Update the copyright years.
years = match.group(2).strip()
try:
    canon_form = self.canonicalise_years(dir, filename, filter, years)
except self.BadYear as e:
    self.errors.report(pathname, str(e))
    return (False, orig_line, next_line)

line = (line[:match.start(2)]
    + ('' if intro.startswith('copyright = ') else ' ')
    + canon_form + self.separator
    + line[match.end(2):])

# Use the standard (C) form.
if intro.endswith('right'):
    intro += ' (C)'
elif intro.endswith('(c)'):
    intro = intro[:-3] + '(C)'
line = line[:match.start(1)] + intro + line[match.end(1):]

# Strip trailing whitespace
line = line.rstrip() + '
'

return (line != orig_line, line, next_line)

def process_file(self, dir, filename, filter):
    pathname = os.path.join(dir, filename)
    if filename.endswith('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove(pathname)
        except OSError:
            pass
        return

    lines = []
    changed = False
    line_filter = filter.get_line_filter(dir, filename)
    with open(pathname, 'r') as file:
        prev = None
        for line in file:
            while line:
                next_line = None
                # Leave filtered-out lines alone.
                if not (line_filter and line_filter.match(line)):
                    match = self.copyright_re.search(line)
                    if match:
                        res = self.update_copyright(dir, filename, filter, file, line, match)
(this_changed, line, next_line) = res
changed = changed or this_changed

# Check for copyright lines that might have slipped by.
else if self.other_copyright_re.search (line):
    self.errors.report (pathname,
        'unrecognised copyright: %s'
        % line.strip())
    lines.append (line)
line = next_line

# If something changed, write the new file out.
if changed and self.errors.ok():
    tmp_pathname = pathname + '.tmp'
    with open (tmp_pathname, 'w') as file:
        for line in lines:
            file.write (line)
    if self.use_quilt:
        subprocess.call (['quilt', 'add', pathname])
    os.rename (tmp_pathname, pathname)

def process_tree (self, tree, filter):
    for (dir, subdirs, filenames) in os.walk (tree):
        # Don't recurse through directories that should be skipped.
        for i in xrange (len (subdirs) - 1, -1, -1):
            if filter.skip_dir (dir, subdirs[i]):
                del subdirs[i]

        # Handle the files in this directory.
        for filename in filenames:
            if filter.skip_file (dir, filename):
                sys.stdout.write ('Skipping %s
' % os.path.join (dir, filename))
            else:
                self.process_file (dir, filename, filter)

class CmdLine:
    def __init__ (self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright (self.errors)
        self.dirs = []
        self.default_dirs = []
        self.chosen_dirs = []
        self.option_handlers = dict()
        self.option_help = []

        self.add_option ('--help', 'Print this help', self.o_help)
        self.add_option ('--quilt', '“quilt add” files before changing them',


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self.o_quilt
self.add_option ('--this-year', 'Add the current year to every notice', self.o_this_year)

def add_option (self, name, help, handler):
    self.option_help.append ((name, help))
    self.option_handlers[name] = handler

def add_dir (self, dir, filter = GenericFilter()):
    self.dirs.append ((dir, filter))

def o_help (self, option = None):
    sys.stdout.write ('Usage: %s [options] dir1 dir2...

    Options:
    % sys.argv[0])
    format = '%-15s %s
    for (what, help) in self.option_help:
        sys.stdout.write (format % (what, help))
    sys.stdout.write ('\nDirectories:
    format = '%-25s
    i = 0
    for (dir, filter) in self.dirs:
        i += 1
        if i % 3 == 0 or i == len (self.dirs):
            sys.stdout.write (dir + '\n')
        else:
            sys.stdout.write (format % dir)
sys.exit (0)

def o_quilt (self, option):
    self.copyright.set_use_quilt (True)

def o_this_year (self, option):
    self.copyright.include_year (time.localtime().tm_year)

def main (self):
    for arg in sys.argv[1:]:
        if arg[1:] != '-':
            self.chosen_dirs.append (arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg] (arg)
        else:
            self.errors.report (None, 'unrecognised option: ' + arg)
    if self.errors.ok():
        if len (self.chosen_dirs) == 0:
            self.chosen_dirs = self.default_dirs
        if len (self.chosen_dirs) == 0:
            self.o_help()
else:
    for chosen_dir in self.chosen_dirs:
        canon_dir = os.path.join (chosen_dir, '')
        count = 0
        for (dir, filter) in self.dirs:
            if (dir + os.sep).startswith (canon_dir):
                count += 1
                self.copyright.process_tree (dir, filter)
        if count == 0:
            self.errors.report (None, 'unrecognised directory: ' + chosen_dir)
            sys.exit (0 if self.errors.ok() else 1)

#..............................................................................

class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True

class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)
    def skip_file (self, dir, filename):
        if filename.endswith ('.m4'):
            pathname = os.path.join (dir, filename)
            with open (pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find ('gettext-') >= 0:
                    return True
            return GenericFilter.skip_file (self, dir, filename)

class GCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)
        self.skip_files |= set (
            # Not part of GCC
            'math-68881.h',
            )
        self.skip_dirs |= set (
            # Better not create a merge nightmare for the GNAT folks.
            'ada',
            
            # Handled separately.
            'testsuite',
            )
self.skip_extensions |= set([
    # Maintained by the translation project.
    '.po',

    # Automatically-generated.
    '.pot',
])

self.fossilised_files |= set([
    # Old news won't be updated.
    'ONEWS',
])

class TestsuiteFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set([
            # Don't change the tests, which could be woend by anyone.
            '.c',
            '.C',
            '.cc',
            '.h',
            '.hs',
            '.f',
            '.f90',
            '.go',
            '.inc',
            '.java',
        ])

def skip_file (self, dir, filename):
    # g++.niklas/README contains historical copyright information
    # and isn't updated.
    if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
        return True
    return GenericFilter.skip_file (self, dir, filename)

class LibCppFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set([
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
        ])

        self.fossilised_files |= set([
            # Old news won't be updated.
            'ONEWS',
        ])
class LibGCCFilter (GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_dirs |= set([
            # Imported from GLIBC.
            'soft-fp',
        ])

class LibJavaFilter (GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_dirs |= set([
            # Handled separately.
            'testsuite',

            # Not really part of the library
            'contrib',

            # Imported from upstream
            'classpath',
            'libltdl',
        ])

def get_line_filter (self, dir, filename):
    if filename == 'NameDecoder.h':
        return re.compile ('.*NAME_COPYRIGHT')
    if filename == 'ICC_Profile.h':
        return re.compile ('.*icSigCopyrightTag')
    return GenericFilter.get_line_filter (self, dir, filename)

class LibMudflapFilter (GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_dirs |= set([
            # Handled separately.
            'testsuite',
        ])

class LibStdCxxFilter (GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)
self.skip_files |= set(['
    # Contains no copyright of its own, but quotes the GPL.
    'intro.xml',
    ])

self.skip_dirs |= set(['
    # Contains automatically-generated sources.
    'html',

    # The testsuite data files shouldn't be changed.
    'data',

    # Contains imported images
    'images',
    ])

self.own_files |= set(['
    # Contains markup around the copyright owner.
    'spine.xml',
    ])

def get_line_filter(self, dir, filename):
    if filename == 'boost_concept_check.h':
        return re.compile('// (C) Copyright Jeremy Siek')
    return GenericFilter.get_line_filter(self, dir, filename)

class GCCCopyright(Copyright):
    def __init__(self, errors):
        Copyright.__init__(self, errors)

        canon_fsf = 'Free Software Foundation, Inc.'
        self.add_package_author('Free Software Foundation', canon_fsf)
        self.add_package_author('Free Software Foundation.', canon_fsf)
        self.add_package_author('Free Software Foundation Inc.', canon_fsf)
        self.add_package_author('Free Software Foundation, Inc', canon_fsf)
        self.add_package_author('Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author('The Free Software Foundation', canon_fsf)
        self.add_package_author('The Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author('Software Foundation, Inc.', canon_fsf)
        self.add_package_author('ARM')
        self.add_external_author('ARM')
        self.add_external_author('AdaCore')
        self.add_external_author('Ami Tavory and Vladimir Dreizin, IBM-HRL')
        self.add_external_author('Cavium Networks.')
        self.add_external_author('Faraday Technology Corp.')
        self.add_external_author('Florida State University')
        self.add_external_author('Greg Colvin and Beman Dawes')
        self.add_external_author('Hewlett-Packard Company')
class GCCCmdLine (CmdLine):
    def __init__ (self):
        CmdLine.__init__ (self, GCCCopyright)

        self.add_dir ('.', TopLevelFilter())
        # boehm-gc is imported from upstream.
        self.add_dir ('config', ConfigFilter())
        # contrib isn't really part of GCC.
        self.add_dir ('fixincludes')
        self.add_dir ('gcc', GCCFilter())
        self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir ('gnatools')
        self.add_dir ('include')
        self.add_dir ('libada')
        self.add_dir ('libatomic')
        self.add_dir ('libbacktrace')
        self.add_dir ('libcpp', LibCppFilter())
        self.add_dir ('libgcc', LibGCCFilter())
        self.add_dir ('libgfortran')
        self.add_dir ('libgomp')
        self.add_dir ('libiberty')
        self.add_dir ('libitm')
        self.add_dir ('libjava', LibJavaFilter())
        self.add_dir (os.path.join ('libjava', 'testsuite'), TestsuiteFilter())
        self.add_dir ('libmudflap', LibMudflapFilter())
        self.add_dir (os.path.join ('libmudflap', 'testsuite'), TestsuiteFilter())
self.add_dir('libobjc')
self.add_dir('libquadmath')

# libsanitiser is imported from upstream.
self.add_dir('libssp')
self.add_dir('libstdc++-v3', LibStdCxxFilter())
self.add_dir('lto-plugin')

# zlib is imported from upstream.

self.default_dirs = [
    'gcc',
    'libada',
    'libatomic',
    'libbacktrace',
    'libcpp',
    'libdecnumber',
    'libgcc',
    'libgfortran',
    'libgomp',
    'libitm',
    'libmudflap',
    'libobjc',
    'libstdc++-v3',
]

GCCCmdLine().main()
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.

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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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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.

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Version 3.1, 31 March 2009

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@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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/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using underscores, we are using prefix '.s' to identify labels that should
be ignored, as in ‘i386/gas.h’ --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn’t be right for DBX output. -- RMS */
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE,SIZE) \
fprintf (FILE, "\t.space HOST_WIDE_INT_PRINT_UNSIGNED\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED) \
( fputs (".comm ", (FILE)),\n assemble_name ((FILE), (NAME)),\n fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED) \
( fputs (".lcomm ", (FILE)),\n assemble_name ((FILE), (NAME)),\n fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT) \
( fputs (".lcomm ", (FILE)),\n assemble_name ((FILE), (NAME)),\n fprintf ((FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif
/* This is how to output an assembler line
that says to advance the location counter
to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG)\  
if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF
the symbol_ref name of an internal numbered label where
PREFIX is the class of label and NUM is the number within the class.
This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)\  
sprintf ((BUF), "\t%c%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX "_"

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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That's all there is to it!
This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation.
and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for
the Russell programming language implementation. The first version of the
garbage collector was written primarily by Al Demers. It was then refined
and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U.,
the University of Washington, Rice University (where it was first used for
C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant
contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in
README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser.
The Encore Multimax modifications were supplied by
Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely
due to Vernon Lee, on machines made available to Rice by IBM.
Much of the HP specific code and a number of good suggestions for improving the
generic code are due to Walter Underwood.
Robert Brazile (brazil@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@mtiame.mtia.oz.au), Michel Schinz, and
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.
Thomas Funke (thf@zelator.in-berlin.de(?)) and
Brian D. Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and
Dave Detlef(s(detlef@s.src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks (age@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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/**
   * This interface provides information about a permission that can be
   * granted. Note that this is &lt;em&gt;not&lt;/em&gt; the same as the class
   * &lt;code&gt;java.security.Permission&lt;/code&gt;.
   *
   * @version 0.0
   *
   * @author Aaron M. Renn (arenn@urbanophile.com)
   */
public interface Permission
{
    /**
       * This method tests whether or not a specified &lt;code&gt;Permission&lt;/code&gt;
       * (passed as an &lt;code&gt;Object&lt;/code&gt;) is the same as this permission.
       *
       * @param perm The permission to check for equality
       *
       * @return &lt;code&gt;true&lt;/code&gt; if the specified permission is the same as this one, &lt;code&gt;false&lt;/code&gt; otherwise
       */
    boolean equals (Object perm);

    /**
       * This method returns this &lt;code&gt;Permission&lt;/code&gt; as a &lt;code&gt;String&lt;/code&gt;.
       *
       * @return A &lt;code&gt;String&lt;/code&gt; representing this permission.
       */
    String toString();
}

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" Automatically generated by Pod::Man 2.16 (Pod::Simple 3.05)
" Standard preamble:
" ========================================================================
de Sh " Subsection heading
.br
.if t .Sp
.ne 5
.PP
%B\$1\fR

 PP

 .de Sp ' Vertical space (when we can't use .PP)
 .if t .sp .5v
 .if n .sp

 .de Vb ' Begin verbatim text
 .ft CW
 .nf
 .ne \$1

 .de Ve ' End verbatim text
 .ft R
 .fi

 ' Set up some character translations and predefined strings. \(*)(-- will
 \*)(PI will give pi, \*)(L" will give a left
 \*)(R" will give a right double quote. \*)(C+ will
 \*)(R" give a nicer C++. Capital omega is used to do unbreakable dashes and
 \*)(nothing in troff, for use with C<>.
 .tr \(*)(W-
 .ds C+ C\v'-.1v\h'-1p\v'-2+4h'-1p'+\v'-0v'.1v\h'-1p'
 .ie n {'
 . ds -- \(*)(W-
 . ds PI pi
 . if \u00264&(1m=24u) .ds -- \ (*)(W\h'-12u\(*)(W\h'-12u\ (*)(W\h'-12u\ (*)(W\h'-12u\h'-1p'+\v'-0v'.1v\h'-1p'
 .ie n {'
 . ds -- \ (*)(W-
 . ds PI pi
 . if \u00264&(1m=20u) .ds -- \ (*)(W\h'-12u\ (*)(W\h'-12u\h'-1p'+\v'-0v'.1v\h'-1p'
 .ie n {'
 . ds -- \ (*)(W-
 . ds PI pi
 . if \u00264&(1m=18u) .ds -- \ (*)(W\h'-12u\ (*)(W\h'-12u\h'-1p'+\v'-0v'.1v\h'-1p'
 .ie n {'
 . ds -- \ (*)(W-
 . ds PI pi
 . if \u00264&(1m=16u) .ds -- \ (*)(W\h'-12u\ (*)(W\h'-12u\h'-1p'+\v'-0v'.1v\h'-1p'
 .ie n {'
 . ds -- \ (*)(W-
 . ds PI pi
 . if \u00264&(1m=14u) .ds -- \ (*)(W\h'-12u\ (*)(W\h'-12u\h'-1p'+\v'-0v'.1v\h'-1p'
 .ie n {'
 . ds -- \ (*)(W-
 . ds PI pi
 . if \u00264&(1m=12u) .ds -- \ (*)(W\h'-12u\ (*)(W\h'-12u\h'-1p'+\v'-0v'.1v\h'-1p'
 .ie n {'
 . ds -- \ (*)(W-
 . ds PI pi
 . if \u00264&(1m=10u) .ds -- \ (*)(W\h'-12u\ (*)(W\h'-12u\h'-1p'+\v'-0v'.1v\h'-1p'
 .ie n {'
 . ds -- \ (*)(W-
 . ds PI pi
 . if \u00264&(1m=8u) .ds -- \ (*)(W\h'-12u\ (*)(W\h'-12u\h'-1p'+\v'-0v'.1v\h'-1p'
 .ie n {'
 . ds -- \ (*)(W-
 . ds PI pi
 . if \u00264&(1m=6u) .ds -- \ (*)(W\h'-12u\ (*)(W\h'-12u\h'-1p'+\v'-0v'.1v\h'-1p'
 .ie n {'
 . ds -- \ (*)(W-
 . ds PI pi
 . if \u00264&(1m=4u) .ds -- \ (*)(W\h'-12u\ (*)(W\h'-12u\h'-1p'+\v'-0v'.1v\h'-1p'
 .ie n {'
 . ds -- \ (*)(W-
 . ds PI pi
 . if \u00264&(1m=2u) .ds -- \ (*)(W\h'-12u\ (*)(W\h'-12u\h'-1p'+\v'-0v'.1v\h'-1p'
 .ie n {'
 . ds -- \ (*)(W-
 . ds PI pi
 . if \u00264&(1m=0u) .ds -- \ (*)(W\h'-12u\ (*)(W\h'-12u\h'-1p'+\v'-0v'.1v\h'-1p'
 .ie n {'

 " Escape single quotes in literal strings from groff's Unicode transform.
 .ie \u00264 .ds Aq \(aq
 .el  .ds Aq \`

 " If the F register is turned on, we'll generate index entries on stderr for
 " titles (.TH), headers (.SH), subsections (.Sh), items (.Ip), and index
 " entries marked with X<> in POD. Of course, you'll have to process the
Accent mark definitions (@(#)ms.acc 1.5 88/02/08 SMI; from UCB 4.2).

Fear. Run. Save yourself. No user-serviceable parts.

fudge factors for nroff and troff

simple accents for nroff and troff

troff and (daisy-wheel) nroff accents
IX Title "GPL 7"
.TH GPL 7 "2016-06-03" "gcc-5.4.0" "GNU"

"For nroff, turn off justification. Always turn off hyphenation; it makes
way too many mistakes in technical documents.
.if n .ad 1

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gpl - GNU General Public License
.SH "DESCRIPTION"
.IX Header "DESCRIPTION"
.Sh "\s-1GNU\s0 General Public License"
.IX Subsection "GNU General Public License"
.Sh "Version 3, 29 June 2007"
.IX Subsection "Version 3, 29 June 2007"
.Vb 1
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Sh TERMS AND CONDITIONS

IX Subsection "TERMS AND CONDITIONS"

IP "0. Definitions."

IX Item "0. Definitions."

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IX Item "7. Additional Terms.”

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IP "11. Patents." 4

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#ifndef __gnu_javax_sound_AudioSecurityManager$Permission__
#define __gnu_javax_sound_AudioSecurityManager$Permission__

#pragma interface

#include <java/lang/Enum.h>
#include <gcj/array.h>

extern "Java"
{
namespace gnu
{
namespace javax
{
namespace sound
{
class AudioSecurityManager$Permission;
}
}
}
}

class gnu::javax::sound::AudioSecurityManager$Permission : public ::java::lang::Enum
{

AudioSecurityManager$Permission(::java::lang::String *, jint);
public:
static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * values();
static ::gnu::javax::sound::AudioSecurityManager$Permission * valueOf(::java::lang::String *);
static ::gnu::javax::sound::AudioSecurityManager$Permission * PLAY;
static ::gnu::javax::sound::AudioSecurityManager$Permission * RECORD;
static ::gnu::javax::sound::AudioSecurityManager$Permission * ALL;
private:
static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * ENUM$VALUES;
public:
static ::java::lang::Class class$;
};

#endif // __gnu_javax_sound_AudioSecurityManager$Permission__

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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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```

with the Invariant Sections being `list their titles`, with
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```

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If your document contains nontrivial examples of program code, we
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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

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some
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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.

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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 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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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.

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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
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modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.
7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
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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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Version 3, 29 June 2007

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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.

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Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.
TERMS AND CONDITIONS

0. Definitions.

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"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

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To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.
A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

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.

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You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:
a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices”.

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate” if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

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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 EXT2 file
system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were
written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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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 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

BSDLIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image::$(BSDLIB_LIB)

$(BSDLIB_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSDLIB_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSDLIB_LIB) .
$(RM) -f ../$(BSDLIB_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'`/$(BSDLIB_LIB) $(BSDLIB_LIB))

install-shlibs install:: $(BSDLIB_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSDLIB_LIB)"
@$(INSTALL_PROGRAM) $(BSDLIB_LIB) \$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSDLIB_LIB) \@-$(!LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSDLIB_LIB)
clean:
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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Gadi Oxman, August 1995

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* /opt/cola/permits/1110636635_1607050461.45/0/indutny-brorand-v1-1-0-0-gddc4f3-1-tar-gz/indutny-brorand-0f106b1/README.md

1.3603 python-wheel 0.29.0-1

1.3603.1 Available under license:
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1.3604 perl-modules 5.22.1 9ubuntu0.9

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Source: http://www.perl.com/CPAN/src/5.0/
Comment:
This package was debianized by Brendan O'Dea <bod@debian.org> on Thu, 17 Aug 2000 16:10:54 +1000.

Upstream Authors:

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Files: *

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was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst) under the BSD-license.

The Arabic,Persian,Romanian,Bulgarian, Hindi and Bengali analyzers (common) come with a default stopwords list that is BSD-licensed created by Jacques Savoy. These files reside in:
analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt,
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

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers (common) are based on BSD-licensed reference implementations created by Jacques Savoy and Ljiljana Dolamic. These files reside in:
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/fr/FrenchLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java

The Stempel analyzer (stempel) includes BSD-licensed software developed by the Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil, and Edmond Nolan.

The Polish analyzer (stempel) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt. See http://project.carrot2.org/license.html.

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WordBreakTestUnicode_* .java (under modules/analysis/common/src/test/) is derived from Unicode data such as the Unicode Character Database. See http://unicode.org/copyright.html for more details.

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===========================================================================
Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
===========================================================================

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mecab-ipadic-2.7.0-20070801

which can be obtained from

http://atilika.com/releases/mecab-ipadic/mecab-ipadic-2.7.0-20070801.tar.gz

or
http://jaist.dl.sourceforge.net/project/mecab/mecab-ipadic/2.7.0-20070801/mecab-ipadic-2.7.0-20070801.tar.gz

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1.3607 npm-install-checks 3.0.2

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1.3608 net-tools 1.60+git20161116.90da8a0
1ubuntu1

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Upstream-Maintainer: Phil Blundell <philb@gnu.org>,
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1.3609 python3-5-venv 3.5.2-2ubuntu0~16.04.1

1.3609.1 Available under license:

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It was downloaded from http://python.org/

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==============

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In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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3.0    2.6  2008  PSF  yes
3.0.1  3.0  2009  PSF  yes
3.1    3.0.1  2009  PSF  yes
3.1.1  3.1   2009  PSF  yes
3.1.2  3.1.1  2010  PSF  yes
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3.3    3.2   2012  PSF  yes

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Mersenne Twister

--------
The `_random` module includes code based on a download from `http://www.math.keio.ac.jp/~matumoto/MT2002/emt19937ar.html`. The following are the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
or init_by_array(init_key, key_length).

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Any feedback is very welcome.
http://www.math.keio.ac.jp/matumoto/emt.html
email: matumoto@math.keio.ac.jp

Sockets
-------
The `socket' module uses the functions, `getaddrinfo', and `getnameinfo', which are coded in separate source files from the WIDE Project, `http://www.wide.ad.jp/about/index.html'.

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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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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.cnrri.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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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of

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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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cabundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.#

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@(#) SRCFile: certdata.txt,v $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $
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History
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library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
#ifndef __LICENSE_H
#define __LICENSE_H

static inline int license_is_gpl_compatible(const char *license)
{
    return (strcmp(license, "GPL") == 0
            || strcmp(license, "GPL v2") == 0
            || strcmp(license, "GPL and additional rights") == 0
            || strcmp(license, "Dual BSD/GPL") == 0
            || strcmp(license, "Dual MIT/GPL") == 0
            || strcmp(license, "Dual MPL/GPL") == 0);
}
#endif
/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)
 * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
 * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
 * http://www.hypermall.com/
 * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
 * interrupts us (except possibly for removal/insertion of the cable?)
 * 10/4/97 - began heavy inline documentation of the code. Corrected typos
 * and spelling mistakes.
 * 10/5/97 - added code to handle PHY interrupts, disable PHY on
 * loss of link, and correctly re-enable PHY when link is
 * re-established. (put back CFG_PHYIE)
 *
 * Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
 *
 * R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
 *
 * Linux driver for the IDT77201 NICStAR PCI ATM controller.
 * PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
 * see init_nicstar() for PHY initialization to change this. This driver
 * expects the Linux ATM stack to support scatter-gather lists
 * (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
 *
 * Implementing minimal-copy of received data:
 * IDT always receives data into a small buffer, then large buffers
 * as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
* combined, allow nicstar_free_rx_skb to be called to
* recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
*
*
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* Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.
*
* M. Welsh, 6 July 1996
*
*
*/

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Version 2, June 1991

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Wolfram Joost <dbox2@frokaschwei.de>
...and all the other dbox2 people
for many bugfixes in the generic DVB Core, frontend drivers and
their work on the dbox2 port of the DVB driver

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Jean-Francois Thibert <jeanfrancois@sagetv.com>  
for the nxt2004 frontend driver

Kirk Lapray <kirk.lapray@gmail.com>  
for the or51211 and or51132 frontend drivers, and  
for merging the nxt2002 and nxt2004 modules into a  
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Wolfram Joost <dbox2@frokaschwei.de>
...and all the other dbox2 people
for many bugfixes in the generic DVB Core, frontend drivers and
their work on the dbox2 port of the DVB driver

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Async::IO provides builds on [async](https://github.com/socketry/async) and provides asynchronous wrappers for `IO`, `Socket`, and related classes.


## Installation

Add this line to your application's Gemfile:

```ruby
gem 'async-io'
```

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---

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And then execute:

$ bundle

Or install it yourself as:

$ gem install async-io

## Usage

Basic echo server (from `spec/async/io/echo_spec.rb`):

```ruby
require 'async/io'
def echo_server(endpoint)
  Async do |task|
    # This is a synchronous block within the current task:
    endpoint.accept do |client|
      # This is an asynchronous block within the current reactor:
      data = client.read
      task.sleep(rand * 0.01)
      client.write(data.reverse)
      client.close_write
    end
  end
end
def echo_client(endpoint, data)
  Async do |task|
    endpoint.connect do |peer|
      peer.write(data)
      peer.close_write
      message = peer.read
      puts "Sent #{data}, got response: #{message}"
    end
  end
end

Async do
  endpoint = Async::IO::Endpoint.tcp('0.0.0.0', 9000)
```
server = echo_server(endpoint)

5.times.map do |i|
  echo_client(endpoint, "Hello World #{i}")
end.each(&:wait)

server.stop
end
```ruby
### Timeouts

Timeouts add a temporal limit to the execution of your code. If the IO doesn't respond in time, it will fail. Timeouts are high level concerns and you generally shouldn't use them except at the very highest level of your program.

```ruby
message = task.with_timeout(5) do
  begin
    peer.read
  rescue Async::TimeoutError
    nil # The timeout was triggered.
  end
end
```ruby
Any `yield` operation can cause a timeout to trigger. Non-`async` functions might not timeout because they are outside the scope of `async`.

#### Wrapper Timeouts

Asynchronous operations may block forever. You can assign a per-wrapper operation timeout duration. All asynchronous operations will be bounded by this timeout.

```ruby
peer.timeout = 1
peer.read # If this takes more than 1 second, Async::TimeoutError will be raised.
```ruby
The benefit of this approach is that it applies to all operations. Typically, this would be configured by the user, and set to something pretty high, e.g. 120 seconds.

### Reading Characters

This example shows how to read one character at a time as the user presses it on the keyboard, and echos it back out as uppercase:

```ruby
require 'async'
```
require 'async/io/stream'
require 'io/console'

$stdin.raw!
$stdin.echo = false

Async do [task]
  stdin = Async::IO::Stream.new(
    Async::IO::Generic.new($stdin)
  )

  while character = stdin.read(1)
    $stdout.write character.upcase
  end
end

```ruby
### Deferred Buffering

`Async::IO::Stream.new(..., deferred:true)` creates a deferred stream which increases latency slightly, but reduces the number of total packets sent. It does this by combining all calls `Stream#flush` within a single iteration of the reactor. This is typically more useful on the client side, but can also be useful on the server side when individual packets have high latency. It should be preferable to send one 100 byte packet than 10x 10 byte packets.

Servers typically only deal with one request per iteration of the reactor so it’s less useful. Clients which make multiple requests can benefit significantly e.g. HTTP/2 clients can merge many requests into a single packet. Because HTTP/2 recommends disabling Nagle’s algorithm, this is often beneficial.

### Contributing

1. Fork it
2. Create your feature branch (`git checkout -b my-new-feature`)
3. Commit your changes (`git commit -am 'Add some feature'`)
4. Push to the branch (`git push origin my-new-feature`)
5. Create new Pull Request

### See Also

- [async](https://github.com/socketry/async)  Asynchronous event-driven reactor.
- [async-websocket](https://github.com/socketry/async-websocket)  Asynchronous client and server websockets.
- [async-dns](https://github.com/socketry/async-dns)  Asynchronous DNS resolver and server.
- [async-rspec](https://github.com/socketry/async-rspec)  Shared contexts for running async specs.
- [rubydns](https://github.com/ioquatix/rubydns)  A easy to use Ruby DNS server.

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### 1.3635 inert 5.1.0

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1.3636 elasticsearch-ssl-config 6.7.1

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</project>

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man/stringlist.3
src/fmtcheck.c
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Files:
include/bsd/sys/endian.h
man/expand_number.3
man/closefrom.3
man/flopen.3
man/getpeereid.3
man/pidfile.3
src/expand_number.c
src/hash/sha512.h
src/hash/sha512c.c
src/pidfile.c
src/reallocf.c
src/timeconv.c

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man/readpassphrase.3
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man/strtonum.3
src/arc4random.c
src/arc4random_openbsd.h
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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src/hash/md5.c
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1.3642 iperf 2.0.10+dfsg1-1ubuntu0.18.04.2

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<body bgcolor="#FFFFFF" link="#006633" vlink="#669900" alink="#669966">

<center>
<img src="dast.gif" alt="Distributed Applications Support Team">
</center>

<h1 align=center>Iperf Copyright</h1>

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Ajay Tirumala<br>
Jim Ferguson<br>
Jon Dugan<br>
Feng Qin<br>
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National Laboratory for Applied Network Research <br>
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University of Illinois at Urbana-Champaign <br>
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1.3644 ipmi-tool 1.8.18-r9

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Originally downloaded from CPAN:
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1.3646 node-libs-browser 2.1.0
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1.3647 e2fsprogs 1.43.4-2

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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 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 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 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_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) \

---

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Theodore Ts'o
23-June-2007

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**1.3650 libpcredev 2:8.39-12**

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This is Debian GNU/Linux's prepackaged version of the PCRE regular expression library and associated pgrep utility.

This package was put together by me, Mark Baker <mbaker@iee.org> from the original sources obtained from ftp.csx.cam.ac.uk:/pub/software/programming/pcre.

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THE BASIC LIBRARY FUNCTIONS
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Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk


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End

1.3651 less 487 0.1

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1.3653 url-loader 1.1.2

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1.3654 guava 22.0

1.3655 libtinfo 6.1 1ubuntu1.18.04

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1.3656 standard 1.1.2

1.3657 libatomic 4.9.2-10+deb8u2

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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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@heading TERMS AND CONDITIONS

@enumerate 0
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- enumerate a
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@enumerate a
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@item
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@item
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1.3659 camus-schema-registry 3.1.1

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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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== Contributors ==
* Tatu Saloranta
  * Providing benchmark suite
* Alec Wysoker
  * Performance and memory usage improvement

# Jackson JSON processor

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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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lib/system/inet_pton.c

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Comment: This code is not used on Debian/*, since we have a working
vasprintf() in glibc.

lib/extras/hex.*
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It was later taken over by Matthias Urlichs <smurf@debian.org> and is now
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<eric@debian.org>, James Westby <jw+debian@jameswestby.net>

It was downloaded from ftp://ftp.gnunet.org/gcrypt/gnutls/

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Alessandro Ghedini *alessandro [at] ghedini.me*
TLS Fallback SCSV support (RFC7507).

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lib/system/vasprintf.c

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Comment: This code is not used on Debian/*, since we have a working
vasprintf() in glibc.

lib/extras/hex.*

Author: Rusty Russell <rusty@rustcorp.com.au>
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============================================
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Clarification letter:
The following was received February 23, 2000
From: "Linn, John" <jlinn@rsasecurity.com>

February 19, 2000

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    * Latch used to implement waiting on a DefaultPromise's result.
    *
    * Inspired by: http://gee.cs.oswego.edu/cgi-bin/viewcvs.cgi/jsr166/src/main/java/util/concurrent/locks/AbstractQueuedSynchronizer.java
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    */

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   /**
A `ClassTag[T]` stores the erased class of a given type `T`, accessible via the `runtimeClass` field. This is particularly useful for instantiating `Array`s whose element types are unknown at compile time.

`ClassTag`s are a weaker special case of `TypeTags`, in that they wrap only the runtime class of a given type, whereas a `TypeTag` contains all static type information. That is, `ClassTag`s are constructed from knowing only the top-level class of a type, without necessarily knowing all of its argument types. This runtime information is enough for runtime `Array` creation.

For example:

```scala
def mkArray[T : ClassTag](elems: T*) = Array[T](elems: _*)

scala> mkArray(42, 13)
res0: Array[Int] = Array(42, 13)

scala> mkArray("Japan","Brazil","Germany")
res1: Array[String] = Array(Japan, Brazil, Germany)
```

See `TypeTags` for more examples, or the Reflection Guide: TypeTags for more details.

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1.3665 xdg-user-dirs 0.15 2ubuntu6.16.04.1

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This is libuuid, previously part of e2fsprogs this is now part of
util-linux-ng and has thus moved to the util-linux Debian source
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Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57c721e38d1266c2df055067e18f2ce9 bsd.img

---layout---------
Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

Device     Boot Start   End Sectors Size Id Type
<removed>1       2048  4095    2048   1M 83 Linux

Create 2nd primary partition
1bebf87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8dff51a88a045db233418dd73f8e bsd.img

Device     Boot Start   End Sectors Size Id Type
<removed>1       2048  4095    2048   1M 83 Linux
<removed>2       4096 20479   16384   8M a5 FreeBSD

Create default BSD
2e1cee529cb59e9341afe0443f196a1 bsd.img

Welcome to fdisk <removed>
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.
Command (m for help): Disk <removed>2: 10 MiB, 10485760 bytes, 20480 sectors
Geometry: 255 heads, 63 sectors/track, 1 cylinders
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: bsd

Slice Start   End Sectors  Size Type     Fsize Bsize Cpg
c  4096 20479   16384    8M unused       0     0   0
d   0 16064   16065  7.9M unused       0     0   0

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):

-------------------
b5c121c2091b2ff26b880551feac7112 bsd.img
---layout-------

Welcome to fdisk <removed>.
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help): Disk <removed>2: 10 MiB, 10485760 bytes, 20480 sectors
Geometry: 255 heads, 63 sectors/track, 1 cylinders
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: bsd

Slice Start   End Sectors  Size Type     Fsize Bsize Cpg
a  4096 6144   2049  1M 4.2BSD       0     0   0
c  4096 20479  16384    8M unused       0     0   0
d   0 16064  16065  7.9M unused       0     0   0

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):
Changes will remain in memory only, until you decide to write them. Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help):

0  unused           5  4.1BSD     9  4.4LFS     d  boot
1  swap             6  Eighth Edition  a  unknown     e  ADOS
2  Version 6        7  4.2BSD     b  HPFS      f  HFS
3  Version 7        8  MS-DOS     c  ISO-9660   10  AdvFS
4  System V

Command (m for help):

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1.3669 on-headers 1.0.2

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1.3670 multidict 5.1.0

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

1.3674 @webassemblyjs/wast-printer 1.7.10
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 * Inspects an object.
 *
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 * @api private
 */

/**
 * Asserts deep equality
 *
 * @see taken from node.js `assert` module (copyright Joyent, MIT license)
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1.3677 ua-parser-js 0.7.18

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1.3678 crossvent 1.5.4

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1.3684 python-minimal 2.7.13-2

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This package was put together by Klee Dienes <klee@debian.org> from sources from ftp.python.org:/pub/python, based on the Debianization by the previous maintainers Bernd S. Brentrup <bsb@uni-muenster.de> and Bruce Perens.

Current maintainer is Matthias Klose <doko@debian.org> until the final 2.3 version is released.

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--------------------------------------------------------------

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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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dh_python2, pycompile, pyclean and debpython module:

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1.3685 libgcrypt 1.7.6-2+deb9u3

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This package was debianized by Ivo Timmermans <ivo@debian.org> on Fri, 3 Aug 2001 10:02:38 +0200.

It was taken over by Matthias Urlichs <smurf@debian.org>, and is now maintained by Andreas Metzler <ametzler@debian.org> Eric Dorland <eric@debian.org>, James Westby <jw+debian@jameswestby.net>
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LIBGCRYPT    Werner Koch    2001-06-07
Assigns past and future changes.
Assignment for future changes terminated on 2012-12-04.
wk@gnupg.org
Designed and implemented Libgcrypt.

GNUPG Matthew Skala    1998-08-10
Disclaims changes.
mskala@ansuz.sooke.bc.ca
Wrote cipher/twofish.c.

GNUPG Natural Resources Canada    1998-08-11
Disclaims changes by Matthew Skala.
GNUPG
Michael Roth Germany 1998-09-17
Assigns changes.
mroth@nessie.de
Wrote cipher/des.c.
Changes and bug fixes all over the place.

GNUPG
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Weak key patches.

GNUPG
Rmi Guyomarch 1999-05-25
Assigns past and future changes. (g10/compress.c, g10/enctr-data.c, g10/free-packet.c, g10/mdfilter.c, g10/plaintext.c, util/iobuf.c)
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ANY g10 Code GmbH 2001-06-07
Assignment for future changes terminated on 2012-12-04.
Code marked with ChangeLog entries of g10 Code employees.

LIBGCRYPT Timo Schulz 2001-08-31
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LIBGCRYPT Simon Josefsson 2002-10-25
Assigns past and future changes to FSF (cipher/[md4,crc].c, CTR mode, CTS/MAC flags, self test improvements)
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LIBGCRYPT Moritz Schulte 2003-04-17
Assigns past and future changes.
moritz@g10code.com

GNUTLS Nikolaos Mavrogiannopoulos 2003-11-22
nmav@gnutls.org
Original code for cipher/rfc2268.c.

LIBGCRYPT The Written Word 2005-04-15
Assigns past and future changes. (new: src/libgcrypt.pc.in, src/Makefile.am, src/secmem.c, mpi/hppa1.1/mpih-mul3.S, mpi/hppa1.1/udiv-qrnd.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, tests/keygen.c, tests/pubkey.c, configure.ac, acinclude.m4)

LIBGCRYPT Brad Hards 2006-02-09
Assigns Past and Future Changes
bradh@frogmouth.net
(Added OFB mode. Changed cipher/cipher.c, test/basic.c doc/gcrypt.tex.
added SHA-224, changed cipher/sha256.c, added HMAC tests.)

LIBGCRYPT  Hye-Shik Chang  2006-09-07
Assigns Past and Future Changes
perky@freebsd.org
(SEED cipher)

LIBGCRYPT  Werner Dittmann  2009-05-20
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(mpi/amd64, tests/mpitests.c)

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LIBGCRYPT  Andrey Jivsov  2010-12-09
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LIBGCRYPT  Ulrich Mller  2012-02-15
Assigns Past and Future Changes
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LIBGCRYPT  Vladimir Serbinenko  2012-04-26
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 */

/**
 * Provides an API for method-level constraint validation, based on <a
 * href="http://jcp.org/en/jsr/detail?id=303">JSR 303: Bean Validation</a>,
 * Appendix C ("Proposal for method-level validation").
 * </p>
 *
 * The purpose of this API is to provide a facility for the <a
 * href="http://en.wikipedia.org/wiki/Programming_by_contract">Programming by
 * Contract</a> approach to program design based on the concepts defined by the
 * Bean Validation API. More specifically this means that any Bean Validation
 * constraints (built-in as well as custom constraints) can be used to describe
 * any preconditions that must be met before a method may legally be invoked (by annotating
 * method parameters with constraints) and</li>
 * any postconditions that are guaranteed after a method invocation returns (by
 * annotating methods).</li>
 * </ul>
These constraints may be declared directly on a method's parameters and/or return values. Alternatively, by annotating method parameters/return values with the special `@javax.validation.Valid` annotation a recursive validation of those parameters/return values against the constraints defined on their types can be triggered. Consider for instance the method declaration

```java
@NotNull
@Valid
Customer findCustomerByName(@NotNull @Size(min = 5) String name) {
    // ...
}
```

Here, the validation engine will check for the following pre- and postconditions (provided the method validation is triggered automatically by some integration layer, see below):

- The name parameter is guaranteed to be not null and at least 5 characters long. In particular it is not necessary for the implementor of this method to perform these checks manually.
- It is guaranteed that the call yields a non-null object, which itself is valid according to all the bean validation constraints declared on its type. In particular it is not necessary for the caller to perform these checks manually.

This service only deals with the actual validation of method parameters/return values itself, but not with the invocation of such a validation. It is expected that this invocation is triggered by an integration layer using AOP or similar method interception facilities such as the JDK's `@java.lang.reflect.Proxy` API or a CDI ("JSR 299: Contexts and Dependency Injection for the Java™ EE platform") API (the CDI would typically intercept each method call to be validated, validate the call's parameters, proceed with the method invocation and finally validate the invocation's return value. If any of the validation steps yields a non-empty set of constraint violations the integration layer would typically throw a `@javax.validation.ConstraintViolationException` wrapping these violations which in turn guarantees that the call flow only arrives at the method's implementation respectively call site if all pre- respectively postconditions are fulfilled.
* `<p>`
* `<p>`
* `<code>`MethodValidator</code>` instances are obtained by
* `{ @link javax.validation.Validator#unwrap(Class) unwrapping} a `{ @link javax.validation.Validator} object:
* `<p>`
* `<pre>`
* `Validator validator = ...;
* MethodValidator methodValidator = validator.unwrap(MethodValidator.class);`
* `<pre>`
* `<p>`
* `<p>`
* Method level validation is (currently) a proprietary feature of Hibernate
* Validator (HV), so the unwrapped `<code>`Validator</code>` instance
* `<em>`must</em>` be HV's implementation. In case there are multiple Bean
* Validation implementations on the classpath, this can be done be explicitly
* choosing HV as validation provider:
* `<p>`
* `<pre>`
* `MethodValidator methodValidator = Validation.byProvider(HibernateValidator.class)
* .configure()
* .buildValidatorFactory()
* .getValidator()
* .unwrap(MethodValidator.class);`
* `<pre>`
* `<p>`
* `<p>`
* If not stated otherwise, none of this interface's methods allow
* `<code>`null</code>` as parameter value.
* `<p>`
* *
* `@author Gunnar Morling`
* `*/`

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jar/org/hibernate/validator/method/MethodValidator.java`
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  jar/org/hibernate/validator/engine/ConfigurationImpl.java
* /opt/cola/permits/1124805193_1611179452.24/0/hibernate-validator-4-2-0-final-sources-2-
  jar/org/hibernate/validator/util/annotationfactory/AnnotationDescriptor.java
* /opt/cola/permits/1124805193_1611179452.24/0/hibernate-validator-4-2-0-final-sources-2-
  jar/org/hibernate/validator/engine/StandardValidationContext.java
* /opt/cola/permits/1124805193_1611179452.24/0/hibernate-validator-4-2-0-final-sources-2-
  jar/org/hibernate/validator/engine/MethodReturnValueNodeImpl.java
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* /opt/cola/permits/1124805193_1611179452.24/0/hibernate-validator-4-2-0-final-sources-2-
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  jar/org/hibernate/validator/engine/ValidatorFactoryImpl.java
* /opt/cola/permits/1124805193_1611179452.24/0/hibernate-validator-4-2-0-final-sources-2-
  jar/org/hibernate/validator/constraints/impl/ScriptAssertValidator.java
* /opt/cola/permits/1124805193_1611179452.24/0/hibernate-validator-4-2-0-final-sources-2-
  jar/org/hibernate/validator/constraints/impl/FutureValidatorForReadableInstant.java
* /opt/cola/permits/1124805193_1611179452.24/0/hibernate-validator-4-2-0-final-sources-2-
  jar/org/hibernate/validator/constraints/impl/FutureValidatorForReadablePartial.java

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* /opt/cola/permits/1124805193_1611179452.24/0/hibernate-validator-4-2-0-final-sources-2-jar/org/hibernate/validator/util/annotationfactory/package.html
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* /opt/cola/permits/1124805193_1611179452.24/0/hibernate-validator-4-2-0-final-sources-2-jar/org/hibernate/validator/package.html
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* /opt/cola/permits/1124805193_1611179452.24/0/hibernate-validator-4-2-0-final-sources-2-jar/org/hibernate/validator/engine/groups/package.html
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* /opt/cola/permits/1124805193_1611179542.24/0/hibernate-validator-4-2-0-final-sources-2-jar/org/hibernate/validator/method/metadata/ParameterDescriptor.java
* /opt/cola/permits/1124805193_1611179542.24/0/hibernate-validator-4-2-0-final-sources-2-jar/org/hibernate/validator/method/metadata/ParameterDescriptorImpl.java
* /opt/cola/permits/1124805193_1611179542.24/0/hibernate-validator-4-2-0-final-sources-2-jar/org/hibernate/validator/cfg/context/impl/ConfiguredConstraint.java
* /opt/cola/permits/1124805193_1611179542.24/0/hibernate-validator-4-2-0-final-sources-2-jar/org/hibernate/validator/method/MethodConstraintViolationException.java
* /opt/cola/permits/1124805193_1611179542.24/0/hibernate-validator-4-2-0-final-sources-2-jar/org/hibernate/validator/metadata/AggregatedMethodMetaData.java
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* /opt/cola/permits/1124805193_1611179452.24/0/hibernate-validator-4-2-0-final-sources-2.jar/org/hibernate/validator/util/IteratorEnumeration.java
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* /opt/cola/permits/1124805193_1611179452.24/0/hibernate-validator-4-2-0-final-sources-2-jar/org/hibernate/validator/group/GroupSequenceProvider.java
* /opt/cola/permits/1124805193_1611179452.24/0/hibernate-validator-4-2-0-final-sources-2-jar/org/hibernate/validator/cfg/context/MethodConstraintMappingContext.java
* /opt/cola/permits/1124805193_1611179452.24/0/hibernate-validator-4-2-0-final-sources-2-jar/org/hibernate/validator/cfg/context/impl/ConstraintMappingContextImplBase.java
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* /opt/cola/permits/1124805193_1611179452.24/0/hibernate-validator-4-2-0-final-sources-2-jar/org/hibernate/validator/cfg/context/ReturnValueTarget.java

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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

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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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@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
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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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This option is useful when you wish to copy part of the code of
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a) Accompany the work with the complete corresponding 
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That's all there is to it!
GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009
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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

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.

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@end c man end

This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

**HISTORY** -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U.,
the University of Washington, Rice University (where it was first used for
C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant
contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in
README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser.
The Encore Multimax modifications were supplied by
Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely
due to Vernon Lee, on machines made available to Rice by IBM.

Much of the HP specific code and a number of good suggestions for improving the
generic code are due to Walter Underwood.

Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.
Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk)
subsequently provided updates and information on variation between ULTRIX
systems. Parag Patel (parag@netcom.com) supplied the A/UX code.

Jesper Peterson (jep@mtiame.mtia.oz.au), Michel Schinz, and
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.

Thomas Funke (thf@zelator.in-berlin.de(?)) and
Brian D. Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.

Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.

Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and

Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and

dave Detlefs (detlefs@src.dec.com) also provided several generic bug fixes.

Alistair G. Crooks (agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports.

Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.

Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to

a Motorola 88K processor running CX/UX (Harris NightHawk).

Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to

nonIBM development environments (a nontrivial task).

Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.

David Chase, then at Olivetti Research, suggested several improvements.

Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the
code to save and print call stacks for leak detection on a SPARC.

Jesse Hull and John Ellis supplied the C++ interface code.

Zhong Shao performed much of the experimentation that led to the
current typed allocation facility. (His dynamic type inference code hasn't
made it into the released version of the collector, yet.)

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*m4/ax_func_which_gethostbyname_r.m4

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* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-
  jar/org/bson/internal/UnsignedLongs.java
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  jar/org/bson/BsonRegularExpression.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-
  jar/org/bson/codecs/BsonNullCodec.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-
  jar/org/bson/codecs/BsonDocumentWrapperCodec.java
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* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/json/ExtendedJsonMinKeyConverter.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/pojo/package-info.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/io/package-info.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/types/ObjectId.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/util/package-info.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/EmptyBSONCallback.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/json/ShellMaxKeyConverter.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/internal/LazyCodec.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/ByteBuf.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/json/ShellBinaryConverter.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/configuration/CodecConfigurationException.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/pojo/PojoBuilderHelper.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/pojo/InstanceCreatorFactoryImpl.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/BsonDocumentCodec.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/BsonDBPointerCodec.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/FieldNameValidator.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/pojo/ClassModel.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/pojo/Transformer.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/pojo/TypeWithTypeParameters.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/BsonJavaScriptWithScope.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/ObjectIdCodec.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/diagnostics/Logger.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/Decimal128Codec.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/BigDecimalCodec.java

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* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/BsonContextType.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/BsonReaderMark.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/json/StrictCharacterStreamJsonWriterSettings.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/internal/OverridableUuidRepresentationCodecRegistry.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/CodeWithScopeCodec.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/CharacterCodec.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/BasicBSONObject.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/BsonBoolean.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/BsonArray.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/pojo/ClassModelBuilder.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/json/JsonParseException.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/ClassMap.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/BsonDateTimeCodec.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/json/LegacyExtendedJsonBinaryConverter.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/MaxKeyCodec.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/json/ShellUndefinedConverter.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/BsonBinaryWriterSettings.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/RawBsonDocumentCodec.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/BsonTimestampCodec.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/pojo/annotations/BsonId.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/types/Decimal128.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/json/JsonWriter.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/pojo/PojoCodecProvider.java
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* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/internal/ProvidersCodecRegistry.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/json/ShellDecimal128Converter.java
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* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bsonDocumentReader.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/Optional.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/configuration/MapOfCodecsProvider.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/io/BsonInput.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/BsonElement.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/BsonStringCodec.java
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* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/json/JsonSymbolConverter.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/types/StringRangeSet.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/AtomicBooleanCodec.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/pojo/annotations/BsonCreator.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/pojo/InstanceCreator.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/pojo/InstanceCreatorImpl.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/OverridableUuidRepresentationUuidCodec.java
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* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/pojo/IdGenerator.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/pojo/IdPropertyModelHolder.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/BsonCodec.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/pojo/ConventionObjectIdGeneratorsImpl.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/BsonCodecProvider.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/jsr310/Jsr310CodecProvider.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/jsr310/InstantCodec.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/jsr310/LocalDateTimeCodec.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/jsr310/LocalDateCodec.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/jsr310/LocalTimeCodec.java

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* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/jsr310/InstantCodec.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/jsr310/LocalDateTimeCodec.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/jsr310/LocalDateCodec.java
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#+TITLE: List of code with permissive licenses as used by GnuPG.
#+STARTUP: showall

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

--------------------------------------------------------------------------------

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1.3701 python-minimal 2.7.12 1~16.04

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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.

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* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources-jar/io/netty/channel/sctp/SctpServerChannelConfig.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources-jar/io/netty/channel/sctp/SctpMessage.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources-jar/io/netty/channel/sctp/nio/NioSctpChannel.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources-jar/io/netty/channel/sctp/nio/NioSctpServerChannel.java

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* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources-
jar/io/netty/channel/pool/AbstractChannelPoolMap.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources-
jar/io/netty/channel/epoll/EpollMode.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources-
jar/io/netty/channel/epoll/EpollChannelConfig.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources-
jar/io/netty/channel/epoll/EpollDomainSocketChannelConfig.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources-
jar/io/netty/handler/ssl/ApplicationProtocolNames.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources-
jar/io/netty/handler/codec/http/cookie/DefaultCookie.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources-
jar/io/netty/handler/codec/http/cookie/CookieUtil.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources-
jar/io/netty/handler/codec/http/cookie/Cookie.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-channel/pool/SimpleChannelPool.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-channel/pool/ApplicationProtocolAccessors.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-channel/pool/ApplicationProtocolDetectionResult.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-channel/pool/ApplicationProtocolNegotiationHandler.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-channel/pool/ChannelPoolHandler.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-channel/pool/package-info.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources-jar/io/netty/channel/pool/PoolArenaMetric.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources-jar/io/netty/channel/PoolSubpageMetric.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources-jar/io/netty/channel/pool/package-info.java
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jar/io/netty/channel/pool/AbstractChannelPoolHandler.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources.jar/io/netty/buffer/PooledDuplicatedByteBuf.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources.jar/io/netty/util/concurrent/AbstractScheduledEventExecutor.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources.jar/io/netty/channel/pool/ChannelHealthChecker.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources.jar/io/netty/channel/unix/FileDescriptor.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources.jar/io/netty/channel/unix/DomainSocketChannel.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources.jar/io/netty/handler/codec/http/cookie/CookieHeaderNames.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources.jar/io/netty/handler/codec/http/cookie/CookieDecoder.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources.jar/io/netty/channel/epoll/EpollServerDomainSocketChannel.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources.jar/io/netty/handler/codec/http/cookie/CookieUtil.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources.jar/io/netty/handler/codec/http/cookie/CookieEncoder.java

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* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources.jar/io/netty/handler/traffic/AbstractTrafficShapingHandler.java

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* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources.jar/io/netty/util/internal/RecyclableMpscLinkedQueueNode.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources.jar/io/netty/buffer/UnsafeDirectSwappedByteBuf.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources.jar/io/netty/channel/DefaultChannelHandlerContext.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources.jar/io/netty/util/concurrent/FastThreadLocalThread.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources.jar/io/netty/util/internal/Cleaner0.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.
* */
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.

BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)

BEFORE DECODE (14 bytes) AFTER DECODE (12 bytes)

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.

BEFORE DECODE (14 bytes) AFTER DECODE (12 bytes)

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 length field. 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
*
* BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
* +--------+----------------+      +--------+----------------+
* | Length | Actual Content |----->| Length | Actual Content |
* | 0x000E | "HELLO, WORLD" |      | 0x000E | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
* </pre>
*
* 3 bytes length field at the end of 5 bytes header, do not strip header</h3>
* 
* 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>
*
* 3 bytes length field at the beginning of 5 bytes header, do not strip header</h3>
* 
* 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)
* +----------------------------------+
* | Header 1 | Length | Actual Content |----->| Header 1 | Length | Actual Content |
* | 0xCAFE  | 0x00000C | "HELLO, WORLD" |      | 0xCAFE  | 0x00000C | "HELLO, WORLD" |
* +----------------------------------+
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 \texttt{lengthFieldOffset} and the extra header affects the \texttt{lengthAdjustment}. We also specified a non-zero length field and the prepended header from the frame. If you don't want to strip the prepended header, you could specify \texttt{0} for \texttt{initialBytesToStrip}.

\begin{pre}
\texttt{lengthFieldOffset = 1 (= the length of HDR1)}
\texttt{lengthFieldLength = 2}
\texttt{<b>lengthAdjustment</b> = <b>1</b> (= the length of HDR2)}
\texttt{<b>initialBytesToStrip</b> = <b>3</b> (= the length of HDR1 + LEN)}
\end{pre}

\begin{pre}
\texttt{BEFORE DECODE (16 bytes) \hspace{1cm} AFTER DECODE (13 bytes)}
\end{pre}

\begin{pre}
\texttt{| HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |}
\texttt{| 0xCA | 0x000C | 0xFE | "HELLO, WORLD" | 0xFE | "HELLO, WORLD" |}
\end{pre}

\begin{pre}
\texttt{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 \texttt{lengthAdjustment}. 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.}
\end{pre}

\begin{pre}
\texttt{lengthFieldOffset = 1}
\texttt{lengthFieldLength = 2}
\texttt{<b>lengthAdjustment</b> = <b>-3</b> (= the length of HDR1 + LEN, negative)}
\texttt{<b>initialBytesToStrip</b> = <b>3</b>}
\end{pre}

\begin{pre}
\texttt{BEFORE DECODE (16 bytes) \hspace{1cm} AFTER DECODE (13 bytes)}
\end{pre}

\begin{pre}
\texttt{| HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |}
\texttt{| 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" | 0xFE | "HELLO, WORLD" |}
\end{pre}
Found in path(s):
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources-
  jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java

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 */

// Try the OpenJDK's proprietary implementation.

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  jar/io/netty/handler/ssl/util/SelfSignedCertificate.java

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* /opt/cola/permits/1124923485_1611197923.61/io/netty/all-4-0-29-final-sources-jar/io/netty/handler/codec/serialization/ClassLoaderClassResolver.java
* /opt/cola/permits/1124923485_1611197923.61/io/netty/all-4-0-29-final-sources-jar/io/netty/util/UniqueName.java
* /opt/cola/permits/1124923485_1611197923.61/io/netty/channel/local/LocalServerChannel.java
* /opt/cola/permits/1124923485_1611197923.61/io/netty/all-4-0-29-final-sources-jar/io/netty/example/http/snoop/HttpSnoopServer.java
* /opt/cola/permits/1124923485_1611197923.61/io/netty/all-4-0-29-final-sources-jar/io/netty/handler/codec/spdy/SpdySession.java
* /opt/cola/permits/1124923485_1611197923.61/io/netty/all-4-0-29-final-sources-jar/io/netty/example/http/cors/HttpCorsServer.java
* /opt/cola/permits/1124923485_1611197923.61/io/netty/all-4-0-29-final-sources-jar/io/netty/handler/codec/package-info.java
* /opt/cola/permits/1124923485_1611197923.61/io/netty/all-4-0-29-final-sources-jar/io/netty/handler/codec/compression/Snappy.java
* /opt/cola/permits/1124923485_1611197923.61/io/netty/all-4-0-29-final-sources-jar/io/netty/channel/oio/package-info.java
* /opt/cola/permits/1124923485_1611197923.61/io/netty/all-4-0-29-final-sources-jar/io/netty/handler/timeout/ReadTimeoutException.java
* /opt/cola/permits/1124923485_1611197923.61/io/netty/all-4-0-29-final-sources-jar/io/netty/handler/codec/package-info.java
* /opt/cola/permits/1124923485_1611197923.61/io/netty/bootstrap/Bootstrap.java
* /opt/cola/permits/1124923485_1611197923.61/io/netty/handler/timeout/ReadTimeoutHandler.java
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* /opt/cola/permits/1124923485_1611197923.61/io/netty/all-4-0-29-final-sources-jar/io/netty/example/udt/echo/rendezvous/Config.java
* /opt/cola/permits/1124923485_1611197923.61/io/netty/all-4-0-29-final-sources-jar/io/netty/example/http/file/HttpStaticFileServer.java
* /opt/cola/permits/1124923485_1611197923.61/io/netty/all-4-0-29-final-sources-jar/io/netty/channel/oio/AbstractOioChannel.java
* /opt/cola/permits/1124923485_1611197923.61/io/netty/all-4-0-29-final-sources-jar/io/netty/example/portunification/PortUnificationServer.java
* /opt/cola/permits/1124923485_1611197923.61/io/netty/all-4-0-29-final-sources-
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4.0.29-final-sources.jar/io/netty/channel/socket/DefaultDatagramChannelConfig.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4.0.29-final-sources.jar/io/netty/channel/ChannelInboundHandler.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4.0.29-final-sources.jar/io/netty/handler/codec/compression/JdkZlibEncoder.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4.0.29-final-sources.jar/io/netty/example/echo/ObjectEchoClient.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4.0.29-final-sources.jar/io/netty/handler/codec/http/websocketx/package-info.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4.0.29-final-sources.jar/io/netty/handler/codec/spdy/DefaultSpdySettingsFrame.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4.0.29-final-sources.jar/io/netty/handler/codec/spdy/DefaultSpdySettingsFrame.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4.0.29-final-sources.jar/io/netty/handler/codec/http/multipart/HttpPostMultipartRequestDecoder.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4.0.29-final-sources.jar/io/netty/handler/codec/http/multipart/HttpPostMultipartRequestDecoder.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4.0.29-final-sources.jar/io/netty/handler/codec/serialization/ObjectDecoderInputStream.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4.0.29-final-sources.jar/io/netty/handler/codec/serialization/ObjectDecoderInputStream.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4.0.29-final-sources.jar/io/netty/handler/timeout/IdleStateEvent.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4.0.29-final-sources.jar/io/netty/handler/timeout/IdleStateEvent.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4.0.29-final-sources.jar/io/netty/handler/socks/SocksInitRequestDecoder.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4.0.29-final-sources.jar/io/netty/handler/socks/SocksInitRequestDecoder.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4.0.29-final-sources.jar/io/netty/channel/ChannelException.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4.0.29-final-sources.jar/io/netty/example/discard/DiscardClientHandler.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4.0.29-final-sources.jar/io/netty/example/echo/EchoClient.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4.0.29-final-sources.jar/io/netty/handler/codec/bytes/ByteArrayEncoder.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4.0.29-final-sources.jar/io/netty/handler/codec/bytes/ByteArrayEncoder.java
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* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources-jar/io/netty/util/internal/logging/JdkLogger.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources-jar/io/netty/util/internal/logging/InternalLogger.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources-jar/io/netty/util/internal/logging/CommonsLogger.java
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* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4.0.29-final-sources.jar/io/netty/util/internal/ConcurrentCircularArrayQueue.java

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*/
/**
* Enumeration of supported Base64 dialects.
* <p>
* The internal lookup tables 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/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources-jar/io/netty/channel/oio/OioByteStreamChannel.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources-jar/io/netty/channel/rxtx/RxtxChannel.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources-jar/io/netty/channel/rxtx/package-info.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources-jar/io/netty/channel/rxtx/DefaultRxtxChannelConfig.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources-jar/io/netty/channel/scctp/SctpChannelOption.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources-jar/io/netty/channel/udt/UdtServerChannel.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources-jar/io/netty/channel/rxtx/RxtxDeviceAddress.java
* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources-jar/io/netty/channel/rxtx/RxtxChannelConfig.java

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*/
/**
* Handles or intercepts a [@link ChannelInboundInvoker] or [@link ChannelOutboundInvoker] operation, and forwards it
  * to the next handler in a [@link ChannelPipeline].
  *
  * <h3>Sub-types</h3>
  *
  * [@link ChannelHandler] itself does not provide many methods. To handle a
    * a [@link ChannelInboundInvoker] or [@link ChannelOutboundInvoker] operation
    * you need to implement its sub-interfaces. There are many different sub-interfaces
    * which handles inbound and outbound operations.
    *
    * But the most useful for developers may be:
      * <ul>
        * <li>[@link ChannelInboundHandlerAdapter] handles and intercepts inbound operations</li>
        * <li>[@link ChannelOutboundHandlerAdapter] handles and intercepts outbound operations</li>
      * </ul>
    *
    * You will also find more detailed explanation from the documentation of
      * each sub-interface on how an event is interpreted when it goes upstream and
      * downstream respectively.
    *
  *
  * <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:
      *
      * <pre>
        * public interface Message {
          *     // your methods here
          * }
        *
        * public class DataServerHandler extends [@link SimpleChannelInboundHandler]<Message> {
          *
          *     private boolean loggedIn;
          *
          *     [ @code @Override ]
          *     public void channelRead0([ @link ChannelHandlerContext ] ctx, Message message) {
            *
            *         [ @link Channel ] ch = e.getChannel();
            *         if (message instanceof LoginMessage) {
              *             authenticate((LoginMessage) message);
            *           }
        *     }
        *
        *     [ @link ChannelOutboundInvoker ]
        *     public void write0([ @link ChannelOutboundInvoker ] ctx, Object message) {
          *
          *         [ @link Channel ] ch = e.getChannel();
          *         if (message instanceof LoginMessage) {
            *
            *             authenticate((LoginMessage) message);
          *         }
        *     }
      * }
      *
      * @code }
  *
<b>loggedIn = true;</b> } else (message instanceof GetDataMessage) {
    if (<b>loggedIn</b>) {
        ch.write(fetchSecret((GetDataMessage) message));
    } else {
        fail();
    }
}  // 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</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):

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("auth");

    @code @Override
    public void channelRead({@link ChannelHandlerContext} ctx, Message message) {
        @link Attribute<{@link Boolean}> attr = ctx.attr(auth);
        @link Channel} ch = ctx.channel();
if (message instanceof LoginMessage) {
    authenticate((LoginMessage) o);
    attr.set(true);
} else if (message instanceof GetDataMessage) {
    if (Boolean.TRUE.equals(attr.get())) {
        ch.write(fetchSecret((GetDataMessage) o));
    } else {
        fail();
    }
}
...
</pre>

Now that the state of the handler is attached to the ChannelHandlerContext, you can add the same handler instance to different pipelines:

public class DataServerInitializer extends ChannelInitializer<Channel> {
    private static final DataServerHandler SHARED = new DataServerHandler();

    @Override
    public void initChannel(Channel channel) {
        channel.pipeline().addLast("handler", SHARED);
    }
}

The @Sharable annotation

In the example above which used an AttributeKey, you might have noticed the @Sharable annotation.

If a ChannelHandler is annotated with the @Sharable annotation, it means you can create an instance of the handler just once and add it to one or more 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 the JCIP annotations.

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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jar/io/netty/util/internal/logging/FormattingTuple.java
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* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4.0-29-final-sources-jar/io/netty/handler/socks/SocksMessageEncoder.java
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* /opt/cola/permits/1124923485_1611197923.61/0/netty-all-4-0-29-final-sources-jar/io/netty/handler/ssl/util/ThreadLocalInsecureRandom.java
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* /opt/cola/permits/1112466724_1607091823.13/0/asm-all-repackaged-2-2-0-b21-sources-2-
  jar/org/objectweb/asm/util/ASMifierClassVisitor.java
* /opt/cola/permits/1112466724_1607091823.13/0/asm-all-repackaged-2-2-0-b21-sources-2-
  jar/org/objectweb/asm/AnnotationVisitor.java
* /opt/cola/permits/1112466724_1607091823.13/0/asm-all-repackaged-2-2-0-b21-sources-2-
  jar/org/objectweb/asm/commons/LocalVariablesSorter.java
* /opt/cola/permits/1112466724_1607091823.13/0/asm-all-repackaged-2-2-0-b21-sources-2-
  jar/org/objectweb/asm/tree/analysis/BasicVerifier.java
* /opt/cola/permits/1112466724_1607091823.13/0/asm-all-repackaged-2-2-0-b21-sources-2-
  jar/org/objectweb/asm/tree/analysis/Subroutine.java
* /opt/cola/permits/1112466724_1607091823.13/0/asm-all-repackaged-2-2-0-b21-sources-2-
  jar/org/objectweb/asm/commons/GeneratorAdapter.java
* /opt/cola/permits/1112466724_1607091823.13/0/asm-all-repackaged-2-2-0-b21-sources-2-
  jar/org/objectweb/asm/util/CheckFieldAdapter.java
* /opt/cola/permits/1112466724_1607091823.13/0/asm-all-repackaged-2-2-0-b21-sources-2-
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* /opt/cola/permits/1112466724_1607091823.13/0/asm-all-repackaged-2-2-0-b21-sources-2-
  jar/org/objectweb/asm/Item.java
* /opt/cola/permits/1112466724_1607091823.13/0/asm-all-repackaged-2-2-0-b21-sources-2-
  jar/org/objectweb/asm/tree/ClassNode.java
* /opt/cola/permits/1112466724_1607091823.13/0/asm-all-repackaged-2-2-0-b21-sources-2-
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* /opt/cola/permits/1112466724_1607091823.13/0/asm-all-repackaged-2-2-0-b21-sources-2-
  jar/org/objectweb/asm/tree/AbstractInsnNode.java
* /opt/cola/permits/1112466724_1607091823.13/0/asm-all-repackaged-2-2-0-b21-sources-2-
  jar/org/objectweb/asm/ClassAdapter.java
* /opt/cola/permits/1112466724_1607091823.13/0/asm-all-repackaged-2-2-0-b21-sources-2-
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* /opt/cola/permits/1112466724_1607091823.13/0/asm-all-repackaged-2-2-0-b21-sources-2-jar/org/objectweb/asm/tree/analysis/Analyzer.java
* /opt/cola/permits/1112466724_1607091823.13/0/asm-all-repackaged-2-2-0-b21-sources-2-jar/org/objectweb/asm/tree/FieldInsnNode.java
* /opt/cola/permits/1112466724_1607091823.13/0/asm-all-repackaged-2-2-0-b21-sources-2-jar/org/objectweb/asm/commons/StaticInitMerger.java
* /opt/cola/permits/1112466724_1607091823.13/0/asm-all-repackaged-2-2-0-b21-sources-2-jar/org/objectweb/asm/ByteVector.java
* /opt/cola/permits/1112466724_1607091823.13/0/asm-all-repackaged-2-2-0-b21-sources-2-jar/org/objectweb/asm/tree/FrameNode.java
* /opt/cola/permits/1112466724_1607091823.13/0/asm-all-repackaged-2-2-0-b21-sources-2-jar/org/objectweb/asm/tree/LabelNode.java
* /opt/cola/permits/1112466724_1607091823.13/0/asm-all-repackaged-2-2-0-b21-sources-2-jar/org/objectweb/asm/signature/SignatureVisitor.java
* /opt/cola/permits/1112466724_1607091823.13/0/asm-all-repackaged-2-2-0-b21-sources-2-jar/org/objectweb/asm/tree/LocalVariableNode.java
Found in path(s):
* /opt/cola/permits/1112466724_1607091823.13/0/asm-all-repackaged-2-2-0-b21-sources-2-jar/org/objectweb/asm/commons/InstructionAdapter.java
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  jar/org/objectweb.asm/xml/ASMContentHandler.java
* /opt/cola/permits/1112466724_1607091823.13/0/asm-all-repackaged-2-2-0-b21-sources-2-
  jar/org/objectweb.asm/xml/SAXClassAdapter.java
* /opt/cola/permits/1112466724_1607091823.13/0/asm-all-repackaged-2-2-0-b21-sources-2-
  jar/org/objectweb.asm/xml/SAXCodeAdapter.java
* /opt/cola/permits/1112466724_1607091823.13/0/asm-all-repackaged-2-2-0-b21-sources-2-
  jar/org/objectweb.asm/xml/SAXAnnotationAdapter.java
* /opt/cola/permits/1112466724_1607091823.13/0/asm-all-repackaged-2-2-0-b21-sources-2-
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* /opt/cola/permits/1112466724_1607091823.13/0/asm-all-repackaged-2-2-0-b21-sources-2-
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* /opt/cola/permits/1112466724_1607091823.13/0/asm-all-repackaged-2-2-0-b21-sources-2-
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  jar/org/objectweb/asm/xml/package.html
1.3713 hibernate-validator 5.0.0.Final

1.3714 eslint-scope 4.0.0

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1.3716 copy-concurrently 1.0.5

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1.3717 cross-spawn 6.0.5

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cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/etc/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
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"src/lib/gssapi", including the following files:

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 util.c
lib/gssapi/mechglue/g verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kproplg.c

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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Mersenne Twister

The `_random` module includes code based on a download from
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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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* configure.ac, Makefile.am: The original versions were derived from the
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    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
3a0982da308228d796df35f98d787c5cffe2bb5b6.

    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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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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* /opt/ws_local/PERMITS_SQL/1022263402_1596474251.0/0/bar-zip/bar/src/index.js

1.3735 libldap-common 2.4.45+dfsg
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From: Juan Gomez <juang@us.ibm.com>
To: Stephen Frost <sfrost@debian.org>
X-Mailer: Lotus Notes Release 5.0.2a (Intl) 23 November 1999
Subject: Re: Juan C. Gomez license in OpenLDAP Source

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* Date: Wed, 28 May 2003 10:55:44 -0700
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* In-reply-to: <20030528162613.GB8524@ns.snowman.net>
* Message-id: <5.2.0.9.0.20030528094229.02924780@127.0.0.1>
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1.3737 gggg 6.3.0-18+deb9u1

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with the Library, with the complete machine-readable "work that
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will operate properly with a modified version of the library, if
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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.

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The “source code” for a work means the preferred form of the work for making modifications to it. “Object code” means any non-source form of a work.
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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.
The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood. Robert Brazile (brazil@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@mtiame.mitia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(agg@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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* m4/ax_func_which_gethostbyname_r.m4

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Version 3.1, 31 March 2009

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1.3751 topojson-client 3.0.0
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1.3752 maglev-appctl 1.7.12

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Metadata-Version: 2.0
Name: maglev-appctl
Version: 1.7.12
Summary: Maglev Python Application Controller (1.7.12)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: click (==6.6)
Requires-Dist: click-completion (==0.2.1)
Requires-Dist: hprof2flamegraph (==0.0.6)
Requires-Dist: psutil (==5.6.6)
Requires-Dist: pyJwt (==1.5.1)
Requires-Dist: requests (==2.25.1)
Requires-Dist: toml (==0.9.2)

# Installation
+ Requires : Python 3.5 download the dmg and install, use pyenv to create a virtual environment
# How to test and develop in local mac
- Use pyenv to create a virtual env in /opt/maglev
- u can either call the activate script to activate the virtualenv

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1.3753 d3-dsv 1.1.1

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1.3754 @babel/highlight 7.0.0

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# Jackson JSON processor

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To: Stephen Frost <sfrost@debian.org>
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Subject: Re: Juan C. Gomez license in OpenLDAP Source

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1.3764 libpython3-stdlib 3.6.7 1~18.04

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This package was put together by Klee Dienes <klee@debian.org> from sources from ftp.python.org:/pub/python, based on the Debianization by the previous maintainers Bernd S. Brentrup <bsb@uni-muenster.de> and Bruce Perens.

Current maintainer is Matthias Klose <doko@debian.org> until the final 2.3 version is released.

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of
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py3compile, py3clean and debpython module:

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1.3768 babel-plugin-transform-async-generator-functions 6.24.1

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1.3769 jersey-container-servlet 2.27

1.3770 vega-force 3.0.0
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1.3772 jquery 2.1.4

1.3773 google-auth 1.0.1

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1.3775 d3-interpolate 1.1.6

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package gnu.classpath.tools.taglets;

import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.tools.doclets.Taglet;

import com.sun.javadoc.Tag;

/**
 * A simple Taglet which handles Copyright information.
 */
public class CopyrightTaglet implements Taglet {

    private static final String NAME = "copyright";
    private static final String HEADER = "Copyright:";

    public String getName() {
        return NAME;
    }
}
public boolean inField() {
    return true;
}

public boolean inConstructor() {
    return true;
}

public boolean inMethod() {
    return true;
}

public boolean inOverview() {
    return true;
}

public boolean inPackage() {
    return true;
}

public boolean inType() {
    return true;
}

public boolean isInlineTag() {
    return false;
}

public static void register(Map tagletMap) {
    CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
    tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
}

public String toString(Tag tag) {
    return toString(new Tag[] { tag });
}

public String toString(Tag[] tags) {
    if (tags.length == 0) {
        return null;
    } else {
        boolean haveValidTag = false;
        for (int i = 0; i < tags.length && !haveValidTag; ++i) {
            if (tags[i].text().length() > 0) {
                haveValidTag = true;
            }
        }
        return null;
    }
}

else {
    boolean haveValidTag = false;
    for (int i = 0; i < tags.length && !haveValidTag; ++i) {
        if (tags[i].text().length() > 0) {
            haveValidTag = true;
        }
    }
    return null;
}
```java
if (haveValidTag) {
    StringBuffer result = new StringBuffer();
    result.append("<dl>");
    for (int i = 0; i < tags.length; i++) {
        if (tags[i].text().length() > 0) {
            result.append("<dt><i>Copyright © " + tags[i].text() + "</i></dt>");
        }
    }
    result.append("</dl>");
    return result.toString();
} else {
    return null;
}
}
Jan 21, 2002

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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.

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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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Ty Coon, President of Vice

That's all there is to it!

// DO NOT EDIT THIS FILE - it is machine generated -*- c++ -*-

#ifndef __java_security_Permission__
#define __java_security_Permission__

#pragma interface

#include <java/lang/Object.h>
extern "Java"
{
  namespace java
  {
    namespace security
    {
      class Permission;
      class PermissionCollection;
    }
  }
}

#pragma interface-
class java::security::Permission : public ::java::lang::Object
{

public:
    Permission(::java::lang::String *);
    virtual void checkGuard(::java::lang::Object *);
    virtual jboolean implies(::java::security::Permission *) = 0;
    virtual jboolean equals(::java::security::Permission *) = 0;
    virtual jint hashCode() = 0;
    virtual ::java::lang::String * getName();
    virtual ::java::lang::String * getActions() = 0;
    virtual ::java::security::PermissionCollection * newPermissionCollection();
    virtual ::java::lang::String * toString();

private:
    static const jlong serialVersionUID = -5636570222231596674LL;
    ::java::lang::String *__attribute__((aligned(__alignof__(::java::lang::Object)))) name;

public:
    static ::java::lang::Class class$;
};

#endif // __java_security_Permission__

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@c Set file name and title for man page.
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@settitle GNU General Public License
@c man begin SEEALSO
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@c man end
/* Permission.java -- The superclass for all permission objects

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exception statement from your version. */

package java.security;

import gnu.java.lang.CPStringBuilder;

import java.io.Serializable;

/**
 * This class is the abstract superclass of all classes that implement
 * the concept of a permission. A permission consists of a permission name
 * and optionally a list of actions that relate to the permission. The
 * actual meaning of the name of the permission is defined only in the
 * context of a subclass. It may name a resource to which access permissions
 * are granted (for example, the name of a file) or it might represent
 * something else entirely. Similarly, the action list only has meaning
 * within the context of a subclass. Some permission names may have no
 * actions associated with them. That is, you either have the permission
 * or you don't.
 *
 * <p>The most important method in this class is <code>implies</code>. This
 * checks whether if one has this permission, then the specified
 * permission is also implied. As a conceptual example, consider the
 * permissions "Read All Files" and "Read File foo". The permission
 * "Read All Files" implies that the caller has permission to read the
 * file foo.
public abstract class Permission implements Guard, Serializable {

    private static final long serialVersionUID = -5636570222231596674L;

    private String name;

    public Permission(String name) {
        this.name = name;
    }

    public void checkGuard(Object obj) {
        // Check permission
    }
}
SecurityManager sm = System.getSecurityManager();
if (sm != null)
    sm.checkPermission(this);
}

/**
 * This method tests whether this <code>Permission</code> implies that the
 * specified <code>Permission</code> is also granted.
 * *
 * @param perm the <code>Permission</code> to test against
 * @return true if perm is implied by this
 */
public abstract boolean implies(Permission perm);

/**
 * Check to see if this object equals obj. Use <code>implies</code>, rather
 * than <code>equals</code>, when making access control decisions.
 * *
 * @param obj the object to compare to
 */
public abstract boolean equals(Object obj);

/**
 * This method returns a hash code for this <code>Permission</code>. It
 * must satisfy the contract of <code>Object.hashCode</code>: it must be
 * the same for all objects that equals considers to be the same.
 * *
 * @return a hash value
 */
public abstract int hashCode();

/**
 * Get the name of this <code>Permission</code>.
 * *
 * @return the name
 */
public final String getName()
{
    return name;
}

/**
 * This method returns the list of actions for this <code>Permission</code>
 * as a <code>String</code>. The string should be in canonical order, for
 * example, both <code>new FilePermission(f, "write,read")</code> and
 * <code>new FilePermission(f, "read,write")</code> have the action list
 * "read,write".
 * */
@return the action list for this Permission
*/
public abstract String getActions();

/**
 * This method returns an empty PermissionCollection object that can store permissions of this type, or null if no such collection is defined. Subclasses must override this to provide an appropriate collection when one is needed to accurately calculate <code>implies</code>.
 * @return a new PermissionCollection
 */
public PermissionCollection newPermissionCollection()
{
    return null;
}

/**
 * This method returns a String representation of this Permission object. This is in the format:
 * (className ' ' name ' ' actions)
 * @return this object as a String
 */
public String toString()
{
    CPStringBuilder string = new CPStringBuilder();
    string = string.append('(');
    string = string.append(getClass().getName());
    string = string.append(' ');
    string = string.append(getName());
    if (!(getActions().equals('')))
    {
        string = string.append(' ');
        string = string.append(getActions());
    }
    string = string.append(')');
    return string.toString();
} // class Permission

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#!/usr/bin/python
#
# Copyright (C) 2013 Free Software Foundation, Inc.
#
# This script is free software; you can redistribute it and/or modify
# it under the terms of the GNU General Public License as published by
# the Free Software Foundation; either version 3, or (at your option)
# any later version.
#
# This script adjusts the copyright notices at the top of source files
# so that they have the form:
#
# Copyright XXXX-YYYY Free Software Foundation, Inc.
#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
# update-copyright.pl --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
# update-copyright.pl --this-year libjava
#
# would run the script on just libjava/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__ (self):
        self.num_errors = 0

def report (self, filename, string):
    if filename:
        string = filename + ': ' + string
    sys.stderr.write (string + '
')
    self.num_errors += 1

def ok (self):
    return self.num_errors == 0

class GenericFilter:
    def __init__ (self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set (
            # Skip licence files.
            ['COPYING',
             'COPYING-LIB',
             'COPYING3',
            ]
        )
'COPYING3.LIB',
'LICENSE',
'fdl.texi',
'gpl_v3.texi',
'fdl-1.3.xml',
'gpl-3.0.xml',

# Skip auto- and libtool-related files
'aclocal.m4',
'compile',
'config.guess',
'config.sub',
'depcomp',
'install-sh',
'libtool.m4',
'ltmain.sh',
'ltotmsion.m4',
'ltversion.m4',
'ltobsolete.m4',
'missing',
'mkdep',
'mkinstalldirs',
'move-if-change',
'shlibpath.m4',
'symlink-tree',
'ylwrap',

# Skip FSF mission statement, etc.
'gnu.texi',
'funding.texi',
'appendix_free.xml',

# Skip imported texinfo files.
'texinfo.tex',
}

def get_line_filter (self, dir, filename):
if filename.startswith ('ChangeLog'):
    # Ignore references to copyright in changelog entries.
    return re.compile ('	')
return None

def skip_file (self, dir, filename):
if filename in self.skip_files:
    return True

def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile ('\t')
    return None

def skip_file (self, dir, filename):
    if filename in self.skip_files:
        return True
(base, extension) = os.path.splitext(os.path.join(dir, filename))
if extension in self.skip_extensions:
    return True

if extension == '.in':
    # Skip .in files produced by automake.
    if os.path.exists(base + '.am'):
        return True

    # Skip files produced by autogen
    if (os.path.exists(base + '.def')
        and os.path.exists(base + '.tpl')):
        return True

    # Skip configure files produced by autoconf
    if filename == 'configure':
        if os.path.exists(base + '.ac'):
            return True
        if os.path.exists(base + '.in'):
            return True

    return False

def skip_dir(self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file(self, dir, filename):
    if filename in self.fossilised_files:
        return True

    # Only touch current ChangeLogs.
    if filename != 'ChangeLog' and filename.find('ChangeLog') >= 0:
        return True

    return False

def by_package_author(self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__(self, errors):
        self.errors = errors

        # Characters in a range of years. Include '.' for typos.
        ranges = '[0-9]\[.-0-9,\s]*[0-9]'

        # Non-whitespace characters in a copyright holder's name.
        name = '\[\w,\-\]'
# Matches one year.
self.year_re = re.compile('[0-9]+')

# Matches part of a year or copyright holder.
self.continuation_re = re.compile(ranges + '|' + name)

# Matches a full copyright notice:
self.copyright_re = re.compile(
    # 1: 'Copyright (C)', etc.
    '(?i)Copyright'    # Matches part of a year or copyright holder.
    '|'                  # Matches part of a year or copyright holder.
    '(?i)Copyright\s+'  # Matches part of a year or copyright holder.
    '(' + name + '\s+' + name + ')*')  # Matches part of a year or copyright holder.

# A regexp for notices that might have slipped by. Just matching
# 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
# HTML header markers, so check for 'copyright' and two digits.
self.other_copyright_re = re.compile('copyright.*[0-9]', re.IGNORECASE)

self.comment_re = re.compile('#+|[*]+|;+|%+|//+|@c |dnl ')  # Matches part of a year or copyright holder.

self.holders = { '@copying': '@copying' }  # Matches part of a year or copyright holder.

# True to 'quilt add' files before changing them.
self.use_quilt = False  # Matches part of a year or copyright holder.

# If set, force all notices to include this year.
self.max_year = None  # Matches part of a year or copyright holder.

# Goes after the year(s). Could be ', '.
self.separator = ''
def add_package_author(self, holder, canon_form=None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find(' ')
    while index >= 0:
        self.holder_prefixes.add(holder[:index])
        index = holder.find(' ', index + 1)

def add_external_author(self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__(self, year):
        self.year = year
    def __str__(self):
        return 'unrecognised year: ' + self.year

def parse_year(self, string):
    year = int(string)
    if len(string) == 2:
        if year > 70:
            return year + 1900
        elif len(string) == 4:
            return year
    raise self.BadYear(string)

def year_range(self, years):
    year_list = [self.parse_year(year)
                 for year in self.year_re.findall(years)]
    assert len(year_list) > 0
    return (min(year_list), max(year_list))

def set_use_quilt(self, use_quilt):
    self.use_quilt = use_quilt

def include_year(self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years(self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith('@value'):
        return years
    (min_year, max_year) = self.year_range(years)
# Update the upper bound, if enabled.
if self.max_year and not filter.is_fossilised_file (dir, filename):
    max_year = max (max_year, self.max_year)

# Use a range.
if min_year == max_year:
    return '%d' % min_year
else:
    return '%d-%d' % (min_year, max_year)

def strip_continuation (self, line):
    line = line.lstrip()
    match = self.comment_re.match (line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete (self, match):
    holder = match.group (4)
    return (holder
        and (holder not in self.holder_prefixes
            or holder in self.holders))

def update_copyright (self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join (dir, filename)

    intro = match.group (1)
    if intro.startswith ('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end (2):].strip()
        if after_years != ':
            self.errors.report (pathname,
                'trailing characters in @set: ' + after_years)
            return (False, orig_line, next_line)
        else:
            # If it looks like the copyright is incomplete, add the next line.
            while not self.is_complete (match):
                try:
                    next_line = file.next()
                except StopIteration:
                    break

            # If the next line doesn’t look like a proper continuation,
            # assume that what we’ve got is complete.
            continuation = self.strip_continuation (next_line)
if not self.continuation_re.match(continuation):
    break

# Merge the lines for matching purposes.
orig_line += next_line
line = line.rstrip() + ' ' + continuation
next_line = None

# Rematch with the longer line, at the original position.
match = self.copyright_re.match(line, match.start())
assert match

holder = match.group(4)

# Use the filter to test cases where markup is getting in the way.
if filter.by_package_author(dir, filename):
    assert holder not in self.holders

elif not holder:
    self.errors.report(pathname, 'missing copyright holder')
    return(False, orig_line, next_line)

elif holder not in self.holders:
    self.errors.report(pathname, 'unrecognised copyright holder: ' + holder)
    return(False, orig_line, next_line)

else:
    # See whether the copyright is associated with the package
    # author.
    canon_form = self.holders[holder]
    if not canon_form:
        return(False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
    line = (line[:match.start(4)]
            + canon_form
            + line[match.end(4):])

    # Remove any 'by'
    line = line[:match.start(3)] + line[match.end(3):]

    # Update the copyright years.
    years = match.group(2).strip()
    try:
        canon_form = self.canonicalise_years(dir, filename, filter, years)
    except self.BadYear as e:
        self.errors.report(pathname, str(e))
def process_file(self, dir, filename, filter):
    pathname = os.path.join(dir, filename)
    if filename.endswith('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove(pathname)
        except OSError:
            pass
        return
    lines = []
    changed = False
    line_filter = filter.get_line_filter(dir, filename)
    with open(pathname, 'r') as file:
        prev = None
        for line in file:
            next_line = None
            # Leave filtered-out lines alone.
            if not (line_filter and line_filter.match(line)):
                match = self.copyright_re.search(line)
                if match:
                    res = self.update_copyright(dir, filename, filter,
                                                 file, line, match)
                    (this_changed, line, next_line) = res
                    changed = changed or this_changed
                # Check for copyright lines that might have slipped by.
                elif self.other_copyright_re.search(line):
...
self.errors.report (pathname,
    'unrecognised copyright: %s'
    % line.strip())
lines.append (line)
line = next_line

# If something changed, write the new file out.
if changed and self.errors.ok():
    tmp_pathname = pathname + '.tmp'
with open (tmp_pathname, 'w') as file:
    for line in lines:
        file.write (line)
if self.use_quilt:
    subprocess.call (["quilt", 'add', pathname])
o.rename (tmp_pathname, pathname)

def process_tree (self, tree, filter):
    for (dir, subdirs, filenames) in os.walk (tree):
        # Don't recurse through directories that should be skipped.
        for i in xrange (len (subdirs) - 1, -1, -1):
            if filter.skip_dir (dir, subdirs[i]):
                del subdirs[i]

        # Handle the files in this directory.
        for filename in filenames:
            if filter.skip_file (dir, filename):
                sys.stdout.write ('Skipping %s
' % os.path.join (dir, filename))
            else:
                self.process_file (dir, filename, filter)

class CmdLine:
    def __init__ (self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright (self.errors)
        self.dirs = []
        self.default_dirs = []
        self.chosen_dirs = []
        self.option_handlers = dict()
        self.option_help = []

        self.add_option ('--help', 'Print this help', self.o_help)
        self.add_option ('--quilt', '"quilt add" files before changing them',
            self.o_quilt)
        self.add_option ('--this-year', 'Add the current year to every notice',
            self.o_this_year)

def add_option (self, name, help, handler):
def add_dir (self, dir, filter = GenericFilter()):
    self.dirs.append ((dir, filter))

def o_help (self, option = None):
    sys.stdout.write ('Usage: %s [options] dir1 dir2...

    Options:
    ' % sys.argv[0])
    format = '%-15s %s
    for (what, help) in self.option_help:
        sys.stdout.write (format % (what, help))
    sys.stdout.write ('
Directories:
    format = '%-25s
    i = 0
    for (dir, filter) in self.dirs:
        i += 1
        if i % 3 == 0 or i == len (self.dirs):
            sys.stdout.write (dir + '\n')
        else:
            sys.stdout.write (format % dir)
    sys.exit (0)

def o_quilt (self, option):
    self.copyright.set_use_quilt (True)

def o_this_year (self, option):
    self.copyright.include_year (time.localtime().tm_year)

def main (self):
    for arg in sys.argv[1:]:
        if arg[:1] != '-':
            self.chosen_dirs.append (arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg] (arg)
        else:
            self.errors.report (None, 'unrecognised option: ' + arg)
    if self.errors.ok():
        if len (self.chosen_dirs) == 0:
            self.chosen_dirs = self.default_dirs
        if len (self.chosen_dirs) == 0:
            self.o_help()
        else:
            for chosen_dir in self.chosen_dirs:
                canon_dir = os.path.join (chosen_dir, '')
                count = 0
                for (dir, filter) in self.dirs:
if (dir + os.sep).startswith (canon_dir):
    count += 1
    self.copyright.process_tree (dir, filter)
if count == 0:
    self.errors.report (None, 'unrecognised directory: ' + chosen_dir)
    sys.exit (0 if self.errors.ok() else 1)

#----------------------------------------------------------------------------
class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True

class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    def skip_file (self, dir, filename):
        if filename.endswith ('.m4'):
            pathname = os.path.join (dir, filename)
            with open (pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find ('gettext-') >= 0:
                    return True
            return GenericFilter.skip_file (self, dir, filename)

class GCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set (
            # Not part of GCC
            'math-68881.h',
        )

        self.skip_dirs |= set (
            # Better not create a merge nightmare for the GNAT folks.
            'ada',
            # Handled separately.
            'testsuite',
        )

        self.skip_extensions |= set (
            # Maintained by the translation project.
            '.po',
        )
# Automatically-generated.
'.pot',
])

self.fossilised_files |= set (
    # Old news won't be updated.
    'ONEWS',
})

class TestsuiteFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set (
            # Don't change the tests, which could be woend by anyone.
            '.c',
            '.C',
            '.cc',
            '.h',
            '.hs',
            '.f',
            '.f90',
            '.go',
            '.inc',
            '.java',
        )

    def skip_file (self, dir, filename):
        # g++.niklas/README contains historical copyright information
        # and isn't updated.
        if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
            return True
        return GenericFilter.skip_file (self, dir, filename)

class LibCppFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set (
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        )

class LibGCCFilter (GenericFilter):
    def __init__ (self):
GenericFilter.__init__(self)

self.skip_dirs |= set([
    # Imported from GLIBC.
    'soft-fp',
])

class LibJavaFilter(GenericFilter):
def __init__(self):
    GenericFilter.__init__(self)

    self.skip_dirs |= set([
        # Handled separately.
        'testsuite',

        # Not really part of the library
        'contrib',

        # Handled separately.
        'classpath',
        'libltdl',
    ])

def get_line_filter(self, dir, filename):
    if filename == 'NameDecoder.h':
        return re.compile('.*NAME_COPYRIGHT')
    if filename == 'ICC_Profile.h':
        return re.compile('.*icSigCopyrightTag')
    return GenericFilter.get_line_filter(self, dir, filename)

class LibMudflapFilter(GenericFilter):
def __init__(self):
    GenericFilter.__init__(self)

    self.skip_dirs |= set([
        # Handled separately.
        'testsuite',
    ])

class LibStdCxxFilter(GenericFilter):
def __init__(self):
    GenericFilter.__init__(self)

    self.skip_files |= set([
        # Contains no copyright of its own, but quotes the GPL.
        'intro.xml',
    ])
self.skip_dirs |= set([
    # Contains automatically-generated sources.
    'html',

    # The testsuite data files shouldn't be changed.
    'data',

    # Contains imported images
    'images',
])

self.own_files |= set([
    # Contains markup around the copyright owner.
    'spine.xml',
])

def get_line_filter(self, dir, filename):
    if filename == 'boost_concept_check.h':
        return re.compile('// (C) Copyright Jeremy Siek')
    return GenericFilter.get_line_filter(self, dir, filename)

class GCCCopyright(Copyright):
    def __init__(self, errors):
        Copyright.__init__(self, errors)

canon_fsf = 'Free Software Foundation, Inc.'
self.add_package_author('Free Software Foundation', canon_fsf)
self.add_package_author('Free Software Foundation.', canon_fsf)
sel...
class GCCCmdLine (CmdLine):
    def __init__ (self):
        CmdLine.__init__(self, GCCCopyright)

        self.add_dir ('.', TopLevelFilter())
        # boehm-gc is imported from upstream.
        self.add_dir ('config', ConfigFilter())
        # contrib isn't really part of GCC.
        self.add_dir ('fixincludes')
        self.add_dir ('gcc', GCCFilter())
        self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir ('gnatools')
        self.add_dir ('include')
        self.add_dir ('libada')
        self.add_dir ('libatomic')
        self.add_dir ('libbacktrace')
        self.add_dir ('libcpp', LibCppFilter())
        self.add_dir ('libdecnumber')
        # libffi is imported from upstream.
        self.add_dir ('libgcc', LibGCCFilter())
        self.add_dir ('libgfortran')
        self.add_dir ('libgomp')
        self.add_dir ('libiberty')
        self.add_dir ('libitm')
        self.add_dir ('libobjc')
        self.add_dir ('libquadmath')
        # libsanitiser is imported from upstream.
        self.add_dir ('libssp')
        self.add_dir ('libstdc++-v3', LibStdCxxFilter())
self.add_dir ('lto-plugin')
# zlib is imported from upstream.

self.default_dirs = [
    'gcc',
    'libada',
    'libatomic',
    'libbacktrace',
    'libc++',
    'libdecnumber',
    'libgcc',
    'libgfortran',
    'libgomp',
    'libitm',
    'libmudflap',
    'libobjc',
    'libstdc++-v3',
]

GCCCmdLine().main()
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Version 3.1, 31 March 2009

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That's all there is to it!

1java/security/acl/Permissionjava/lang/Objectequals(Ljava/lang/Object;)ZtoString()Ljava/lang/String;SourceFilePermission.java
/* Definitions for BSD assembler syntax for Intel 386
   (actually AT&T syntax for insns and operands,
   adapted to BSD conventions for symbol names and debugging.)
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   <http://www.gnu.org/licenses/>.  */

/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using
underscores, we are using prefix "."s to identify labels that should
be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line
   that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE,SIZE) \

fprintf (FILE, "\t.space "HOST_WIDE_INT_PRINT_UNSIGNED"\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line
to define a global common symbol. */

#define ASM_OUTPUT_COMMON (FILE, NAME, SIZE, ROUNDED) \ 
( fputs (".comm ", (FILE)),\ 
 assemble_name ((FILE), (NAME)),\ 
 fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line
to define a local common symbol. */

#define ASM_OUTPUT_LOCAL (FILE, NAME, SIZE, ROUNDED) \ 
( fputs (".lcomm ", (FILE)),\ 
 assemble_name ((FILE), (NAME)),\ 
 fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL (FILE, NAME, SIZE, ALIGNMENT) \ 
( fputs (".lcomm ", (FILE)),\ 
 assemble_name ((FILE), (NAME)),\ 
 fprintf (FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line
that says to advance the location counter
to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN (FILE,LOG)\ 
if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF
the symbol_ref name of an internal numbered label where
PREFIX is the class of label and NUM is the number within the class.
This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL (BUF,PREFIX,NUMBER)\ 
sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX "_"

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1
/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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()VLineNumberTableLocalVariableTablethisLjava/security/Permission;
checkGuard(Ljava/lang/Object;)V
! java/lang/System"#getSecurityManager()Ljava/lang/SecurityManager;
%&java/lang/SecurityManager()checkPermission(Ljava/security/Permission;)Objjava/lang/Object;smLjava/lang/
SecurityManager;implies(Ljava/security/Permission;)Zequals(Ljava/lang/Object;)ZhashCode()JgetName()Ljava/lan
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>:=?@append"(C)Lgnu/java/lang/CPStringBuilder;
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SourceFilePermission.java!
```
This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation.
and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.

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/**
 * This interface provides information about a permission that can be granted. Note that this is not the same as the class <code>java.security.Permission</code>.
 *
 * @version 0.0
 *
 * @author Aaron M. Renn (arenn@urbanophile.com)
 */

public interface Permission
{
    /**
     * This method tests whether or not a specified <code>Permission</code> (passed as an <code>Object</code>) is the same as this permission.
     *
     * @param perm The permission to check for equality
     *
     * @return <code>true</code> if the specified permission is the same as this one, <code>false</code> otherwise
     */
    boolean equals (Object perm);

    /**
     * This method returns this <code>Permission</code> as a <code>String</code>.
     *
     * @return A <code>String</code> representing this permission.
     */
    String toString();
}

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#define __gnu_javax_sound_AudioSecurityManager$Permission__

#define __gnu_javax_sound_AudioSecurityManager$Permission__

#pragma interface

#include <java/lang/Enum.h>
#include <gcj/array.h>

extern "Java"
{
  namespace gnu
  {
    namespace javax
    {
      namespace sound
      {
        class AudioSecurityManager$Permission;
      }
    }
  }
}

class gnu::javax::sound::AudioSecurityManager$Permission : public ::java::lang::Enum
{
  AudioSecurityManager$Permission(::java::lang::String *, jint);

  public:
  static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * values();
  static ::gnu::javax::sound::AudioSecurityManager$Permission * valueOf(::java::lang::String *);
  static ::gnu::javax::sound::AudioSecurityManager$Permission * PLAY;
  static ::gnu::javax::sound::AudioSecurityManager$Permission * RECORD;
  static ::gnu::javax::sound::AudioSecurityManager$Permission * ALL;

  private:
  static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * ENUM$VALUES;

  public:
  static ::java::lang::Class class$;
};

#endif // __gnu_javax_sound_AudioSecurityManager$Permission__

1.3782 jul-to-slf4j 1.7.12

1.3783 libpcap 1.9.1-r2
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1.3789 jmxtrans-output-influxdb 267
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1.3790 httpClient 4.5.7
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1.3791 nginx-module-njs 1.13.7.0.1.15-1~stretch
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1.3792 python-all 2.7.13-2

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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.
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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1.3796 core-util-is 1.0.2
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1.3797 jackson-dataformat-cbor 2.6.6

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1.3798 libkrbsupport 1.15-1+deb9u2

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

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
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kproplog.c

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http-proxy-agent
================
### An HTTP(s) proxy `http.Agent` implementation for HTTP

This module provides an `http.Agent` implementation that connects to a specified HTTP or HTTPS proxy server, and can be used with the built-in `http` module.

__Note:__ For HTTP proxy usage with the `https` module, check out [node-https-proxy-agent](https://github.com/TooTallNate/node-https-proxy-agent).

**Installation**

Install with `npm`:

```bash
$ npm install http-proxy-agent
```

**Example**

```js
var url = require('url');
var http = require('http');
var HttpProxyAgent = require('http-proxy-agent');

// HTTP/HTTPS proxy to connect to
```
var proxy = process.env.http_proxy || 'http://168.63.76.32:3128';
console.log('using proxy server %j', proxy);

// HTTP endpoint for the proxy to connect to
console.log('attempting to GET %j', endpoint);
var opts = url.parse(endpoint);

// create an instance of the `HttpProxyAgent` class with the proxy server information
var agent = new HttpProxyAgent(proxy);
opts.agent = agent;

http.get(opts, function (res) {
  console.log("response" event!, res.headers);
  res.pipe(process.stdout);
});

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1.3810 python-requests 2.4.3-6

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1.3812 jctools-core 1.2.1

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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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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
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Most GNU software, including some libraries, is covered by the
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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 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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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.

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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:

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@appendixsubsec Preamble

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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.

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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.

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@item
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@ifex
@end iftex

@heading END OF TERMS AND CONDITIONS
@end iftex

@ifinfo
@end ifinfo

@page

@appendixsubsec How to Apply These Terms to Your New Libraries

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Ty Coon, President of Vice
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That's all there is to it!

1.3816 perl-base 5.22.1 9ubuntu0.2
1.3816.1 Available under license :
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Source: http://www.perl.com/CPAN/src/5.0/
Comment:
This package was debianized by Brendan O'Dea <bod@debian.org> on Thu, 17 Aug 2000 16:10:54 +1000.

Upstream Authors:

Larry Wall et. al. (see /usr/share/doc/perl/AUTHORS).
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1.3823 cpp 4:5.3.1 1ubuntu1
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If the F register is turned on, we’ll generate index entries on stderr for
entries marked with X<> in POD. Of course, you’ll have to process the
output yourself in some meaningful fashion.

```
if \nF \n\n.de IX
.tm Index:\$1\t\n\%\t"\$2"
```

For nroff, turn off justification. Always turn off hyphenation; it makes
way too many mistakes in technical documents.

```
.hy 0
.if n .na
```

Accent mark definitions (@(#)ms.acc 1.5 88/02/08 SMI; from UCB 4.2).

Fear. Run. Save yourself. No user-serviceable parts.

```
fudge factors for nroff and troff
.if n \n\n.de #H 0
.de #V .8m
.de #F .3m
.de #[ .\f1
.de #] .\fP
```

```
.if t \n\n.de #H ((1u-(\\n(.fu%2u))*1.13m)
```
IX Title "GPL 7"
.TH GPL 7 "2003-03-01" "gcc-3.3" "GNU"
.SH "NAME"
gpl - GNU General Public License
.SH "DESCRIPTION"
.IX Header "DESCRIPTION"
.Sh "\$s-1GNU\$s0 \$s-1GENERAL\$s0 \$s-1PUBLIC\$s0 \$s-1LICENSE\$s0"
.IX Subsection "GNU GENERAL PUBLIC LICENSE"
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Sh "ls-1NOs0 ls-1WARRANTYs0"

.IX Subsection "NO WARRANTY"

.IP "11."

&ls-1BECAUSEs0 ls-1THEs0 ls-1PROGRAMs0 ls-1LICENSEDs0 ls-1FREEs0 ls-1OFs0 ls-1CHARGEs0 ls-1THEREs0 ls-1LAWs0 ls-1WARRANTYs0

&ls-1FORs0 ls-1THEs0 ls-1PROGRAMs0 ls-1TOs0 ls-1EXTENTs0 ls-1PERMITTEDs0 ls-1BYs0 ls-1APPLICABLEs0 ls-1LAWS0 ls-1EXCEPTSts0 ls-1WHENs0

&ls-1OTHERWISExs0 ls-1STATEs0 ls-1INs0 ls-1WRITINGs0 ls-1THEs0 ls-1COPYRIGHTs0 ls-1HOLDERS0 ls-1AND/ORs0 ls-1OTHERs0 ls-1PARTIESs0

&ls-1PROVIDExs0 ls-1THEs0 ls-1PROGRAMs0 ls-1LAWs0 ls-1 WITHOUTs0 ls-1WARRANTYs0 ls-1OFs0 ls-1ANYs0 ls-1KINDs0 ls-1EITHERs0 ls-1EXPRESSEDs0

&ls-1ORs0 ls-1IMPLIEDs0 ls-1INCLUDINGs0 ls-1BUTls0 ls-1NOTs0 ls-1LIMITEDs0 ls-1TOs0 ls-1THEs0 ls-1IMPLIEDs0 ls-1WARRANTIES0 ls-1OFs0

&ls-1MERCHANTABILITYs0 ls-1ANDs0 ls-1FITNESSs0 ls-1FORs0 ls-1PARTICULARs0 ls-1PURPOSEs0 ls-1THEs0 ls-1ENTIREs0 ls-1RISKs0 ls-1LAWs0

&ls-1TOs0 ls-1THEs0 ls-1QUALITYs0 ls-1ANDs0 ls-1PERFORMANCEs0 ls-1OFs0 ls-1THEs0 ls-1PROGRAMs0 ls-1LAWs0 ls-1THEs0 ls-1YOUs0 ls-1SHOULDs0 ls-1THEs0

&ls-1PROGRAMs0 ls-1PROVEs0 ls-1DEFFECTIVEs0 ls-1YOUs0 ls-1ASSUMEs0 ls-1THEs0 ls-1COSTs0 ls-1OFs0 ls-1ALLs0 ls-1NECESSARYs0 ls-1SERVICINGs0

&ls-1REPAIRs0 ls-1ORs0 ls-1CORRECTIONs0

.IP "12."

.IX Item "12."

&ls-1INs0 ls-1NOs0 ls-1EVENTs0 ls-1UNLESSs0 ls-1REQUIREDs0 ls-1BYs0 ls-1APPLICABLEs0 ls-1LAWs0 ls-1ORs0 ls-1AGREEDs0 ls-1TOs0 ls-1INs0 ls-1WRITINGs0

&ls-1WILLs0 ls-1ANYs0 ls-1COPYRIGHTs0 ls-1HOLDERs0 ls-1ORs0 ls-1ANYs0 ls-1OTHERs0 ls-1PARTYs0 ls-1WHOs0 ls-1MAYs0 ls-1MODIFYs0 ls-1AND/ORs0

&ls-1REDISTRIBUTExs0 ls-1THEs0 ls-1PROGRAMs0 ls-1ASs0 ls-1PERMITTEDs0 ls-1ABOVEs0 ls-1BEs0 ls-1LIABLEs0 ls-1TOs0 ls-1YOUs0 ls-1FORs0 ls-1 DAMAGESs0

&ls-1INCLUDINGs0 ls-1GENERALs0 ls-1SPECIALs0 ls-1INCIDENTALs0 ls-1ORs0 ls-1CONSEQUENTIALs0 ls-1 DAMAGESs0 ls-1ARISING0

&ls-1OUTs0 ls-1OFs0 ls-1THEs0 ls-1USEs0 ls-1ORs0 ls-1INABILITYs0 ls-1TOs0 ls-1USEs0 ls-1THEs0 ls-1PROGRAMs0 ls-1INCLUDINGs0 ls-1BUILDs0 ls-1NOTs0 ls-1LIMITEDs0

&ls-1LOSSs0 ls-1OFs0 ls-1DATAs0 ls-1ORs0 ls-1DATAs0 ls-1BEINGs0 ls-1RENDEREDs0 ls-1ACCURATEs0 ls-1ORs0 ls-1LOSEs0 ls-1SUSTAINEDs0 ls-1BYs0

&ls-1YOUs0 ls-1ORs0 ls-1THIRDs0 ls-1PARTIESs0 ls-1ORs0 ls-1FAILUREs0 ls-1OFs0 ls-1THEs0 ls-1PROGRAMs0 ls-1TOs0 ls-1OPERATEs0 ls-1WITHs0 ls-1ANYs0 ls-1OTHERs0

&ls-1PROGRAMs0 ls-1VENs0 ls-1IFs0 ls-1SUCHs0 ls-1HOLDERs0 ls-1ORs0 ls-1OTHERs0 ls-1PARTYs0 ls-1HASs0 ls-1BENEns0 ls-1ADVISEDs0 ls-1OFs0 ls-1THEs0

&ls-1POSIBILITYs0 ls-1OFs0 ls-1SUCHs0 ls-1 DAMAGESs0

.Sh "ls-ENDs0 ls-1TERMs0 ls-1ANDs0 ls-1CONDITIONs0"
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import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.tools.doclets.Tag;

/**
 * A simple Taglet which handles Copyright information.
 */
public class CopyrightTaglet implements Taglet {

    private static final String NAME = "copyright";
    private static final String HEADER = "Copyright:"

    public String getName() {
        return NAME;
    }
}
public boolean inField() {
    return true;
}

public boolean inConstructor() {
    return true;
}

public boolean inMethod() {
    return true;
}

public boolean inOverview() {
    return true;
}

public boolean inPackage() {
    return true;
}

public boolean inType() {
    return true;
}

public boolean isInlineTag() {
    return false;
}

public static void register(Map tagletMap) {
    CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
    tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
}

public String toString(Tag tag) {
    return toString(new Tag[] { tag });
}

public String toString(Tag[] tags) {
    if (tags.length == 0) {
        return null;
    } else {
        boolean haveValidTag = false;
        for (int i = 0; i < tags.length && !haveValidTag; ++i) {
            if (tags[i].text().length() > 0) {
                haveValidTag = true;
            }
        }
    }
}
if (haveValidTag) {
    StringBuffer result = new StringBuffer();
    result.append("<dl>");
    for (int i = 0; i < tags.length; i++) {
        if (tags[i].text().length() > 0) {
            result.append("<dt><i>Copyright © " + tags[i].text() + "</i></dt>");
        }
    }
    result.append("</dl>");
    return result.toString();
} else {
    return null;
}

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// DO NOT EDIT THIS FILE - it is machine generated -* c++ -*

#ifndef __java_security_Permission__
#define __java_security_Permission__

#pragma interface

#include <java/lang/Object.h>
extern "Java"
{
namespace java
{
 namespace security
{
 class Permission;
 class PermissionCollection;
 }
}
}

class java::security::Permission : public ::java::lang::Object
{

public:
 Permission(::java::lang::String *);
 virtual void checkGuard(::java::lang::Object *);
 virtual jboolean implies(::java::security::Permission *) = 0;
 virtual jboolean equals(::java::lang::Object *) = 0;
 virtual jint hashCode() = 0;
 virtual ::java::lang::String * getName();
 virtual ::java::lang::String * getActions() = 0;
 virtual ::java::security::PermissionCollection * newPermissionCollection();
 virtual ::java::lang::String * toString();

private:
 static const jlong serialVersionUID = -5636570222231596674LL;
 ::java::lang::String * __attribute__((aligned(__alignof__( ::java::lang::Object)))) name;
 public:
 static ::java::lang::Class class$;
};

#endif // __java_security_Permission__

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@setfilename gpl
@settitle GNU General Public License
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/* Permission.java -- The superclass for all permission objects

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package java.security;
import gnu.java.lang.CPStringBuilder;

import java.io.Serializable;

/**
 * This class is the abstract superclass of all classes that implement
 * the concept of a permission. A permission consists of a permission name
 * and optionally a list of actions that relate to the permission. The
 * actual meaning of the name of the permission is defined only in the
 * context of a subclass. It may name a resource to which access permissions
 * are granted (for example, the name of a file) or it might represent
 * something else entirely. Similarly, the action list only has meaning
 * within the context of a subclass. Some permission names may have no
 * actions associated with them. That is, you either have the permission
 * or you don't.
 *
 * <p>The most important method in this class is <code>implies</code>. This
 * checks whether if one has this permission, then the specified
 * permission is also implied. As a conceptual example, consider the
 * permissions "Read All Files" and "Read File foo". The permission
 * "Read All Files" implies that the caller has permission to read the
 * file foo.
 *
 * <p><code>Permission</code>’s must be immutable - do not change their
 * state after creation.
 *
 * @author Aaron M. Renn (arenn@urbanophile.com)
 * @see Permissions
 * @see PermissionCollection
 * @since 1.1
 * @status updated to 1.4
 */
public abstract class Permission implements Guard, Serializable
{

/**
 * Compatible with JDK 1.1+.
 */
private static final long serialVersionUID = -5636570222231596674L;

/**
 * This is the name assigned to this permission object.
 *
 * @serial the name of the permission
 */
private String name;

/**
 * Create an instance with the specified name.
 */
public Permission(String name)
{
    this.name = name;
}

/**
 * This method implements the <code>Guard</code> interface for this class.
 * It calls the <code>checkPermission</code> method in
 * <code>SecurityManager</code> with this <code>Permission</code> as its
 * argument. This method returns silently if the security check succeeds
 * or throws an exception if it fails.
 *
 * @param obj the <code>Object</code> being guarded - ignored by this class
 * @throws SecurityException if the security check fails
 * @see GuardedObject
 * @see SecurityManager#checkPermission(Permission)
 */
public void checkGuard(Object obj)
{
    SecurityManager sm = System.getSecurityManager();
    if (sm != null)
        sm.checkPermission(this);
}

/**
 * This method tests whether this <code>Permission</code> implies that the
 * specified <code>Permission</code> is also granted.
 *
 * @param perm the <code>Permission</code> to test against
 * @return true if perm is implied by this
 */
public abstract boolean implies(Permission perm);

/**
 * Check to see if this object equals obj. Use <code>implies</code>, rather
 * than <code>equals</code>, when making access control decisions.
 *
 * @param obj the object to compare to
 */
public abstract boolean equals(Object obj);

/**
 * This method returns a hash code for this <code>Permission</code>. It
 * must satisfy the contract of <code>Object.hashCode</code>: it must be
 * the same for all objects that equals considers to be the same.
public abstract int hashCode();

/**
 * Get the name of this <code>Permission</code>.
 * @return the name
 */
public final String getName()
{
    return name;
}

/**
 * This method returns the list of actions for this <code>Permission</code> as a <code>String</code>. The string should be in canonical order, for example, both <code>new FilePermission(f, "write,read")</code> and <code>new FilePermission(f, "read,write")</code> have the action list "read,write".
 * @return the action list for this <code>Permission</code>
 */
public abstract String getActions();

/**
 * This method returns an empty <code>PermissionCollection</code> object that can store permissions of this type, or <code>null</code> if no such collection is defined. Subclasses must override this to provide an appropriate collection when one is needed to accurately calculate <code>implies</code>.
 * @return a new <code>PermissionCollection</code>
 */
public PermissionCollection newPermissionCollection()
{
    return null;
}

/**
 * This method returns a <code>String</code> representation of this <code>Permission</code> object. This is in the format:
 * <code>'(' + getClass().getName() + ' ' + getName() + ' ' + getActions + ')'</code>.
 * @return this object as a <code>String</code>
 */
public String toString()
{
    CPStringBuilder string = new CPStringBuilder();

    string = string.append('(');
    string = string.append(getClass().getName());
    string = string.append(' ');
    string = string.append(getName());

    if (!(getActions().equals("")))
    {
        string = string.append(' ');
        string = string.append(getActions());
    }

    string = string.append(')');
    return string.toString();
}
} // class Permission

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    <acronym>GNU</acronym> General Public License version 3
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<?dbhtml filename="appendix_gpl.html"?>

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^L

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Whether this is true is especially significant if the work can be
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If such an object file uses only numerical parameters, data
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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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The "Compilation Process" transforms code entirely represented in non-intermediate languages designed for human-written code, and/or in Java Virtual Machine byte code, into Target Code. Thus, for example, use of source code generators and preprocessors need not be considered part of the Compilation Process, since the Compilation Process can be understood as starting with the output of the generators or preprocessors.

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#
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#
#   Copyright XXXX-YYYY Free Software Foundation, Inc.
#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
#   update-copyright.pl --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
#   update-copyright.pl --this-year libjava
#
# would run the script on just libjava/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__(self):
        self.num_errors = 0

    def report(self, filename, string):
        if filename:
            string = filename + ': ' + string
        sys.stderr.write(string + '
')
self.num_errors += 1

def ok (self):
    return self.num_errors == 0

class GenericFilter:
    def __init__ (self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set ([
            # Skip licence files.
            'COPYING',
            'COPYING.LIB',
            'COPYING3',
            'COPYING3.LIB',
            'LICENSE',
            'fdl.texi',
            'gpl_v3.texi',
            'fdl-1.3.xml',
            'gpl-3.0.xml',

            # Skip auto- and libtool-related files
            'aclocal.m4',
            'compile',
            'config.guess',
            'config.sub',
            'depcomp',
            'install-sh',
            'libtool.m4',
            'ltmain.sh',
            'ltoptions.m4',
            'ltsoap.m4',
            'ltversion.m4',
            'lt~obsolete.m4',
            'missing',
            'mkdep',
            'mkinstalldirs',
            'move-if-change',
            'shlibpath.m4',
            'symlink-tree',
            'y1wrap',

            # Skip FSF mission statement, etc.
            'gnu.texi',
        ])}
def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile ('\t')
    return None

def skip_file (self, dir, filename):
    if filename in self.skip_files:
        return True

    (base, extension) = os.path.splitext (os.path.join (dir, filename))
    if extension in self.skip_extensions:
        return True

    if extension == '.in':
        # Skip .in files produced by automake.
        if os.path.exists (base + '.am'):
            return True

    # Skip files produced by autogen
    if (os.path.exists (base + '.def')
        and os.path.exists (base + '.tpl')):
        return True

    # Skip configure files produced by autoconf
    if filename == 'configure':
        if os.path.exists (base + '.ac'):
            return True
        if os.path.exists (base + '.in'):
            return True

    return False

def skip_dir (self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file (self, dir, filename):
    if filename in self.fossilised_files:
        return True
# Only touch current current ChangeLogs.
if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
    return True
return False

def by_package_author (self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__ (self, errors):
        self.errors = errors

        # Characters in a range of years. Include ‘.’ for typos.
        ranges = '[0-9][\-0-9,\.\s+\s+]\*[0-9]'

        # Non-whitespace characters in a copyright holder's name.
        name = '[\w\-\.]'

        # Matches one year.
        self.year_re = re.compile ('[0-9]+')

        # Matches part of a year or copyright holder.
        self.continuation_re = re.compile (ranges + '|' + name)

        # Matches a full copyright notice:
        self.copyright_re = re.compile (
            # 1: 'Copyright (C)', etc.
            '([Cc]opyright\s+)[(Cc)]' |
            '[Cc]opyright\s+\%s' |
            '\[[Cc]opyright\s+&copy;' |
            '\[Cc]opyright\s+\@copyright{ }' |
            'copyright = u\'' |
            '\@set\s+copyright[wa-]+')

        # 2: the years. Include the whitespace in the year, so that
        # we can remove any excess.
        '\s*(?::| + ranges + :?| '@value\{[^{]*\}[^s]*)\s*')

        # 3: 'by ', if used
        '(by\s+)'?

        # 4: the copyright holder. Don't allow multiple consecutive
        # spaces, so that right-margin gloss doesn't get caught
        # (e.g. gnat_ugn.texi).
        '( ' + name + '(?:\s? + name + '+ ')?')
# A regexp for notices that might have slipped by. Just matching
# 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
# HTML header markers, so check for 'copyright' and two digits.
self.other_copyright_re = re.compile('copyright.*[0-9][0-9]',
                                         re.IGNORECASE)

self.comment_re = re.compile('#+|[*]+|;+|%+|//+|@c |dnl ')

self.holders = { '@copying': '@copying' }

self.holder_prefixes = set()

# True to 'quilt add' files before changing them.
self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s). Could be ',', '.'.
self.separator = ''

def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find (' ')
    while index >= 0:
        self.holder_prefixes.add (holder[:index])
        index = holder.find (' ', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__ (self, year):
        self.year = year

    def __str__ (self):
        return 'unrecognised year: ' + self.year

    def parse_year (self, string):
        year = int (string)
        if len (string) == 2:
            if year > 70:
                return year + 1900
            elif len (string) == 4:
                return year
        raise self.BadYear (string)

    def year_range (self, years):
        year_list = [self.parse_year (year)
for year in self.year_re.findall (years)]
assert len (year_list) > 0
return (min (year_list), max (year_list))

def set_use_quilt (self, use_quilt):
    self.use_quilt = use_quilt

def include_year (self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years (self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith ('@value'):
        return years

    (min_year, max_year) = self.year_range (years)

    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file (dir, filename):
        max_year = max (max_year, self.max_year)

    # Use a range.
    if min_year == max_year:
        return '%d' % min_year
    else:
        return '%d-%d' % (min_year, max_year)

def strip_continuation (self, line):
    line = line.lstrip()
    match = self.comment_re.match (line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete (self, match):
    holder = match.group (4)
    return (holder
        and (holder not in self.holder_prefixes
            or holder in self.holders))

def update_copyright (self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join (dir, filename)

    intro = match.group (1)
    if intro.startswith ('@set'):
# Texinfo year variables should always be on one line
after_years = line[match.end (2):].strip()
if after_years != "":
    self.errors.report (pathname,
        'trailing characters in @set: '
        + after_years)
    return (False, orig_line, next_line)
else:
    # If it looks like the copyright is incomplete, add the next line.
    while not self.is_complete (match):
        try:
            next_line = file.next()
        except StopIteration:
            break
        # If the next line doesn't look like a proper continuation,
        # assume that what we've got is complete.
        continuation = self.strip_continuation (next_line)
        if not self.continuation_re.match (continuation):
            break
        # Merge the lines for matching purposes.
        orig_line += next_line
        line = line.rstrip() + ' ' + continuation
        next_line = None
        # Rematch with the longer line, at the original position.
        match = self.copyright_re.match (line, match.start())
        assert match
        holder = match.group (4)
        # Use the filter to test cases where markup is getting in the way.
        if filter.by_package_author (dir, filename):
            assert holder not in self.holders
        elif not holder:
            self.errors.report (pathname, 'missing copyright holder')
            return (False, orig_line, next_line)
        elif holder not in self.holders:
            self.errors.report (pathname,
                'unrecognised copyright holder: ' + holder)
            return (False, orig_line, next_line)
    else:
        # See whether the copyright is associated with the package
        # author.
canon_form = self.holders[holder]
if not canon_form:
    return (False, orig_line, next_line)

# Make sure the author is given in a consistent way.
line = (line[:match.start (4)]
    + canon_form
    + line[match.end (4):])

# Remove any 'by'
line = line[:match.start (3)] + line[match.end (3):]

# Update the copyright years.
years = match.group (2).strip()
try:
    canon_form = self.canonicalise_years (dir, filename, filter, years)
except self.BadYear as e:
    self.errors.report (pathname, str (e))
    return (False, orig_line, next_line)

line = (line[:match.start (2)]
    + ('' if intro.startswith ('copyright = ') else ' ')
    + canon_form + self.separator
    + line[match.end (2):])

# Use the standard (C) form.
if intro.endswith ('right'):
    intro += ' (C)'
elif intro.endswith ('(c)'):
    intro = intro[:-3] + '(C)'
line = line[:match.start (1)] + intro + line[match.end (1):]

# Strip trailing whitespace
line = line.rstrip() + '
'

return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)
        except OSError:
            pass
    return

lines = []
changed = False
line_filter = filter.get_line_filter (dir, filename)
with open (pathname, 'r') as file:
    prev = None
    for line in file:
        next_line = None
        # Leave filtered-out lines alone.
        if not (line_filter and line_filter.match (line)):
            match = self.copyright_re.search (line)
            if match:
                res = self.update_copyright (dir, filename, filter,
                                             file, line, match)
                (this_changed, line, next_line) = res
                changed = changed or this_changed
        # Check for copyright lines that might have slipped by.
        elif self.other_copyright_re.search (line):
            self.errors.report (pathname,
                                'unrecognised copyright: %s'
                                % line.strip())
            lines.append (line)
        line = next_line

        # If something changed, write the new file out.
        if changed and self.errors.ok():
            tmp_pathname = pathname + '.tmp'
            with open (tmp_pathname, 'w') as file:
                for line in lines:
                    file.write (line)
            if self.use_quilt:
                subprocess.call (
                                ['quilt', 'add', pathname])
            os.rename (tmp_pathname, pathname)

    def process_tree (self, tree, filter):
        for (dir, subdirs, filenames) in os.walk (tree):
            # Don't recurse through directories that should be skipped.
            for i in xrange (len (subdirs) - 1, -1, -1):  # -1:
                if filter.skip_dir (dir, subdirs[i]):
                    del subdirs[i]
            # Handle the files in this directory.
            for filename in filenames:
                if filter.skip_file (dir, filename):
                    sys.stdout.write ('Skipping %s
' % os.path.join (dir, filename))
                else:
                    self.process_file (dir, filename, filter)
class CmdLine:
    def __init__ (self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright (self.errors)
        self.dirs = []
        self.default_dirs = []
        self.chosen_dirs = []
        self.option_handlers = dict()
        self.option_help = []

        self.add_option ('--help', 'Print this help', self.o_help)
        self.add_option ('--quilt', """quilt add" files before changing them",
                        self.o_quilt)
        self.add_option ('--this-year', 'Add the current year to every notice',
                        self.o_this_year)

    def add_option (self, name, help, handler):
        self.option_help.append ((name, help))
        self.option_handlers[name] = handler

    def add_dir (self, dir, filter = GenericFilter()):
        self.dirs.append ((dir, filter))

    def o_help (self, option = None):
        sys.stdout.write ('Usage: %s [options] dir1 dir2...

        Options:
' % sys.argv[0])
        format = '%-15s %s
'
        for (what, help) in self.option_help:
            sys.stdout.write (format % (what, help))
        sys.stdout.write ('
Directories:
')
        format = '%-25s
'
        i = 0
        for (dir, filter) in self.dirs:
            i += 1
            if i % 3 == 0 or i == len (self.dirs):
                sys.stdout.write (dir + '
')
            else:
                sys.stdout.write (format % dir)
        sys.exit (0)

    def o_quilt (self, option):
        self.copyright.set_use_quilt (True)

    def o_this_year (self, option):
        self.copyright.include_year (time.localtime().tm_year)
def main(self):
    for arg in sys.argv[1:]:
        if arg[1:] != '-':
            self.chosen_dirs.append(arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg](arg)
        else:
            self.errors.report(None, 'unrecognised option: ' + arg)
    if self.errors.ok() and not self.chosen_dirs:
        self.chosen_dirs = self.default_dirs
    if not self.chosen_dirs:
        self.o_help()
    else:
        for chosen_dir in self.chosen_dirs:
            canon_dir = os.path.join(chosen_dir, '')
            count = 0
            for (dir, filter) in self.dirs:
                if (dir + os.sep).startswith(canon_dir):
                    count += 1
                    self.copyright.process_tree(dir, filter)
            if count == 0:
                self.errors.report(None, 'unrecognised directory: ' + chosen_dir)
            sys.exit(0 if self.errors.ok() else 1)

#-------------------------------------

class TopLevelFilter(GenericFilter):
    def skip_dir(self, dir, subdir):
        return True

class ConfigFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)
        self.skip_file = lambda self, dir, filename: self.skip_file
    def skip_file(self, dir, filename):
        if filename.endswith('.m4'):
            pathname = os.path.join(dir, filename)
            with open(pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find('gettext-') >= 0:
                    return True
        return GenericFilter.skip_file(self, dir, filename)

class GCCFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)
self.skip_files |= set([
    # Not part of GCC
    'math-68881.h',
    ])

self.skip_dirs |= set([
    # Better not create a merge nightmare for the GNAT folks.
    'ada',
    # Handled separately.
    'testsuite',
    ])

self.skip_extensions |= set([
    # Maintained by the translation project.
    '.po',
    # Automatically-generated.
    '.pot',
    ])

self.fossilised_files |= set([
    # Old news won't be updated.
    'ONEWS',
    ])

class TestsuiteFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set([
            # Don't change the tests, which could be woend by anyone.
            '.c',
            '.C',
            '.cc',
            '.h',
            '.hs',
            '.f',
            '.f90',
            '.go',
            '.inc',
            '.java',
            ])

    def skip_file (self, dir, filename):
        # g++.niklas/README contains historical copyright information
        # and isn't updated.
if filename == 'README' and os.path.basename(dir) == 'g++.niklas':
    return True
return GenericFilter.skip_file(self, dir, filename)

class LibCppFilter(GenericFilter):
def __init__(self):
    GenericFilter.__init__(self)

    self.skip_extensions |= set(['.po',
                                  '.pot',
                                  ])  

class LibGCCFilter(GenericFilter):
def __init__(self):
    GenericFilter.__init__(self)

    self.skip_dirs |= set(['soft-fp',
                           ])  

class LibJavaFilter(GenericFilter):
def __init__(self):
    GenericFilter.__init__(self)

    self.skip_dirs |= set(['testsuite',
                           'contrib',
                           'classpath',
                           'libltdl',
                           ])  

def get_line_filter(self, dir, filename):
    if filename == 'NameDecoder.h':
        return re.compile('.*NAME_COPYRIGHT')
    if filename == 'ICC_Profile.h':
        return re.compile('.*icSigCopyrightTag')
    return GenericFilter.get_line_filter(self, dir, filename)
class LibMudflapFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_dirs |= set(['
            # Handled separately.
            'testsuite',
        ])

class LibStdCxxFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_files |= set(['
            # Contains no copyright of its own, but quotes the GPL.
            'intro.xml',
        ])

        self.skip_dirs |= set(['
            # Contains automatically-generated sources.
            'html',

            # The testsuite data files shouldn't be changed.
            'data',

            # Contains imported images
            'images',
        ])

        self.own_files |= set(['
            # Contains markup around the copyright owner.
            'spine.xml',
        ])

    def get_line_filter(self, dir, filename):
        if filename == 'boost_concept_check.h':
            return re.compile('# (C) Copyright Jeremy Siek')
        return GenericFilter.get_line_filter(self, dir, filename)

class GCCCopyright(Copyright):
    def __init__(self, errors):
        Copyright.__init__(self, errors)

        canon_fsf = 'Free Software Foundation, Inc.'
        self.add_package_author('Free Software Foundation', canon_fsf)
        self.add_package_author('Free Software Foundation.', canon_fsf)
        self.add_package_author('Free Software Foundation Inc.', canon_fsf)
        self.add_package_author('Free Software Foundation, Inc', canon_fsf)
self.add_package_author('Free Software Foundation, Inc.', canon_fsf)
self.add_package_author('The Free Software Foundation', canon_fsf)
self.add_package_author('The Free Software Foundation, Inc.', canon_fsf)
self.add_package_author('Software Foundation, Inc.', canon_fsf)

self.add_external_author('ARM')
self.add_external_author('AdaCore')
self.add_external_author('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
self.add_external_author('Cavium Networks.')
self.add_external_author('Faraday Technology Corp.')
self.add_external_author('Florida State University')
self.add_external_author('Greg Colvin and Beman Dawes.')
self.add_external_author('Hewlett-Packard Company')
self.add_external_author('Information Technology Industry Council.')
self.add_external_author('James Theiler, Brian Gough')
self.add_external_author('Makoto Matsumoto and Takuji Nishimura,')
self.add_external_author('National Research Council of Canada.')
self.add_external_author('NVIDIA Corporation')
self.add_external_author('Peter Dimov and Multi Media Ltd.')
self.add_external_author('Peter Dimov')
self.add_external_author('Pipeline Associates, Inc.')
self.add_external_author('Regents of the University of California.')
self.add_external_author('Silicon Graphics Computer Systems, Inc.')
self.add_external_author('Silicon Graphics')
self.add_external_author('Stephen L. Moshier')
self.add_external_author('Sun Microsystems, Inc. All rights reserved.')
self.add_external_author('The Go Authors. All rights reserved.')
self.add_external_author('The Go Authors. All rights reserved.')
self.add_external_author('The Regents of the University of California.')
self.add_external_author('Unicode, Inc.')
self.add_external_author('University of Toronto.')

class GCCCmdLine (CmdLine):
    def __init__ (self):
        CmdLine.__init__ (self, GCCCopyright)

        self.add_dir ('.', TopLevelFilter())
        # boehm-gc is imported from upstream.
        self.add_dir ('config', ConfigFilter())
        # contrib isn't really part of GCC.
        self.add_dir ('fixincludes')
        self.add_dir ('gcc', GCCFilter())
        self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir ('gnattools')
        self.add_dir ('include')
        self.add_dir ('libada')
        self.add_dir ('libatomic')
self.add_dir('libbacktrace')
self.add_dir('libcpp', LibCppFilter())
self.add_dir('libdecnumber')

# libffi is imported from upstream.
self.add_dir('libgcc', LibGCCFilter())
self.add_dir('libgfortran')
self.add_dir('libgomp')
self.add_dir('libiberty')
self.add_dir('libitm')

self.add_dir('libjava', LibJavaFilter())
self.add_dir(os.path.join('libjava', 'testsuite'), TestsuiteFilter())
self.add_dir('libmudflap', LibMudflapFilter())
self.add_dir(os.path.join('libmudflap', 'testsuite'), TestsuiteFilter())
self.add_dir('libobjc')
self.add_dir('libquadmath')

# libsanitizer is imported from upstream.
self.add_dir('libssp')
self.add_dir('libstdc++-v3', LibStdCxxFilter())
self.add_dir('libvtv')
self.add_dir('lto-plugin')

# zlib is imported from upstream.

self.default_dirs = [
    'gcc',
    'libada',
    'libatomic',
    'libbacktrace',
    'libcpp',
    'libdecnumber',
    'libgcc',
    'libgfortran',
    'libgomp',
    'libibm',
    'libmudflap',
    'libobjc',
    'libstdc++-v3',
]

GCCCmdLine().main()
/* 1-
7;.,?C.G.K,O!S"QYS"*+%RWXY-
/01A
*2Y+S4

7806)+=>+29<=+_BYDN-EGW67+29%-KYMO+29RURWGW+-YGW-[f`ade{+k/l7m>nDoSpunstw>\]^_a`7TbcA`ade
@node LibraryCopying
@appendixsec GNU LESSER GENERAL PUBLIC LICENSE

@cindex LGPL, Lesser General Public License
@center Version 2.1, February 1999

@display
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of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence the
version number 2.1.]
@end display

@appendixsubsec Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software---to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software---typically libraries---of the Free
Software Foundation and other authors who decide to use it. You can use
it too, but we suggest you first think carefully about whether this
license or the ordinary General Public License is the better strategy to
use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
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 {dfn}Lesser{dfn} 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.

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@iftex

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@item
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@item
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@item
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@end enumerate

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```
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```

@end smallexample
That's all there is to it!

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// DO NOT EDIT THIS FILE - it is machine generated -*.c++ -.*

 ifndef __java_security_acl_Permission__
define __java_security_acl_Permission__

#pragma interface

#include <java/lang/Object.h>
extern "Java"
{
 namespace java
 {
 namespace security
 {
 namespace acl
 {
 class Permission;


class java::security::acl::Permission : public ::java::lang::Object
{

public:

    virtual jboolean equals(::java::lang::Object *) = 0;
    virtual ::java::lang::String * toString() = 0;
    static ::java::lang::Class class$;
} __attribute__ ((java_interface));

#endif // __java_security_acl_Permission__

This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM.

Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood. Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code.
Jesper Peterson (jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D. Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dossor provided Alpha/OSF/1 code. He and Dave Detlefs (detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks (agc@uts.amdahl.com) supplied the FreeBSD 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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/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using
underscores, we are using prefix `.s to identify labels that should
be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line
   that says to advance the location counter by SIZE bytes. */
#define ASM_OUTPUT_SKIP(FILE, SIZE) \
fprintf (FILE, "\t.space " HOST_WIDE_INT_PRINT_UNSIGNED"\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line 
 to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED) \
( fputs ("\.comm ", (FILE)),
 assemble_name ((FILE), (NAME)),
 fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line 
 to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED) \
( fputs ("\.lcomm ", (FILE)),
 assemble_name ((FILE), (NAME)),
 fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

#if defined HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT) \
( fputs ("\.lcomm ", (FILE)),
 assemble_name ((FILE), (NAME)),
 fprintf ((FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line 
that says to advance the location counter 
to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE, LOG) \
if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF 
the symbol_ref name of an internal numbered label where 
PREFIX is the class of label and NUM is the number within the class. 
This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF, PREFIX, NUMBER) \
sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX "_"
/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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 * <code>java.security.Permission</code>.
 */
public interface Permission
{
/**
 * This method tests whether or not a specified <code>Permission</code>
 * (passed as an <code>Object</code>) is the same as this permission.
 *
 * @param perm The permission to check for equality
 *
 * @return <code>true</code> if the specified permission is the same as this one, <code>false</code> otherwise
 */
boolean equals (Object perm);

/**
 * This method returns this <code>Permission</code> as a <code>String</code>.
 *
 * @return A <code>String</code> representing this permission.
 */
String toString();
}

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#define __gnu_javax_sound_AudioSecurityManager$Permission__

#pragma interface

#include <java/lang/Enum.h>
#include <gcj/array.h>

extern "Java"
{
    namespace gnu
    {
        namespace javax
        {
            namespace sound
            {
                class AudioSecurityManager$Permission;
            }
        }
    }
}
#ifndef __gnu_javax_sound_AudioSecurityManager$Permission__

1.3827 mississippi 1.3.0

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1.3829 python-openssl 0.14-1

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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) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

### Dependency rules

%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \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

%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s {<F} $@

%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s {*F}.$(SO).$(SO_TARGET_VERSION) $@

### Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic

# Dependencies [i.e. map files] for the final library
BIR_DEPS=

### Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

### End BSD-specific setup
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popper-1.831beta is no longer beta30 July 91
Removed popper-1.7.tar.Z

popper-1.831beta.tar.Z03 April 91
Changed mkstemp to mktemp for Ultrix. Sigh.

popper-1.83beta.tar.Z02 April 91

This version makes certain that while running as root we do nothing at all destructive.

popper-1.82beta.tar.Z27 March 91

This version fixes problems on Encore MultiMax and some Sun releases which wouldn't allow a user to ftruncate() a file from an open file descriptor unless the user owns the file. Now the user owns the /usr/spool/mail/.userid.pop file. Thanks to Ben Levy of FTP Software and Henry Holtzman of Apple.

popper-1.81beta.tar.Z20 March 91

This version of popper is supposed to fix three problems reported with various versions of popper (all called 1.7 or 1.7something).
1) Dropped network connections meant lost mail files. Some 1.7 versions also risked corrupting mail files.

2) Some versions of 1.7 created temporary drop files with world read and write permissions.

3) Some versions of 1.7 were not careful about opening the temporary drop file.

popper-1.7.tar.Z 09 September 90 (updated 20 March 91)

This version will exhibit the first problem listed above if it is compiled with -DDEBUG and run without the "-d" (debug) flag.

If it is compiled without -DDEBUG it will exhibit only the second and third bug listed above.

Cliff Frost popptest@nettlesome.berkeley.edu
UC Berkeley
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The Regents of the University of California. All rights reserved.

This code is derived from software contributed to Berkeley by Christos Zoulas of Cornell University.

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Heimdal is a Kerberos 5 implementation.

For information how to install see <http://www.h5l.org/compile.html>.

There are briefer man pages for most of the commands.

Bug reports and bugs are appreciated, see more under Bug reports in the manual on how we prefer them: <heimdal-bugs@h5l.org>.

For more information see the web-page at <http://www.h5l.org/> or the mailing lists:

heimdal-announce@sics.se low-volume announcement
heimdal-discuss@sics.se high-volume discussion

send a mail to heimdal-announce-request@sics.se and heimdal-discuss-request@sics.se respectively to subscribe.

This is a distribution of both client and server telnet. These programs...
have been compiled on:
telnet
telnetd
4.4 BSD-Lite  x  x
4.3 BSD Reno  X  X
UNICOS 9.1  X  X
UNICOS 9.0  X  X
UNICOS 8.0  X  X
BSDI 2.0  X  X
Solaris 2.4  x  x (no linemode in server)
SunOs 4.1.4  X  X (no linemode in server)
Ultrix 4.3  X  X (no linemode in server)
Ultrix 4.1  X  X (no linemode in server)

In addition, previous versions have been compiled on the following machines, but were not available for testing this version.
telnet
telnetd
Next1.0  X  X
UNICOS 8.3  X  X
UNICOS 7.C  X  X
UNICOS 7.0  X  X
SunOs 4.0.3c  X  X (no linemode in server)
4.3 BSD  X  X (no linemode in server)
DYNIX V3.0.12  X  X (no linemode in server)
Ultrix 3.1  X  X (no linemode in server)
Ultrix 4.0  X  X (no linemode in server)
SunOs 3.5  X  X (no linemode in server)
SunOs 4.1.3  X  X (no linemode in server)
Solaris 2.2  x  x (no linemode in server)
Solaris 2.3  x  x (no linemode in server)
BSDI 1.0  X  X
BSDI 1.1  X  X
DYNIX V3.0.17.9  X  X (no linemode in server)
HP-UX 8.0  x  x (no linemode in server)

This code should work, but there are no guarantees.

May 30, 1995

This release represents what is on the 4.4BSD-Lite2 release, which should be the final BSD release. I will continue to support of
telnet, The code (without encryption) is available via anonymous ftp from ftp.cray.com, in src/telnet/telnet.YY.MM.DD.NE.tar.Z, where
YY.MM.DD is replaced with the year, month and day of the release. If you can't find it at one of these places, at some point in the
near future information about the latest releases should be available from ftp.borman.com.

In addition, the version with the encryption code is available via
ftp from net-dist.mit.edu, in the directory /pub/telnet. There is a README file there that gives further information on how to get the distribution.

Questions, comments, bug reports and bug fixes can be sent to one of these addresses:

dab@borman.com
dab@cray.com
dab@bsdi.com

This release is mainly bug fixes and code cleanup.

Replace all calls to bcopy()/bzero() with calls to memmove()/memset() and all calls to index()/rindex() with calls to strchr()/strrchr().

Add some missing diagnostics for option tracing to telnetd.

Add support for BSDI 2.0 and Solaris 2.4.

Add support for UNICOS 8.0

Get rid of expanded tabs and trailing white spaces.

From Paul Vixie:
Fix for telnet going into an endless spin when the session dies abnormally.

From Jef Poskanzer:
Changes to allow telnet to compile under SunOS 3.5.

From Philip Guenther:
makeutx() doesn't expand utmpx, use putuxline() instead.

From Chris Torek:
Add a sleep(1) before execing login to avoid race condition that can eat up the login prompt.
Use terminal speed directly if it is not an encoded value.

From Steve Parker:
Fix to realloc() call. Fix for execing login on solaris with no user name.
January 19, 1994

This is a list of some of the changes since the last tar release of telnet/telnetd. There are probably other changes that aren't listed here, but this should hit a lot of the main ones.

General:
Changed #define for AUTHENTICATE to AUTHENTICATION
Changed #define for ENCRYPT to ENCRYPTION
Changed #define for DES_ENCRYPT to DES_ENCRYPTION

Added support for SPX authentication: -DSPX

Added support for Kerberos Version 5 authentication: -DKRB5

Added support for ANSI C function prototypes

Added support for the NEW-ENVIRON option (RFC-1572) including support for USERVAR.

Made support for the old Environment Option (RFC-1408) conditional on -DOLD_ENVIRON

Added #define ENV_HACK - support for RFC 1571

The encryption code is removed from the public distributions. Domestic 4.4 BSD distributions contain the encryption code.

ENV_HACK: Code to deal with systems that only implement the old ENVIROIN option, and have reversed definitions of ENV_VAR and ENV_VAL. Also fixes ENV processing in client to handle things besides just the default set...

NO_BSD_SETJMP: UNICOS configuration for UNICOS 6.1/6.0/5.1/5.0 systems.

STREAMSPTY: Use /dev/ptmx to get a clean pty. This is for SVr4 derivatives (Like Solaris)

UTMPX: For systems that have /etc/utmpx. This is for SVr4 derivatives (Like Solaris)

Definitions for BSDI 1.0

Definitions for 4.3 Reno and 4.4 BSD.

Definitions for UNICOS 8.0 and UNICOS 7.C
Definitions for Solaris 2.0

Definitions for HP-UX 8.0

Latest Copyright notices from Berkeley.

FLOW-CONTROL: support for RFC-XXX

Client Specific:

Fix the "send" command to not send garbage...

Fix status message for "skiprc"

Make sure to send NAWS after telnet has been suspended or an external command has been run, if the window size has changed.

sysV88 support.

Server Specific:

Support flowcontrol option in non-linemode servers.

-k Server supports Kludge Linemode, but will default to either single character mode or real Linemode support. The user will have to explicitly ask to switch into kludge linemode. ("stty extproc", or escape back to telnet and say "mode line".)

-u Specify the length of the hostname field in the utmp file. Hostname longer than this length will be put into the utmp file in dotted decimal notation, rather than putting in a truncated hostname.

-U Registered hosts only. If a reverse hostname lookup fails, the connection will be refused.

-f/-F
  Allows forwarding of credentials for KRB5.

February 22, 1991:

Features:

This version of telnet/telnetd has support for both the AUTHENTICATION and ENCRYPTION options. The
AUTHENTICATION option is fairly well defined, and an option number has been assigned to it. The ENCRYPTION option is still in a state of flux; an option number has been assigned to, but it is still subject to change. The code is provided in this release for experimental and testing purposes.

The telnet "send" command can now be used to send do/dont/will/wont commands, with any telnet option name. The rules for when do/dont/will/wont are sent are still followed, so just because the user requests that one of these be sent doesn't mean that it will be sent...

The telnet "getstatus" command no longer requires that option printing be enabled to see the response to the "DO STATUS" command.

A -n flag has been added to telnetd to disable keepalives.

A new telnet command, "auth" has been added (if AUTHENTICATE is defined). It has four sub-commands, "status", "disable", "enable" and "help".

A new telnet command, "encrypt" has been added (if ENCRYPT is defined). It has many sub-commands: "enable", "type", "start", "stop", "input", 
"-input", "output", "-output", "status", and "help".

The LOGOUT option is now supported by both telnet and telnetd, a new command, "logout", was added to support this.

Several new toggle options were added:
"autoencrypt", "autodecrypt", "autologin", "authdebug", 
"encodebug", "skiprc", "verbose_encrypt"

An "rlogin" interface has been added. If the program is named "rlogin", or the "-r" flag is given, then an rlogin type of interface will be used.
~. Terminates the session
~<susp> Suspend the session
~^]Escape to telnet command mode
~~Pass through the ~.

BUG: If you type the rlogin escape character in the middle of a line while in rlogin mode, you cannot erase it or any characters
before it. Hopefully this can be fixed in a future release...

General changes:

A "libtelnet.a" has now been created. This libraray contains code that is common to both telnet and telnetd. This is also where library routines that are needed, but are not in the standard C library, are placed.

The makefiles have been re-done. All of the site specific configuration information has now been put into a single "Config.generic" file, in the top level directory. Changing this one file will take care of all three subdirectories. Also, to add a new/local definition, a "Config.local" file may be created at the top level; if that file exists, the subdirectories will use that file instead of "Config.generic".

Many 1-2 line functions in commands.c have been removed, and just inserted in-line, or replaced with a macro.

Bug Fixes:

The non-termio code in both telnet and telnetd was setting/clearing CTLECH in the sg_flags word. This was incorrect, and has been changed to set/clear the LCTLECH bit in the local mode word.

The SRCRT #define has been removed. If IP_OPTIONS and IPPROTO_IP are defined on the system, then the source route code is automatically enabled.

The NO_GETTYTAB #define has been removed; there is a compatability routine that can be built into libtelnet to acheive the same results.

The server, telnetd, has been switched to use getopt() for parsing the argument list.

The code for getting the input/output speeds via cfgetispeed()/cfgetospeed() was still not quite right in telnet. Posix says if the ispeed is 0, then it is really equal to the ospeed.

The suboption processing code in telnet now has
explicit checks to make sure that we received the entire suboption (telnetd was already doing this).

The telnet code for processing the terminal type could cause a core dump if an existing connection was closed, and a new connection opened without exiting telnet.

Telnetd was doing a TCSADRAIN when setting the new terminal settings; This is not good, because it means that the tcsetattr() will hang waiting for output to drain, and telnetd is the only one that will drain the output... The fix is to use TCSANOW which does not wait.

Telnetd was improperly setting/clearing the ISTRIP flag in the c_iflag field, it should be using the c_iflag field.

When the child process of telnetd was opening the slave side of the pty, it was re-setting the EXTPROC bit too early, and some of the other initialization code was wiping it out. This would cause telnetd to go out of linemode and into single character mode.

One instance of leaving linemode in telnetd forgot to send a WILL ECHO to the client, the net result would be that the user would see double character echo.

If the MODE was being changed several times very quickly, telnetd could get out of sync with the state changes and the returning acks; and wind up being left in the wrong state.

September 14, 1990:

Switch the client to use getopt() for parsing the argument list. The 4.3Reno getopt.c is included for systems that don't have getopt().

Use the posix _POSIX_VDISABLE value for what value to use when disabling special characters. If this is undefined, it defaults to 0x3ff.

For non-termio systems, TIOCSETP was being used to change the state of the terminal. This causes the input queue to be flushed, which we don't want. This
is now changed to TIOCSETN.

Take out the "#ifdef notdef" around the code in the server that generates a "sync" when the pty output is flushed. The potential problem is that some older telnet clients may go into an infinite loop when they receive a "sync", if so, the server can be compiled with "NO_UGENT" defined.

Fix the client where it was setting/clearing the OPOST bit in the c_iflag field, not the c_oflag field.

Fix the client where it was setting/clearing the ISTRIP bit in the c_iflag field, not the c_iflag field. (On 4.3Reno, this is the ECHOPRT bit in the c_iflag field.) The client also had its interpretation of WILL BINARY and DO BINARY reversed.

Fix a bug in client that would cause a core dump when attempting to remove the last environment variable.

In the client, there were a few places were switch() was being passed a character, and if it was a negative value, it could get sign extended, and not match the 8 bit case statements. The fix is to and the switch value with 0xff.

Add a couple more printoption() calls in the client, I don't think there are any more places were a telnet command can be received and not printed out when "options" is on.

A new flag has been added to the client, "-a". Currently, this just causes the USER name to be sent across, in the future this may be used to signify that automatic authentication is requested.

The USER variable is now only sent by the client if the "-a" or "-l user" options are explicitly used, or if the user explicitly asks for the "USER" environment variable to be exported. In the server, if it receives the "USER" environment variable, it won't print out the banner message, so that only "Password:" will be printed. This makes the semantics more like rlogin, and should be more familiar to the user. (People are not used to getting a banner message, and then getting just a "Password:" prompt.)
Re-vamp the code for starting up the child login process. The code was getting ugly, and it was hard to tell what was really going on. What we do now is after the fork(), in the child:

1) make sure we have no controlling tty
2) open and initialize the tty
3) do a setsid()/setpgp()
4) makes the tty our controlling tty.

On some systems, #2 makes the tty our controlling tty, and #4 is a no-op. The parent process does a gets rid of any controlling tty after the child is fork()ed.

Use the strdup() library routine in telnet, instead of the local savestr() routine. If you don’t have strdup(), you need to define NO_STRDUP.

Add support for ^T (SIGINFO/VSTATUS), found in the 4.3Reno distribution. This maps to the AYT character.

You need a 4-line bugfix in the kernel to get this to work properly:

```c
> *** tty_pty.c.ORG Tue Sep 11 09:41:53 1990
> --- tty_pty.c Tue Sep 11 17:48:03 1990
> *****************
> *** 609,613 ****
> if (((tp->t_lflag&NOFLSH) == 0)
> ttyflush(tp, FREAD|FWRITE);
> ! pgsignal(tp->t_pgrp, *(unsigned int *)data);
> return(0);
> }
> --- 609,616 ----
> if (((tp->t_lflag&NOFLSH) == 0)
> ttyflush(tp, FREAD|FWRITE);
> ! pgsignal(tp->t_pgrp, *(unsigned int *)data, 1);
> ! if ((*(unsigned int *)data == SIGINFO) &&
> ! ((tp->t_lflag&NOKERNINFO) == 0))
> ! ttyinfo(tp);
> return(0);
> }
```

The client is now smarter when setting the telnet escape character; it only sets it to one of VEOL and VEOL2 if one of them is undefined, and the other one is not already defined to the telnet escape character.

Handle TERMIOS systems that have separate input and output line speed settings imbedded in the flags.
Many other minor bug fixes.

June 20, 1990:
Re-organize makefiles and source tree. The telnet/Source
directory is now gone, and all the source that was in
telnet/Source is now just in the telnet directory.

Separate makefile for each system are now gone. There
are two makefiles, Makefile and Makefile.generic.
The "Makefile" has the definitions for the various
system, and "Makefile.generic" does all the work.
There is a variable called "WHAT" that is used to
specify what to make. For example, in the telnet
directory, you might say:
make 4.4bsd WHAT=clean
to clean out the directory.

Add support for the ENVIRON and XDISPLOC options.
In order for the server to work, login has to have
the ">-p" option to preserve environment variables.

Add the SOFT_TAB and LIT_ECHO modes in the LINEMODE support.

Add the "-l user" option to command line and open command
(This is passed through the ENVIRON option).

Add the "-e" command line option, for setting the escape
character.

Add the "-D", diagnostic, option to the server. This allows
the server to print out debug information, which is very
useful when trying to debug a telnet that doesn't have any
debugging ability.

Turn off the literal next character when not in LINEMODE.

Don't recognize ^Y locally, just pass it through.

Make minor modifications for Sun4.0 and Sun4.1

Add support for both FORW1 and FORW2 characters. The
telnet escape character is set to whichever of the
two is not being used. If both are in use, the escape
character is not set, so when in linemode the user will
have to follow the escape character with a <CR> or <EOF)
to get it passed through.
Commands can now be put in single and double quotes, and a backslash is now an escape character. This is needed for allowing arbitrary strings to be assigned to environment variables.

Switch telnetd to use macros like telnet for keeping track of the state of all the options.

Fix telnetd's processing of options so that we always do the right processing of the LINEMODE option, regardless of who initiates the request to turn it on. Also, make sure that if the other side went "WILL ECHO" in response to our "DO ECHO", that we send a "DONT ECHO" to get the option turned back off!

Fix the TERMIOS setting of the terminal speed to handle both BSD's separate fields, and the SYSV method of CBAUD bits.

Change how we deal with the other side refusing to enable an option. The sequence used to be: send DO option; receive WONT option; send DONT option. Now, the sequence is: send DO option; receive WONT option. Both should be valid according to the spec, but there has been at least one client implementation of telnet identified that can get really confused by this. (The exact sequence, from a trace on the server side, is (numbers are number of responses that we expect to get after that line...):

```
send WILL ECHO1 (initial request)
send WONT ECHO2 (server is changing state)
recv DO ECHO1 (first reply, ok. expect DONT ECHO next)
send WILL ECHO2 (server changes state again)
recv DONT ECHO1 (second reply, ok. expect DO ECHO next)
recv DONT ECHO0 (third reply, wrong answer. got DONT!!!)
***send WONT ECHO (send WONT to acknowledge the DONT)
send WILL ECHO1 (ask again to enable option)
recv DO ECHO0
recv DONT ECHO0
send WONT ECHO1
recv DONT ECHO0
recv DO ECHO1
send WILL ECHO0
(and the last 5 lines loop forever)
```

The line with the "***" is last of the WILL/DONT/WONT sequence. The change to the server to not generate that makes this same example become:
send will ECHO1
send wont ECHO2
recv do ECHO1
send will ECHO2
recv dont ECHO1
recv dont ECHO0
recv do ECHO1
send will ECHO0

There is other option negotiation going on, and not sending the third part changes some of the timings, but this specific example no longer gets stuck in a loop. The "telnet.state" file has been modified to reflect this change to the algorithm.

A bunch of miscellaneous bug fixes and changes to make lint happier.

This version of telnet also has some KERBEROS stuff in it. This has not been tested, it uses an un-authorized telnet option number, and uses an out-of-date version of the (still being defined) AUTHENTICATION option. There is no support for this code, do not enable it.

March 1, 1990:

CHANGES/BUGFIXES SINCE LAST RELEASE:
Some support for IP TOS has been added. Requires that the kernel support the IP_TOS socket option (currently this is only in UNICOS 6.0).

Both telnet and telnetd now use the cc_t typedef. typedefs are included for systems that don't have it (in termios.h).

SLC_SUSP was not supported properly before. It is now.

IAC EOF was not translated properly in telnetd for SYSV_TERMIO when not in linemode. It now saves a copy of the VEOF character, so that when ICANON is turned off and we can't trust it anymore (because it is now the VMIN character) we use the saved value.

There were two missing "break" commands in the linemode processing code in telnetd.

Telnetd wasn't setting the kernel window size information properly. It was using the rows for both rows and columns...

Questions/comments go to
David Borman
Cray Research, Inc.
655F Lone Oak Drive
Eagan, MN 55123
dab@cray.com.

README: You are reading it.

Config.generic:
This file contains all the OS specific definitions. It
has pre-definitions for many common system types, and is
in standard makefile format. See the comments at the top
of the file for more information.

Config.local:
This is not part of the distribution, but if this file exists,
it is used instead of "Config.generic". This allows site
specific configuration without having to modify the distributed
"Config.generic" file.

kern.diff:
This file contains the diffs for the changes needed for the
kernel to support LINEMODE is the server. These changes are
for a 4.3BSD system. You may need to make some changes for
your particular system.

There is a new bit in the terminal state word, TS_EXTPROC.
When this bit is set, several aspects of the terminal driver
are disabled. Input line editing, character echo, and
mapping of signals are all disabled. This allows the telnetd
to turn off these functions when in linemode, but still keep
track of what state the user wants the terminal to be in.

New ioctl()s:

TIOCSEXT
Turn on/off the TS_EXTPROC bit
TIOCGSTATE
Get t_state of tty to look at TS_EXTPROC bit
TIOCSIG
Generate a signal to processes in the
current process group of the pty.

There is a new mode for packet driver, the TIOCPKT_IOCTL bit.
When packet mode is turned on in the pty, and the TS_EXTPROC
bit is set, then whenever the state of the pty is changed, the
next read on the master side of the pty will have the TIOCPKT_IOCTL
bit set, and the data will contain the following:
struct xx {
  struct sgttyb a;
  struct tchars b;
}
struct ltchars c;
int t_state;
int t_flags;
}

This allows the process on the server side of the pty to know when the state of the terminal has changed, and what the new state is.

However, if you define USE_TERMIO or SYSV_TERMIO, the code will expect that the structure returned in the TIOCPKT_IOCTL is the termio/termios structure.

stty.diff:
This file contains the changes needed for the stty(1) program to report on the current status of the TS_EXTPROC bit. It also allows the user to turn on/off the TS_EXTPROC bit. This is useful because it allows the user to say "stty -extproc", and the LINEMODE option will be automatically disabled, and saying "stty extproc" will re-enable the LINEMODE option.

telnet.state:
Both the client and server have code in them to deal with option negotiation loops. The algorithm that is used is described in this file.

telnet:
This directory contains the client code. No kernel changes are needed to use this code.

telnetd:
This directory contains the server code. If LINEMODE or KLUDGE LINEMODE are defined, then the kernel modifications listed above are needed.

libtelnet:
This directory contains code that is common to both the client and the server.

arpa:
This directory has a new <arpa/telnet.h>

libtelnet/Makefile.4.4:
telnet/Makefile.4.4:
telnetd/Makefile.4.4:
These are the makefiles that can be used on a 4.3Reno system when this software is installed in /usr/src/lib/libtelnet, /usr/src/libexec/telnetd, and /usr/src/usr.bin/telnet.
The following TELNET options are supported:

**LINEMODE:**
The LINEMODE option is supported as per RFC1116. The FORWARDMASK option is not currently supported.

**BINARY:** The client has the ability to turn on/off the BINARY option in each direction. Turning on BINARY from server to client causes the LITOUT bit to get set in the terminal driver on both ends, turning on BINARY from the client to the server causes the PASS8 bit to get set in the terminal driver on both ends.

**TERMINAL-TYPE:**
This is supported as per RFC1091. On the server side, when a terminal type is received, termcap/terminfo is consulted to determine if it is a known terminal type. It keeps requesting terminal types until it gets one that it recognizes, or hits the end of the list. The server side looks up the entry in the termcap/terminfo data base, and generates a list of names which it then passes one at a time to each request for a terminal type, duplicating the last entry in the list before cycling back to the beginning.

**NAWS:** The Negotiate about Window Size, as per RFC 1073.

**TERMINAL-SPEED:**
Implemented as per RFC 1079

**TOGGLE-FLOW-CONTROL:**
Implemented as per RFC 1080

**TIMING-MARK:**
As per RFC 860

**SGA:** As per RFC 858

**ECHO:** As per RFC 857

**LOGOUT:** As per RFC 727

**STATUS:**
The server will send its current status upon request. It does not ask for the clients status. The client will request the servers current status from the "send getstatus" command.
ENVIRON:
This option is currently being defined by the IETF Telnet Working Group, and an RFC has not yet been issued, but should be in the near future...

X-DISPLAY-LOCATION:
This functionality can be done through the ENVIRON option, it is added here for completeness.

AUTHENTICATION:
This option is currently being defined by the IETF Telnet Working Group, and an RFC has not yet been issued. The basic framework is pretty much decided, but the definitions for the specific authentication schemes is still in a state of flux.

ENCRYPTION:
This option is currently being defined by the IETF Telnet Working Group, and an RFC has not yet been issued. The draft RFC is still in a state of flux, so this code may change in the future.

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-- Tom St Denis

Note on ksu

-----------
This program is not installed setuid root be default. If you want to install it setuid root, then you can override the package permissions with:

dpkg-statoverride --update --add root root 4755 /usr/bin/ksu

Note on ipropd and/or hpropd

-----------------------------
The following entries may be required in your /etc/services file (see bug #139845):

krb_prop 754/tcp # Kerberos slave propagation
iprop 2121/tcp # incremental propagation

Note on kerberos.8 man page

-----------------------------
This man page is not currently included due to conflict with kerberos4kth-kdc package. For more information on Kerberos, see:

Installing heimdal for Debian

-----------------------------
(Note: if you do not have a krb4 KDC, you may need to include "krb4_get_tickets = no" in the [libdefaults] section of kdc.conf; otherwise kinit will complain with an error).

Things you will have to do manually (see info documentation for details):

On KDC:
1. Add administrator keys using kadmin.

For example:
# kadmin -1
kadmin> add bam/admin
Max ticket life [unlimited]:
Max renewable life [unlimited]:
Principal expiration time [never]:
Password expiration time [never]:
Attributes []:
bam/admin@CHOCBIT.ORG.AU's Password:
Verifying password - bam/admin@CHOCBIT.ORG.AU's Password:

2. Add kadmin/admin key to KDC:

For example:
# kadmin -I
kadmin> add -r kadmin/admin@CHOCBIT.ORG.AU
Max ticket life [unlimited]:
Max renewable life [unlimited]:
Principal expiration time [never]:
Password expiration time [never]:
Attributes []:

(note: this key doesn't need to be extracted).

3. Enable remote administration by creating /etc/heimdal-kdc/kadmind.acl

For example:
echo 'bam/admin@CHOCBIT.ORG.AU all' > /etc/heimdal-kdc/kadmind.acl

4. Test.

For example:
# kadmin -p bam/admin
bam/admin@CHOCBIT.ORG.AU's Password:
kadmin> list *
[should list all keys]

5. Add user keys

For example:
# kadmin -p bam/admin
bam/admin@CHOCBIT.ORG.AU's Password:
kadmin> add bam

On other computers:
1. If you installed heimdal-clients-x or heimdal-servers-x,
then you will need to add the following entry to /etc/services
kx 2111/tcp # X over kerberos
(check to make sure this doesn't already exist).
2. edit /etc/krb5.conf
3. setup secret keys each computer, using kadmin and/or ktutil.
For example, on remote computer dewey.chocbit.org.au:

bam/admin@CHOCBIT.ORG.AU's Password:

```
[kadmin] add -r host/dewey.chocbit.org.au

[kadmin] ext host/dewey.chocbit.org.au

[kadmin] add -r ftp/dewey.chocbit.org.au

[kadmin] ext ftp/dewey.chocbit.org.au
```

The `ext` command extracts keys to `/etc/krb5.keytab`, where they can be inspected with the "ktutil list" command at the shell prompt.

Tell me if any files conflict with any other package - do not try to force the package to install, otherwise things may break...

In general, this package conflicts with kerberos4kth and probably MIT Kerberos (not packaged as of potato). Local installations under /usr/local should be OK.

Changes from upstream source:
1. popper checks for $HOME/Maildir, $HOME/Mailbox and /var/spool/mail/<user> in that order.
2. /var/lib/heimdal-kdc used instead of /var/heimdal
3. /usr/bin/login moved to /usr/lib/heimdal-servers
4. /usr/lib/heimdal-servers used instead of /usr/libexec
5. telnet and ftp have been renamed to ktelnet and kftp, and use the update-alternatives mechanism. In the future, this should allow heimdal-clients to exist at the same time as telnet-ssl.
6. kdc config files kdc.conf and kadmind.acl stored in /etc/heimdal-kdc instead of /usr/lib/heimdal-servers.

Automatically creating users
----------------------------
Option #1: Use perl glue found at
<ftp://ftp.su.se/pub/users/leifj/Heimdal-Kadm5-0.04.tar.gz>

Option #2: cat kadmin-commands | kadmin

For more details, see <http://bugs.debian.org/276402>.

-- Brian May <bam@debian.org>, Wed, 8 Dec 1999 11:54:13 +1100

-- in order of preference

- client: support KRB5_PADATA_ENCRYPTED_CHALLENGE in lib/krb5/init_creds_pw.c
- client: don't support ENC-TS in FAST
- client: plugin support for fast plugins

- kdc: plugin support for fast plugins
  partly done with "struct kdc_patypes"

- kcm: support FAST armor ticket
  -- using PK-INIT anonymous
  -- using host key

- client: tgs-req fast support
- kdc: tgs-req fast support

This kerberized popper was based on popper-1.831beta
which was later announced as "official" and not beta.

This program is able to talk both the pop3 and the kpop3 protocol.

Please note that the server principal is pop.hostname and not
rcmd.hostname. I.e an additional entry is needed in your mailhub's
/etc/srvtab. Use ksrvutil to add the extra principal.

The server is usually started from inetd and there is already an entry
for that in inetd.conf.changes.
This package was debianized by Brian May <bam@snoopy.apana.org.au> on

It was downloaded from http://www.pdc.kth.se/heimdal/

Upstream Authors: heimdal-bugs@pdc.kth.se
(see above URL for mailing list info).

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RFCs in lib/wind:

crf3454.txt has been stripped of content, only the tables remain.

crf3490.txt, crf3491.txt, crf4013.txt, crf4518.txt have been removed.

crf3492.txt contains the following license:

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The files in dce are:
- testpag: for testing if this is at all possible.
- k5dfspag: included in libkrb5
- k5dcecon: Creates (or searches for) the actual DFSPAG ticketfile.
- dpagaix: An AIX syscall stub.

README.original: Original README file from Doug Engert

Certain applications (rshd/telnetd) have been patched to call the functions in k5dfspag when the situation is right. They are ifdef with DCE. The patches are also originally from Doug but they where against MIT krb5 code and have been merged into heimdal by me. I will try to fix ftpd soon...

There is also an ifdefs for DCE && AIX that can be used to make AIX use DCE for getting group/passwd entries. This is needed if one is running with a bare bones passwd/group file and AUTHSTATE set to DCE (This will be more or less clear to people doing this...) I have forced this on for now.

k5dfspag.c is in lib/krb5
k5dfspag.c is dependent on DCE only.
It is also POSIX systems only. There are defines for the location of k5dcecon and dpagaix that needs a correct configure setting.

k5dcecon needs no special things for the compile except whatever is needed on the target system to compile dce programs.
(On aix the dce compile flags are: -D_THREAD_SAFE -D_AIX32_THREADS=1 -D_AIX41 -D_AES_SOURCE
or one can use xlc_r4 if it is version 3.6.4 or later)

k5dcecon wants the following libs (on aix 4.3):
-lidce (and setenv from somewhere)

dpagaix is only needed on AIX (see k5dfspag.c).
dpagaix needs dfspag.exp and is linked with
ld -edpagaix -o dpagaix dpagaix.o dfspag.exp

Hope to get this into heimdal soon :-) although I know that you will have to
change some things to get it cleanly into configure. Since I don't know the
structure of the code (heimdal), nor enough of configure, good enough I
just won't try it myself.

One more thing, to get this to work one has to put fcache_version = x in
krb5.conf where x = whatever the DCE implementation understands, (usually
1 or 2).
Thanks for adding that...

"ke Sandgren (ake@hpc2n.umu.se)
HPC2N
Umeå University
Sweden

PS
I have now added patches for configure.in and some Makefile.am's to get this
all cleanly (I hope) into heimdal.

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@end macro

@vskip 20pt plus 1fil
@end macro

@macro copyrightstart{}
@end macro

@macro copyrightend{}
@end macro

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@comment node-name, next, previous, up
@appendix Copyrights and Licenses

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@item KCM credential cache.
@item HDB LDAP backend.
@end table

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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

AES in libhcrypto

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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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(GEnie : OUTER; CIS : [71755,204]) Graven Imagery, 1992.

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Windows support

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1.3842 mime-support 3.62

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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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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

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* 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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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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Upstream-Contact: Michael Kerrisk <mtk.manpages@gmail.com>, linux-man@vger.kernel.org
Source: https://www.kernel.org/pub/linux/docs/man-pages/

Files: Changes Changes.old Makefile README *Announce *lsm
    proj.man-pages.desc proj.man-pages.pages
Copyright: 2005-2016 Michael Kerrisk
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Files: scripts/*
Copyright: 2005-2008 & 2013 Michael Kerrisk
    2013 Peter Schiffer <pschiffe@redhat.com>
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Files: debian/*
Copyright: 1996-2010 Joey Schulze <joey@infodrom.org>
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    2011-2015 Simon Paillard <spaillard@debian.org>
    2015-2016 Dr. Tobias Quathamer <toddy@debian.org>
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Files: man3/CIRCLEQ_ENTRY.3 man3/CIRCLEQ_HEAD.3 man3/CIRCLEQ_INIT.3
    man3/CIRCLEQ_INSERT_AFTER.3 man3/CIRCLEQ_INSERT_BEFORE.3
    man3/CIRCLEQ_INSERT_HEAD.3 man3/CIRCLEQ_INSERT_TAIL.3
    man3/CIRCLEQ_REMOVE.3 man3/LIST_EMPTY.3 man3/LIST_ENTRY.3
    man3/LIST_FIRST.3 man3/LIST_FOREACH.3 man3/LIST_HEAD.3
    man3/LIST_HEAD_INITIALIZER.3 man3/LIST_INIT.3
    man3/LIST_INSERT_AFTER.3 man3/LIST_INSERT_BEFORE.3
    man3/LIST_INSERT_HEAD.3 man3/LIST_NEXT.3 man3/LIST_REMOVE.3
    man3/LIST_REMOVE.3 man3/LIST_INSERT_BEFORE.3
    man3/LIST_REMOVE.3 man3/LIST_REMOVE_HEAD.3
    man3/STAILQ_CONCAT.3 man3/STAILQ_EMPTY.3 man3/STAILQ_ENTRY.3
    man3/STAILQ_HEAD_INITIALIZER.3 man3/STAILQ_INIT.3
    man3/STAILQ_INSERT_AFTER.3 man3/STAILQ_INSERT_HEAD.3
    man3/STAILQ_INSERT_TAIL.3 man3/STAILQ_NEXT.3 man3/STAILQ_REMOVE.3
    man3/STAILQ_REMOVE.3 man3/STAILQ_REMOVE_HEAD.3
    man3/STAILQ_REMOVE.3
Files: man3/alphasort.3 man3/scandir.3 man3/scandirat.3 man3/versionsort.3
Copyright: (C) 1993 David Metcalfe (david@prism.demon.co.uk)
(c) 2006, Michael Kerrisk
(c) 2012, Mark R. Bannister <cambridge@users.sourceforge.net>
License: GPL-2+ and verbatim

Files: man5/dir_colors.5
Copyright: (could not be detected automatically)
License: LDPv1

Files: man2/futex.2 man2/getitimer.2 man2/piconfig_iobase.2
  man2/piconfig_read.2 man2/piconfig_write.2 man2/setitimer.2
man2/vhangup.2 man2/vm86.2 man2/vm86old.2 man2/vmsplice.2 man2/wait.2
man2/wait3.2 man2/wait4.2 man2/waitid.2 man2/waitpid.2 man2/write.2
man2/writev.2 man3/CMMSG_ALIGN.3 man3/CMMSG_DATA.3 man3/CMMSG_FIRSTHDR.3
man3/CMMSG_LEN.3 man3/CMMSG_NXTHDR.3 man3/CMMSG_SPACE.3 man3/CPU_ALLOC.3
man3/CPU_EQUAL_S.3 man3/CPU_FREE.3 man3/CPU_ISET.3
man3/INFINITY.3 man3/NAN.3 man3/ fibufsize.3 man3/ fibfr.3
man3/ fpending.3 man3/ fpurge.3 man3/ freadable.3
man3/ freading.3 man3/ fsetlocking.3 man3/ fwriteable.3
man3/ fwriting.3 man3/ ppc get timebase.3
man3/ ppc_get_timebase_freq.3 man3/ ppc_mdio.3 man3/ ppc_mdoom.3
man3/ ppc_set_ppr_low.3 man3/ ppc_set_ppr_med.3
man3/ ppc_set_ppr_med_high.3 man3/ ppc_set_ppr_med_low.3
man3/ ppc_set_ppr very_low.3 man3/ ppc_yield.3 man3/ flushlbf.3
man3/abort.3 man3/abs.3 man3/acos.3 man3/acosl.3 man3/acosh.3
man3/acoshf.3 man3/acoshl.3 man3/acosl.3 man3/addrment.3
man3/adjtime.3 man3/aio_init.3 man3/aligned alloc.3 man3/asctime.3
man3/asctime r.3 man3/asin.3 man3/asinf.3 man3/asinhl.3 man3/assinf.3
man3/assinh.3 man3/assinh.3 man3/asprintf.3 man3/assert.3
man3/assert perror.3 man3/atam.3 man3/atam2.3 man3/atan2.3
man3/atan2l.3 man3/atanf.3 man3/atanhl.3 man3/atanh.3
man3/atahl.3 man3/atexi.3 man3/atoi.3 man3/ato.3
man3/atoll.3 man3/atoi.3 man3/basename.3 man3/bcmp.3 man3/bcopy.3
man3/be16toh.3 man3/be32toh.3 man3/be64toh.3 man3/bindresvport.3
man3/bsd_signal.3 man3/bsearch.3 man3/bstring.3 man3/byteorder.3
man3/bzero.3 man3/calloc.3 man3/canonicalize file name.3
man3/catclose.3 man3/catgets.3 man3/catopen.3 man3/cbrt.3
man3/cbrtf.3 man3/cbrtl.3 man3/ceil.3 man3/ceilf.3 man3/ceill.3
man3/clearenv.3 man3/clearerr_unlocked.3 man3/clock.3
man3/clock_gettimeclockid.3 man3/clock_getres.3 man3/clock_gettime.3
man3/clock_settime.3 man3/closedir.3 man3/closelog.3 man3/cmsg.3
man3/confstr.3 man3/copy.3 man3/copy.3 man3/copy.3 man3/copy.3
man3/cos.3 man3/cos.3 man3/cosf.3 man3/cosh.3 man3/coshf.3 man3/coshl.3
man3/cosl.3 man3/ctermid.3 man3/ctime.3 man3/ctime r.3 man3/cuserid.3
man3/daylight.3 man3/difftime.3 man3/dirfd.3 man3/dimame.3
man3/div.3 man3/dl Iterate phdr.3 man3/dladdr.3 man3/dladdr1.3
man3/dlinfo.3 man3/dn_comp.3 man3/dn_expand.3 man3/drand48.3
man3/drand48 r.3 man3/drem.3 man3/dremf.3 man3/dreml.3
man3/duplocale.3 man3/dysize.3 man3/eaccess.3 man3/ecvt.3
man3/ecvt r.3 man3/edata.3 man3/end.3 man3/endsent.3 man3/endgrent.3
man3/endhostent.3 man3/endpoint.3 man3/endnetent.3 man3/endnetent.3
man3/endprotoent.3 man3/endpwent.3 man3/endservent.3
man3/endusershell.3 man3/erand48.3 man3/erand48 r.3 man3/erf.3
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Non Maintainer Upload of this Package

If you plan to work on an NMU for this package, read the following closely. It can save you and me some grief.
1. At first, contact the maintainer (i.e. send a mail to joey@debian.org, do not cc or bounce a mail, send a plain mail, not copied to any mailing list or the BTS) and ask about the status of the bug you are considering to work on.

2. In this mail include all information relevant for this problem, i.e. include a description of the bug and not only its bug number.

3. If the maintainer is not able or willing to fix the problem or does not respond within four days, continue with step 4.

4. Work on the bug and prepare a patch. Do not upload into the Debian archive.

5. Send the entire patch, together with enough explanations, to the maintainer for reviewing and ask him for permission of an NMU using this patch.

6. IF AND ONLY IF the maintainer approves the patch (or doesn't respond within four days), upload the NMU to the incoming directory and send the patch to the BTS. If the NMU is not approved, go back to 4. or add the NMU to your homepage, but do not upload it to the Debian archive.

7. Properly sized and well-written patches sent to the BTS are always appreciated, even if they are rejected later. They demonstrate a potential solution which could probably improved into a real solution.

8. NEVER change the way a package is maintained in an NMU, i.e. don't remove dh_* stuff or switch to dh_* respectively. This rule applies to all NMU's, not only to an NMU for this package.

These rules always apply. They even apply if somebody declares NMUs as ok and reduces regular NMU rules to a delay of zero days. Unless I'm on vacation or on a show I am reachable via mail, so there is hardly a reason not to contact me.

```
#!/usr/bin/python3
#
# Copyright 2016 Dr. Tobias Quathamer <todd@debian.org>
#
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# it under the terms of the GNU General Public License as published by
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import re
import sys
import textwrap
from pathlib import Path

license_information = [
    {
        'shortname': 'BSD-3-clause',
        'filename': 'BSD-3-clause-UCB',
        'upstream_names': ['BSD_3_CLAUSE_UCB'],
    },
    {
        'shortname': 'BSD-4-clause',
        'filename': 'BSD-4-clause-UCB',
        'upstream_names': ['BSD_4_CLAUSE_UCB', 'BSD_ONELINE_CDROM'],
    },
    {
        'shortname': 'Expat',
        'filename': 'Expat',
        'upstream_names': ['PERMISSIVE_MISC', 'MIT'],
    },
    {
        'shortname': 'freely-redistributable',
        'filename': 'freely-redistributable',
        'upstream_names': ['FREELY_REDISTRIBUTABLE'],
    },
    {
        'shortname': 'GPL-2',
        'filename': 'GPL-2',
        'upstream_names': ['GPLv2_MISC', 'GPLv2_ONELINE'],
    },
    {
        'shortname': 'GPL-2+',
        'filename': 'GPL-2+',
        'upstream_names': ['GPLv2+_DOC_FULL', 'GPLv2+_DOC_MISC',
                           'GPLv2+_DOC_ONEPARA', 'GPLv2+_SW_3_PARA'],
    },
'GPLv2+_SW_ONEPARA'],
],

# This shortname is not defined by the standard.
'shortname': 'henry-spencer-regex',
'filename': 'henry-spencer-regex',
'upstream_names': ['MISC'],
],

# This shortname is not defined by the standard.
'shortname': 'LDPv1',
'filename': 'LDPv1',
'upstream_names': ['LDPv1'],
],

# This shortname is not defined by the standard.
'shortname': 'public-domain',
'filename': 'public-domain',
'upstream_names': ['PUBLIC_DOMAIN'],
],

# This shortname is not defined by the standard.
'shortname': 'verbatim',
'filename': 'verbatim',
'upstream_names': ['VERBATIM', 'VERBATIM_ONE_PARA',
'VERBATIM_TWO_PARA', 'VERBATIM_PROF'],
]

licenses_with_manpages = {}
symlinks = {}

def get_license_shortname(name):
    """Gets the Debian shortname for the name supplied by upstream.

    Includes a check that upstream's names are only assigned
to one shortname.
    ""
    shortname = ""
    already_found = False
    for info in license_information:
        if name in info['upstream_names']:
            if not already_found:
                shortname = info['shortname']
                already_found = True
            else:
                sys.exit("Fatal error: Upstream license name defined multiple times: " + name)
    return shortname
def add_manpage_to_shortname(manpage, copyright_holders, licenses):
    # Ensure a string for the filename
    filename = str(manpage)
    # Strip the leading "./"
    filename = filename[3:len(filename)]
    # Common case: only one license for the manpage, so
    # the shortname is just e.g. "GPL-2+"
    shortname = " and ".join(sorted(licenses))
    if shortname not in licenses_with_manpages:
        licenses_with_manpages[shortname] = {'files': [filename], 'copyright': copyright_holders}
    else:
        licenses_with_manpages[shortname]['files'].append(filename)
    # Do not add same lines twice
    existing_copyright_holders = licenses_with_manpages[shortname]['copyright']
    joined_copyright_holders = list(set(existing_copyright_holders + copyright_holders))
    licenses_with_manpages[shortname]['copyright'] = joined_copyright_holders

def get_copyright_stanza(shortname, file_info):
    stanza = ""
    # Collect files and symlinks into a common list
    all_files = file_info['files']
    for file in file_info['files']:
        if file in symlinks:
            all_files = all_files + symlinks[file]
    # Join the files into a whitespace separated list,
    # at most 76 characters long
    files = " ".join(sorted(all_files))
    # The wrap is 69 + 7 (length of "Files: ") = 76
    files = textwrap.wrap(files, width=69, break_long_words=False, break_on_hyphens=False)
    files = "\n   ".join(files)
    # Now format the copyright holders
    copyright = "\n           ".join(sorted(file_info['copyright']))
    # An empty field is an error, so ensure a value
    if len(copyright) == 0:
        copyright = "(could not be detected automatically)"
    # Finally, create the stanza
    stanza += "Files: " + files
    stanza += "\nCopyright: " + copyright
    stanza += "\nLicense: " + shortname + "\n"
    return stanza

def get_license_text(shortname):
    """Gets the text for the Debian license shortname."
    text = ""
    for info in license_information:
        if info['shortname'] == shortname:
            text += "License: " + shortname + "\n"
    with open("licenses/" + info['filename']) as licensefile:
for line in licensefile:
    text += " " + line
return text

p = Path("..")
for manpage in p.glob("man?/*"):  
    with manpage.open() as file:
        licenses = []
        copyright_holders = []
        manpage_is_symlink = False
        for line in file:
            # Do not create copyright stanzas for symlink files
            # but add them to a symlink list
            symlink = re.search(r"^\..so (.*)", line)
            if symlink:
                manpage_is_symlink = True
            # Ensure a string for the filename
            linkname = str(manpage)
            # Strip the leading "./"
            linkname = linkname[3:len(linkname)]
            filename = symlink.group(1)
            if filename in symlinks:
                symlinks[filename].append(linkname)
            else:
                symlinks[filename] = [linkname]
            break
        # Only parse the header, so stop after seeing ".TH"
        if re.search(r"^\..TH\", line):
            break
        # Extract all copyright holders
        copyright = re.search(r"^\..\\ Copyright (.*)\", line)
        if copyright:
            copyright_holders.append(copyright.group(1))
        # Match the beginning of the license
        license_start = re.search(r"^\..LICENSE_START\((.*)\)\", line)
        if license_start:
            license_name = license_start.group(1)
            license_short_name = get_license_shortname(license_name)
            if not license_short_name:
                sys.exit("Fatal error: Upstream license name not known: " + license_name)
            licenses.append(license_short_name)
            if not manpage_is_symlink:
                add_manpage_to_shortname(manpage, copyright_holders, licenses)

        # Flatten the symlinks by detecting and removing
        # a symlink which points to another symlink.
        for link_to_test in symlinks:
            break

# Now cycle through all symlink entries
for link in symlinks:
    if link_to_test in symlinks[link]:
        symlinks[link] = symlinks[link] + symlinks[link_to_test]

    # Make sorting of licenses deterministic
    stanzas = ""
    license_texts = []
    for shortname in sorted(licenses_with_manpages):
        stanzas += get_copyright_stanza(shortname, licenses_with_manpages[shortname])
        text = get_license_text(shortname)
        if text:
            license_texts.append(text)

    # Read in the first lines of copyright, without
    # the automatically generated parts. Stop after
    # the third occurrence of "License".
    manual_lines = ""
    license_line_count = 0
    with open("copyright") as copyright_file:
        for line in copyright_file:
            manual_lines += line
            if re.search(r"^License:", line):
                license_line_count += 1
            if license_line_count == 3:
                # Add a final newline for separation
                manual_lines += "\n"
                break

    # Open the file for output
    with open("copyright", "w") as copyright_file:
        copyright_file.write(manual_lines)
        copyright_file.write(stanzas)
        copyright_file.write("\n".join(license_texts))

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That's all there is to it!
/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)
 * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
 *
 * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
 * http://www.hypermall.com/
 * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY interrupts us (except possibly for removal/insertion of the cable?)
 * 10/4/97 - began heavy inline documentation of the code. Corrected typos and spelling mistakes.
 * 10/5/97 - added code to handle PHY interrupts, disable PHY on loss of link, and correctly re-enable PHY when link is re-established. (put back CFG_PHYIE)*/
Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.

R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997

Linux driver for the IDT77201 NICStAR PCI ATM controller.
PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
see init_nicstar() for PHY initialization to change this. This driver
expects the Linux ATM stack to support scatter-gather lists
(skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.

Implementing minimal-copy of received data:
IDT always receives data into a small buffer, then large buffers
as needed. This means that data must always be copied to create
the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
Fix is simple: make large buffers large enough to hold entire
SDU, and leave <small_buffer_data> bytes empty at the start. Then
copy small buffer contents to head of large buffer.
Trick is to avoid fragmenting Linux, due to need for a lot of large
buffers. This is done by 2 things:
1) skb->destroyor / skb->atm.recycle_buffer
combined, allow nicstar_free_rx_skb to be called to
recycle large data buffers
2) skb_clone of received buffers
See nicstar_free_rx_skb and linearize_buffer for implementation
details.

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M. Welsh, 6 July 1996
*/

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import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.javado.Tag;

/**
   * A simple Taglet which handles Copyright information.
   */
   public class CopyrightTaglet implements Taglet {

   private static final String NAME = "copyright";
   private static final String HEADER = "Copyright:";

   public String getName() {
       return NAME;
   }

   public boolean inField() {
       return true;
   }

   public boolean inConstructor() {
       return true;
   }

   public boolean inMethod() {
       return true;
   }

   public boolean inOverview() {
       return true;
   }

   public boolean inPackage() {
       return true;
   }

   public boolean inType() {
       return true;
   }
public boolean isInlineTag() {
    return false;
}

public static void register(Map tagletMap) {
    CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
    tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
}

public String toString(Tag tag) {
    return toString(new Tag[] { tag });
}

public String toString(Tag[] tags) {
    if (tags.length == 0) {
        return null;
    }
    else {
        boolean haveValidTag = false;
        for (int i = 0; i < tags.length && !haveValidTag; ++i) {
            if (tags[i].text().length() > 0) {
                haveValidTag = true;
            }
        }
        if (haveValidTag) {
            StringBuffer result = new StringBuffer();
            result.append("<dl>\n");
            for (int i = 0; i < tags.length; i++) {
                if (tags[i].text().length() > 0) {
                    result.append("<dt><i>Copyright \&#169; \" + tags[i].text() + "\</dt>\n");
                }
            }
            result.append("</dl>\n");
            return result.toString();
        }
        else {
            return null;
        }
    }
}

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The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

// DO NOT EDIT THIS FILE - it is machine generated
#include <java/lang/Object.h>
extern "Java"
{
namespace java
{
namespace security
{
  class Permission;
  class PermissionCollection;
}
}
}
class java::security::Permission : public ::java::lang::Object
{

public:
  Permission(::java::lang::String *);
  virtual void checkGuard(::java::lang::Object *);
  virtual jboolean implies(::java::security::Permission *) = 0;
  virtual jboolean equals(::java::lang::Object *) = 0;
  virtual jint hashCode() = 0;
  virtual ::java::lang::String * getName();
  virtual ::java::lang::String * getActions() = 0;
  virtual ::java::security::PermissionCollection * newPermissionCollection();
  virtual ::java::lang::String * toString();

private:
  static const jlong serialVersionUID = -5636570222231596674LL;
  ::java::lang::String *__attribute__((aligned(__alignof__(::java::lang::Object)))) name;

public:
  static ::java::lang::Class class$;
};

#endif // __java_security_Permission__
@ignore
@c Set file name and title for man page.
@setfilename gpl
@settitle GNU General Public License
@c man begin SEEALSO
  gfdl(7), fsf-funding(7).
@c man end
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This program comes with ABSOLUTELY NO WARRANTY; for details type @samp{show w}. This is free software, and you are welcome to redistribute it under certain conditions; type @samp{show c} for details.
@end smallexample

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@end c man end

/* Permission.java -- The superclass for all permission objects

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package java.security;

import gnu.java.lang.CPStringBuilder;

import java.io.Serializable;

/**
 * This class is the abstract superclass of all classes that implement
 * the concept of a permission. A permission consists of a permission name
 * and optionally a list of actions that relate to the permission. The
 * actual meaning of the name of the permission is defined only in the
 * context of a subclass. It may name a resource to which access permissions
 * are granted (for example, the name of a file) or it might represent
 * something else entirely. Similarly, the action list only has meaning
 * within the context of a subclass. Some permission names may have no
 * actions associated with them. That is, you either have the permission
 * or you don't.
 * *
 * <p>The most important method in this class is <code>implies</code>. This
 * checks whether if one has this permission, then the specified
 * permission is also implied. As a conceptual example, consider the
 * permissions "Read All Files" and "Read File foo". The permission
 * "Read All Files" implies that the caller has permission to read the
 * file foo.
public abstract class Permission implements Guard, Serializable {

    private static final long serialVersionUID = -5636570222231596674L;

    private String name;

    public Permission(String name) {
        this.name = name;
    }

    public void checkGuard(Object obj) {
        // This method implements the Guard interface for this class.
        // It calls the checkPermission method in SecurityManager with this Permission as its argument. This method returns silently if the security check succeeds or throws an exception if it fails.
        // @param obj the Object being guarded - ignored by this class
        // @throws SecurityException if the security check fails
        // @see GuardedObject
        // @see SecurityManager#checkPermission(Permission)
    }
}
SecurityManager sm = System.getSecurityManager();
if (sm != null)
    sm.checkPermission(this);
}

/**
 * This method tests whether this <code>Permission</code> implies that the
 * specified <code>Permission</code> is also granted.
 *
 * @param perm the <code>Permission</code> to test against
 * @return true if perm is implied by this
 */
public abstract boolean implies(Permission perm);

/**
 * Check to see if this object equals obj. Use <code>equals</code>, rather
 * than <code>equals</code>, when making access control decisions.
 *
 * @param obj the object to compare to
 */
public abstract boolean equals(Object obj);

/**
 * This method returns a hash code for this <code>Permission</code>. It
 * must satisfy the contract of <code>Object.hashCode</code>: it must be
 * the same for all objects that equals considers to be the same.
 *
 * @return a hash value
 */
public abstract int hashCode();

/**
 * Get the name of this <code>Permission</code>.
 *
 * @return the name
 */
public final String getName()
{
    return name;
}

/**
 * This method returns the list of actions for this <code>Permission</code>
 * as a <code>String</code>. The string should be in canonical order, for
 * example, both <code>new FilePermission(f, "write,read")</code> and
 * <code>new FilePermission(f, "read,write")</code> have the action list
 * "read,write".
 *
public abstract String getActions();

/**
 * This method returns an empty PermissionCollection object that can store permissions of this type, or null if no such collection is defined. Subclasses must override this to provide an appropriate collection when one is needed to accurately calculate <code>implies</code>.
 * @return a new PermissionCollection
 */
public PermissionCollection newPermissionCollection()
{
    return null;
}

/**
 * This method returns a String representation of this Permission object. This is in the format:
 * <code>'(' + getClass().getName() + ' ' + getName() + ' ' + getActions + ')'</code>.
 * @return this object as a String
 */
public String toString()
{
    CPStringBuilder string = new CPStringBuilder();

    string = string.append('(');
    string = string.append(getClass().getName());
    string = string.append(' ');
    string = string.append(getName());
    if (!(getActions().equals("")))
    {
        string = string.append(' ');
        string = string.append(getActions());
    }
    string = string.append(')');
    return string.toString();
}
} // class Permission

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# so that they have the form:
#
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#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
#    update-copyright.pl --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
#    update-copyright.pl --this-year libjava
#
# would run the script on just libjava/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__ (self):
        self.num_errors = 0

def report (self, filename, string):
    if filename:
        string = filename + ': ' + string
    sys.stderr.write (string + '
')
    self.num_errors += 1

def ok (self):
    return self.num_errors == 0

class GenericFilter:
    def __init__ (self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set (]
            # Skip licence files.
            'COPYING',
            'COPYING.LIB',
            'COPYING3',

            #
'COPYING3.LIB',
'LICENSE',
'fdl.texi',
'gpl_v3.texi',
'fdl-1.3.xml',
'gpl-3.0.xml',

# Skip auto- and libtool-related files
'aclocal.m4',
'compile',
'config.guess',
'config.sub',
'depcomp',
'install-sh',
'libtool.m4',
'ltmain.sh',
'ltoptions.m4',
'lt version.m4',
'lt--obsolete.m4',
'missing',
'mkdep',
'mkinstalldirs',
'move-if-change',
'shlibpath.m4',
'symlink-tree',
'ylwrap',

# Skip FSF mission statement, etc.
'gnu.texi',
'funding.texi',
'appendix_free.xml',

# Skip imported texinfo files.
'texinfo.tex',
}

def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile ('	')
    return None

def skip_file (self, dir, filename):
    if filename in self.skip_files:
        return True
(base, extension) = os.path.splitext(os.path.join(dir, filename))
if extension in self.skip_extensions:
    return True

if extension == '.in':
    # Skip .in files produced by automake.
    if os.path.exists(base + '.am'):
        return True

    # Skip files produced by autogen
    if (os.path.exists(base + '.def')
        and os.path.exists(base + '.tpl')):
        return True

    # Skip configure files produced by autoconf
    if filename == 'configure':
        if os.path.exists(base + '.ac'):
            return True
        if os.path.exists(base + '.in'):
            return True

return False

def skip_dir(self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file(self, dir, filename):
    if filename in self.fossilised_files:
        return True
    # Only touch current ChangeLogs.
    if filename != 'ChangeLog' and filename.find('ChangeLog') >= 0:
        return True
    return False

def by_package_author(self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__(self, errors):
        self.errors = errors

        # Characters in a range of years. Include '.' for typos.
        ranges = '[0-9]\([-0-9,.\s]\|s+and\|sls+\)*[0-9]\]

        # Non-whitespace characters in a copyright holder's name.
        name = '\[\w,.-\]'
# Matches one year.
self.year_re = re.compile('[0-9]+')

# Matches part of a year or copyright holder.
self.continuation_re = re.compile(ranges + ']' + name)

# Matches a full copyright notice:
self.copyright_re = re.compile\n\n  # 1: 'Copyright (C)', etc.
  '(\[Cc\]opyright'\n  \[Cc\]opyright\[s+\[Cc\])'\n  \[Cc\]opyright\[s+%s'\n  \[Cc\]opyright\[s+\&copy;'\n  \[Cc\]opyright\[s+@copyright{}'\n  \[Cc\]opyright = u"'\n  \[@set\[s+copyright\[w-\)]')'
\n# 2: the years. Include the whitespace in the year, so that
# we can remove any excess.
'(\s*(?:' + ranges + ',?'\n  '@value\{[^{]*\}\s*)'\n
# 3: 'by ', if used
'(by\s+)?'

# 4: the copyright holder. Don't allow multiple consecutive
# spaces, so that right-margin gloss doesn't get caught
# (e.g. gnat_ugn.texi).
'(\ + name + (?:\+\ + name + +')\+?)'

# A regexp for notices that might have slipped by. Just matching
# 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
# HTML header markers, so check for 'copyright' and two digits.
self.other_copyright_re = re.compile('copyright.*[0-9][0-9]', re.IGNORECASE)

self.comment_re = re.compile('#+|[*]+|;+|%+|//+|@c |dnl ')

self.holders = {'@copying': '@copying'}
self.holder_prefixes = set()

self.use_quilt = False

# True to 'quilt add' files before changing them.
self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s). Could be ',', '.
self.separator = ','
def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find (' ')
    while index >= 0:
        self.holder_prefixes.add (holder[:index])
        index = holder.find (' ', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__ (self, year):
        self.year = year

    def __str__ (self):
        return 'unrecognised year: ' + self.year

def parse_year (self, string):
    year = int (string)
    if len (string) == 2:
        if year > 70:
            return year + 1900
        else:
            return year
    elif len (string) == 4:
        return year
    else:
        raise self.BadYear (string)

def year_range (self, years):
    year_list = [self.parse_year (year)
                 for year in self.year_re.findall (years)]
    assert len (year_list) > 0
    return (min (year_list), max (year_list))

def set_use_quilt (self, use_quilt):
    self.use_quilt = use_quilt

def include_year (self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years (self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith ('@value'):
        return years
    else:
        (min_year, max_year) = self.year_range (years)
# Update the upper bound, if enabled.
if self.max_year and not filter.is_fossilised_file (dir, filename):
    max_year = max (max_year, self.max_year)

# Use a range.
if min_year == max_year:
    return '%d' % min_year
else:
    return '%d-%d' % (min_year, max_year)

def strip_continuation (self, line):
    line = line.lstrip()
    match = self.comment_re.match (line)
    if match:
        line = line [match.end():].lstrip()
    return line

def is_complete (self, match):
    holder = match.group (4)
    return (holder
            and (holder not in self.holder_prefixes
                or holder in self.holders))

def update_copyright (self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join (dir, filename)

    intro = match.group (1)
    if intro.startswith ('@set'):
        # Texinfo year variables should always be on one line
        after_years = line [match.end (2):].strip()
        if after_years != ':
            self.errors.report (pathname,
                'trailing characters in @set: ' + after_years)
            return (False, orig_line, next_line)
    else:
        # If it looks like the copyright is incomplete, add the next line.
        while not self.is_complete (match):
            try:
                next_line = file.next()
            except StopIteration:
                break

        # If the next line doesn’t look like a proper continuation,
        # assume that what we’ve got is complete.
        continuation = self.strip_continuation (next_line)
if not self.continuation_re.match (continuation):
    break

    # Merge the lines for matching purposes.
    orig_line += next_line
    line = line.rstrip() + ' ' + continuation
    next_line = None

    # Rematch with the longer line, at the original position.
    match = self.copyright_re.match (line, match.start())
    assert match

    holder = match.group (4)

    # Use the filter to test cases where markup is getting in the way.
    if filter.by_package_author (dir, filename):
        assert holder not in self.holders

    elif not holder:
        self.errors.report (pathname, 'missing copyright holder')
        return (False, orig_line, next_line)

    elif holder not in self.holders:
        self.errors.report (pathname, 'unrecognised copyright holder: ' + holder)
        return (False, orig_line, next_line)

    else:
        # See whether the copyright is associated with the package
        # author.
        canon_form = self.holders[holder]
        if not canon_form:
            return (False, orig_line, next_line)

        # Make sure the author is given in a consistent way.
        line = (line[:match.start (4)]
               + canon_form
               + line[match.end (4):])

        # Remove any 'by'
        line = line[:match.start (3)] + line[match.end (3):]

        # Update the copyright years.
        years = match.group (2).strip()
        try:
            canon_form = self.canonicalise_years (dir, filename, filter, years)
        except self.BadYear as e:
            self.errors.report (pathname, str (e))
return (False, orig_line, next_line)

line = (line[:match.start (2)]
    + ('' if intro.startswith ('copyright = ') else ' ')
    + canon_form + self.separator
    + line[match.end (2):])

# Use the standard (C) form.
if intro.endswith ('right'):
    intro += ' (C)'
elif intro.endswith ('(c)'):  
    intro = intro[:-3] + '(C)'
line = line[:match.start (1)] + intro + line[match.end (1):]

# Strip trailing whitespace.
line = line.rstrip() + '
'

return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)
        except OSError:
            pass
        return

    lines = []
    changed = False
    line_filter = filter.get_line_filter (dir, filename)
    with open (pathname, 'r') as file:
        prev = None
        for line in file:
            while line:
                next_line = None

                # Leave filtered-out lines alone.
                if not (line_filter and line_filter.match (line)):
                    match = self.copyright_re.search (line)
                    if match:
                        res = self.update_copyright (dir, filename, filter,
                            file, line, match)
                        (this_changed, line, next_line) = res
                        changed = changed or this_changed

                    # Check for copyright lines that might have slipped by.
                    elif self.other_copyright_re.search (line):
                        # ...
self.errors.report (pathname,
    'unrecognised copyright: %s'
) % line.strip()

lines.append (line)

line = next_line

# If something changed, write the new file out.
if changed and self.errors.ok():
    tmp_pathname = pathname + '.tmp'
    with open (tmp_pathname, 'w') as file:
        for line in lines:
            file.write (line)
    if self.use_quilt:
        subprocess.call (["quilt", 'add', pathname])
    os.rename (tmp_pathname, pathname)

def process_tree (self, tree, filter):
    for (dir, subdirs, filenames) in os.walk (tree):
        # Don't recurse through directories that should be skipped.
        for i in xrange (len (subdirs) - 1, -1, -1):
            if filter.skip_dir (dir, subdirs[i]):
                del subdirs[i]

        # Handle the files in this directory.
        for filename in filenames:
            if filter.skip_file (dir, filename):
                sys.stdout.write ('Skipping %s
' % os.path.join (dir, filename))
            else:
                self.process_file (dir, filename, filter)

class CmdLine:
    def __init__ (self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright (self.errors)
        self.dirs = []
        self.default_dirs = []
        self.chosen_dirs = []
        self.option_handlers = dict()
        self.option_help = []

        self.add_option ('--help', 'Print this help', self.o_help)
        self.add_option ('--quilt', '"quilt add" files before changing them',
                        self.o_quilt)
        self.add_option ('--this-year', 'Add the current year to every notice',
                         self.o_this_year)

        def add_option (self, name, help, handler):
self.option_help.append((name, help))
self.option_handlers[name] = handler

def add_dir(self, dir, filter=GenericFilter()):
    self.dirs.append((dir, filter))

def o_help(self, option=None):
    sys.stdout.write('Usage: %s [options] dir1 dir2...

    Options:
' % sys.argv[0])
    format = '%-15s %s
'
    for (what, help) in self.option_help:
        sys.stdout.write(format % (what, help))
    sys.stdout.write('
Directories:
')
    format = '%-25s'
    i = 0
    for (dir, filter) in self.dirs:
        i += 1
        if i % 3 == 0 or i == len(self.dirs):
            sys.stdout.write(dir + '
')
        else:
            sys.stdout.write(format % dir)
    sys.exit(0)

def o_quilt(self, option):
    self.copyright.set_use_quilt(True)

def o_this_year(self, option):
    self.copyright.include_year(time.localtime().tm_year)

def main(self):
    for arg in sys.argv[1:]:
        if arg[0] != '-':
            self.chosen_dirs.append(arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg](arg)
        else:
            self.errors.report(None, 'unrecognised option: ' + arg)

    if self.errors.ok():
        if len(self.chosen_dirs) == 0:
            self.chosen_dirs = self.default_dirs
        if len(self.chosen_dirs) == 0:
            self.o_help()
        else:
            for chosen_dir in self.chosen_dirs:
                canon_dir = os.path.join(chosen_dir, '')
                count = 0
                for (dir, filter) in self.dirs:
if (dir + os.sep).startswith (canon_dir):
    count += 1
    self.copyright.process_tree (dir, filter)
if count == 0:
    self.errors.report (None, 'unrecognised directory: ' + chosen_dir)
sys.exit (0 if self.errors.ok() else 1)

#----------------------------------------------------------------------------
class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True

class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    def skip_file (self, dir, filename):
        if filename.endswith ('.m4'):
            pathname = os.path.join (dir, filename)
            with open (pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find ('gettext-') >= 0:
                    return True
            return GenericFilter.skip_file (self, dir, filename)

class GCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set ([
            # Not part of GCC
            'math-68881.h',
        ])

        self.skip_dirs |= set ([
            # Better not create a merge nightmare for the GNAT folks.
            'ada',

            # Handled separately.
            'testsuite',
        ])

        self.skip_extensions |= set ([
            # Maintained by the translation project.
            '.po',
        ])

Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 40636
self.fossilised_files |= set({
    # Old news won't be updated.
    'ONEWS',
})

class TestsuiteFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_extensions |= set([
            # Don't change the tests, which could be woend by anyone.
            '.c',
            '.C',
            '.cc',  # Maintained by the translation project.
            '.h',
            '.hs',
            '.f',
            '.f90',
            '.go',
            '.inc',
            '.java',
            '.pot',
        ])

    def skip_file(self, dir, filename):
        # g++.niklas/README contains historical copyright information
        # and isn't updated.
        if filename == 'README' and os.path.basename(dir) == 'g++.niklas':
            return True
        return GenericFilter.skip_file(self, dir, filename)

class LibCppFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_extensions |= set([
            # Maintained by the translation project.
            '.po',  # Automatically-generated.
            '.pot',
        ])

class LibGCCFilter(GenericFilter):
    def __init__(self):
GenericFilter.__init__(self)

self.skip_dirs |= set([
    # Imported from GLIBC.
    'soft-fp',
])

class LibJavaFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_dirs |= set([
            # Handled separately.
            'testsuite',

            # Not really part of the library
            'contrib',

            # Imported from upstream
            'classpath',
            'libltdl',
        ])  

    def get_line_filter(self, dir, filename):
        if filename == 'NameDecoder.h':
            return re.compile('.*NAME_COPYRIGHT')
        if filename == 'ICC_Profile.h':
            return re.compile('.*icSigCopyrightTag')
        return GenericFilter.get_line_filter(self, dir, filename)

class LibMudflapFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_dirs |= set([
            # Handled separately.
            'testsuite',
        ])  

class LibStdCxxFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_files |= set([
            # Contains no copyright of its own, but quotes the GPL.
            'intro.xml',
        ])
self.skip_dirs |= set(
    # Contains automatically-generated sources.
    'html',

    # The testsuite data files shouldn't be changed.
    'data',

    # Contains imported images
    'images',
)

self.own_files |= set(
    # Contains markup around the copyright owner.
    'spine.xml',
)

def get_line_filter(self, dir, filename):
    if filename == 'boost_concept_check.h':
        return re.compile('// (C) Copyright Jeremy Siek')
    return GenericFilter.get_line_filter(self, dir, filename)

class GCCCopyright(Copyright):
    def __init__(self, errors):
        Copyright.__init__(self, errors)
        canon_fsf = 'Free Software Foundation, Inc.'
        self.add_package_author('Free Software Foundation', canon_fsf)
        self.add_package_author('Free Software Foundation.', canon_fsf)
        self.add_package_author('Free Software Foundation Inc.', canon_fsf)
        self.add_package_author('Free Software Foundation, Inc', canon_fsf)
        self.add_package_author('Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author('The Free Software Foundation', canon_fsf)
        self.add_package_author('The Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author('Software Foundation, Inc.', canon_fsf)

        self.add_external_author('ARM')
        self.add_external_author('AdaCore')
        self.add_external_author('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
        self.add_external_author('Cavium Networks.')
        self.add_external_author('Faraday Technology Corp.')
        self.add_external_author('Florida State University')
        self.add_external_author('Greg Colvin and Beman Dawes.')
        self.add_external_author('Hewlett-Packard Company')
        self.add_external_author('Information Technology Industry Council.')
        self.add_external_author('James Theiler, Brian Gough')
        self.add_external_author('Makoto Matsumoto and Takuji Nishimura')
        self.add_external_author('National Research Council of Canada.')
        self.add_external_author('Peter Dimov and Multi Media Ltd.')
class GCCCmdLine (CmdLine):
    def __init__ (self):
        CmdLine.__init__ (self, GCCCopyright)

        self.add_dir ('.', TopLevelFilter())
        # boehm-gc is imported from upstream.
        self.add_dir ('config', ConfigFilter())
        # contrib isn't really part of GCC.
        self.add_dir ('fixincludes')
        self.add_dir ('gcc', GCCFilter())
        self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir ('gnattools')
        self.add_dir ('include')
        self.add_dir ('libada')
        self.add_dir ('libatomic')
        self.add_dir ('libbacktrace')
        self.add_dir ('libc++', LibCppFilter())
        self.add_dir ('libdeciumber')
        # libffi is imported from upstream.
        self.add_dir ('libgcc', LibGCCFilter())
        self.add_dir ('libgfortran')
        self.add_dir ('libgomp')
        self.add_dir ('libiberty')
        self.add_dir ('libitm')
        self.add_dir ('libobjc')
        self.add_dir ('libquadmath')
        # libsanitiser is imported from upstream.
        self.add_dir ('libssp')
        self.add_dir ('libstdc++-v3', LibStdCxxFilter())
self.add_dir('lto-plugin')
# zlib is imported from upstream.

self.default_dirs = [
    'gcc',
    'libada',
    'libatomic',
    'libbacktrace',
    'libcpp',
    'libdecmumber',
    'libgcc',
    'libgfortran',
    'libgomp',
    'libitm',
    'libmudflap',
    'libobjc',
    'libstdc++-v3',
]

GCCCmdLine().main()

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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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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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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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   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.

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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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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 uses the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)
Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

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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
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      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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Version 3.1, 31 March 2009

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<http://www.gnu.org/licenses/>. */

/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using
underscores, we are using prefix `.s to identify labels that should
be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line
   that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE,SIZE) \
...
/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation.
and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood. Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Peterson (jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D. Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied Linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detiefs (detiefs@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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/**
 * This interface provides information about a permission that can be granted. Note that this is <em>not</em> the same as the class <code>java.security.Permission</code>. *
 * @version 0.0 *
 * @author Aaron M. Renn (arenn@urbanophile.com) *
 */

public interface Permission {

/**
 * This method tests whether or not a specified <code>Permission</code> (passed as an <code>Object</code>) is the same as this permission.
 *
 * @param perm The permission to check for equality
 *
 * @return <code>true</code> if the specified permission is the same as this one, <code>false</code> otherwise
 */

boolean equals (Object perm);

/**
 * This method returns this <code>Permission</code> as a <code>String</code>. *
 *
 * @return A <code>String</code> representing this permission. *
 */

String toString();
}

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... Automatically generated by Pod::Man 2.16 (Pod::Simple 3.05)
...

Standard preamble:
```
`````
Set up some character translations and predefined strings. \*-- will give an unbreakable dash, \*PI will give pi, \*L" will give a left double quote, and \*R" will give a right double quote. \*C+ will give a nicer C++. Capital omega is used to do unbreakable dashes and therefore won't be available. \*C" and \*C' expand to `` in nroff, nothing in troff, for use with C<>.

\*tr \*W-
\sd C+ C\v'-1p\h'-1p\v'-2+p\h'-1p+\s0\v'.1v\h'-1p'
\ie n \{
  \sd -- \*W-
  \sd PI pi
  \if (\n(\H=4u)&(\im=24u) \sd -- \*W\h'-12u\(\*W\h'-12u\'-- diablo 10 pitch
  \if (\n(\H=4u)&(\im=20u) \sd -- \*W\h'-12u\(\*W\h'-8u\'-- diablo 12 pitch
  \sd L" "'
  \sd R" "'
  \sd C" "'
  \sd C' "'
'br\}
\el\{
  \sd -- \ae \{\(em\}
  \sd PI \^p
  \sd L' "'
  \sd R' "'
'br\}
\v'
\v' Escape single quotes in literal strings from groff's Unicode transform.
\ie \n(.g .ds Aq \{aq
\el .ds Aq '
\v'
\v' If the F register is turned on, we'll generate index entries on stderr for titles (.TH), headers (.SH), subsections (.Sh), items (.Ip), and index entries marked with X<> in POD. Of course, you'll have to process the output yourself in some meaningful fashion.
\ie \nF \{
  \de IX
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fudge factors for nroff and troff

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Maglev 1.7.0 1.7.283  40738
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```
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SEE ALSO

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gfdl(7), sf-funding(7).
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// DO NOT EDIT THIS FILE - it is machine generated -*- c++ -*-

#ifndef __gnu_javax_sound_AudioSecurityManager$Permission__
#define __gnu_javax_sound_AudioSecurityManager$Permission__
#define __gnu_javax_sound_AudioSecurityManager$Permission__
#pragma interface

#include <java/lang/Enum.h>
#include <gcj/array.h>

extern "Java"
{
namespace gnu
{
namespace javax
{
namespace sound
{
class AudioSecurityManager$Permission;
}
}
}
}

class gnu::javax::sound::AudioSecurityManager$Permission : public ::java::lang::Enum
{

AudioSecurityManager$Permission(::java::lang::String *, jint);
public:
static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * values();
static ::gnu::javax::sound::AudioSecurityManager$Permission * valueOf(::java::lang::String *);
static ::gnu::javax::sound::AudioSecurityManager$Permission * PLAY;
static ::gnu::javax::sound::AudioSecurityManager$Permission * RECORD;
static ::gnu::javax::sound::AudioSecurityManager$Permission * ALL;
private:
static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * ENUM$VALUES;
public:
static ::java::lang::Class class$;
}

#endif // __gnu_javax_sound_AudioSecurityManager$Permission__

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1.3893 pytest-asyncio 0.12.0

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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 (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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The End
1.3912 antlr-runtime 4.5.1-1

1.3913 openssh-sftp-server 1:7.9p1-10~ubuntu18.04.fips.0.2

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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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1.3915 libbz 1.0.6-7+b3

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

--------------------------------------------------------------------------
import io
import re

from setuptools import find_packages
from setuptools import setup

with io.open("README.rst", "rt", encoding="utf8") as f:
    readme = f.read()

with io.open("src/jinja2/__init__.py", "rt", encoding="utf8") as f:
    version = re.search(r"__version__ = "(.*)"", f.read(), re.M).group(1)

setup(
    name="Jinja2",
    version=version,
    url="https://palletsprojects.com/p/jinja/",
    project_urls=
        {"Documentation": "https://jinja.palletsprojects.com/",
        "Code": "https://github.com/pallets/jinja",
        "Issue tracker": "https://github.com/pallets/jinja/issues",
        },
    license="BSD-3-Clause",
    author="Armin Ronacher",
    author_email="armin.ronacher@active-4.com",
    maintainer="Pallets",
    maintainer_email="contact@palletsprojects.com",
    description="A very fast and expressive template engine.",
    long_description=readme,
    classifiers=[
        "Development Status :: 5 - Production/ Stable",
        "Environment :: Web Environment",
        "Intended Audience :: Developers",
        "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 :: 3.5",
        "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 :: WWW/HTTP :: Dynamic Content,
Topic :: Software Development :: Libraries :: Python Modules,
"Topic :: Text Processing :: Markup :: HTML",
]
packages=find_packages("src"),
package_dir={"": "src"},
include_package_data=True,
python_requires=">=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*, !=3.4.*",
install_requires=["MarkupSafe>=0.23"],
extras_require={"i18n": ["Babel>=0.8"]},
entry_points={"babel.extractors": ["jinja2 = jinja2.ext:babel_extract[i18n]"]},

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1072419655_1594999666.02/0/jinja2-2-11-1-1-tar-gz/Jinja2-2.11.1/setup.py

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Metadata-Version: 2.1
Name: Jinja2
Version: 2.11.1
Summary: A very fast and expressive template engine.
Home-page: https://palletsprojects.com/p/jinja/
Author: Armin Ronacher
Author-email: armin.ronacher@active-4.com
Maintainer: Pallets
Maintainer-email: contact@palletsprojects.com
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Project-URL: Code, https://github.com/pallets/jinja
Description: Jinja

Jinja is a fast, expressive, extensible templating engine. Special placeholders in the template allow writing code similar to Python syntax. Then the template is passed data to render the final document.

It includes:

- Template inheritance and inclusion.
- Define and import macros within templates.
- HTML templates can use autoescaping to prevent XSS from untrusted user input.
- A sandboxed environment can safely render untrusted templates.
- AsyncIO support for generating templates and calling async functions.
- I18N support with Babel.
- Templates are compiled to optimized Python code just-in-time and cached, or can be compiled ahead-of-time.
- Exceptions point to the correct line in templates to make debugging easier.
- Extensible filters, tests, functions, and even syntax.

Jinja's philosophy is that while application logic belongs in Python if possible, it shouldn't make the template designer's job difficult by restricting functionality too much.

Installing

--------
Install and update using `pip`:

.. code-block:: text

$ pip install -U Jinja2


In A Nutshell
-------------

.. code-block:: jinja

{% extends "base.html" %}
{% block title %}Members{% endblock %}
{% block content %}
<ul>
{% for user in users %}
<li><a href="{{ user.url }}">{{ user.username }}</a></li>
{% endfor %}
</ul>
{% endblock %}

Links
-----

- Website: https://palletsprojects.com/p/jinja/
- Documentation: https://jinja.palletsprojects.com/
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- Official chat: https://discord.gg/t6rrQZH

Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
Classifier: Environment :: Web Environment
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: BSD License
Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python
Classifier: Programming Language :: Python :: 2
Classifier: Programming Language :: Python :: 2.7
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1.3917 libitm 8.3.0-6

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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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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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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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
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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
Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
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e) Verify that the user has already received a copy of these
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@heading TERMS AND CONDITIONS

@enumerate 0
@item Definitions.

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DRuntime: Runtime Library for the D Programming Language
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    This is the Debian GNU/Linux packaged version of the GNU core
    utilities.

    This package is maintained by Michael Stone <mstone@debian.org> and
    built from sources obtained from:

    This debian package was first created by Michael Stone <mstone@debian.org>,
    from coreutils 4.5.1.

    Changes:
    * added Debian GNU/Linux package maintenance system files
* at times, bug fixes awaiting inclusion in the upstream source

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1.3927 build-essential 12.4ubuntu1

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1.3928 python-chardet 2.3.0-1

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--------

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Metadata-Version: 1.1
Name: netifaces
Version: 0.10.4
Summary: Portable network interface information.
Home-page: https://bitbucket.org/al45tair/netifaces
Author: Alastair Houghton
Author-email: alastair@alastairs-place.net
License: MIT License
Description: netifaces 0.10.4

.. image:: https://drone.io/bitbucket.org/al45tair/netifaces/status.png
   :target: https://drone.io/bitbucket.org/al45tair/netifaces/latest
   :alt: Build Status

1. What is this?

It's been annoying me for some time that there's no easy way to get the address(es) of the machine's network interfaces from Python. There is a good reason for this difficulty, which is that it is virtually impossible to do so in a portable manner. However, it seems to me that there should be a package you can easy_install that will take care of working out the details of doing so on the machine you're using, then you can get on with writing Python code without concerning yourself with the nitty gritty of system-dependent low-level networking APIs.

This package attempts to solve that problem.

2. How do I use it?

First you need to install it, which you can do by typing:

```bash
tar xzvf netifaces-0.10.4.tar.gz
cd netifaces-0.10.4
python setup.py install
```

Once that's done, you'll need to start Python and do something like the
>>> import netifaces

Then if you enter

```python
>>> netifaces.interfaces()
['lo0', 'gif0', 'stf0', 'en0', 'en1', 'fw0']
```

you'll see the list of interface identifiers for your machine.

You can ask for the addresses of a particular interface by doing

```python
>>> netifaces.ifaddresses('lo0')
{18: [{'addr': ''}], 2: [{'peer': '127.0.0.1', 'netmask': '255.0.0.0', 'addr': '127.0.0.1'}], 30: [{'peer': '::1', 'netmask': 'ffff:ffff:ffff:ffff:ffff:ffff:ffff:ffff', 'addr': '::1'}, {'peer': '', 'netmask': 'ffff:ffff:ffff:ffff::', 'addr': 'fe80::1%lo0'}]}
```

Hmmmm. That result looks a bit cryptic; let's break it apart and explain what each piece means. It returned a dictionary, so let's look there first:

```python
{ 18: [...], 2: [...], 30: [...] }
```

Each of the numbers refers to a particular address family. In this case, we have three address families listed; on my system, 18 is ``AF_LINK`` (which means the link layer interface, e.g. Ethernet), 2 is ``AF_INET`` (normal Internet addresses), and 30 is ``AF_INET6`` (IPv6).

But wait! Don't use these numbers in your code. The numeric values here are system dependent; fortunately, I thought of that when writing netifaces, so the module declares a range of values that you might need. e.g.

```python
>>> netifaces.AF_LINK
18
```

Again, on your system, the number may be different.

So, what we've established is that the dictionary that's returned has one entry for each address family for which this interface has an address. Let's take a look at the ``AF_INET`` addresses now:

```python
>>> addrs = netifaces.ifaddresses('lo0')
>>> addrs[netifaces.AF_INET]
[{'peer': '127.0.0.1', 'netmask': '255.0.0.0', 'addr': '127.0.0.1'}]
```

You might be wondering why this value is a list. The reason is that it's possible for an interface to have more than one address, even within the same family. I'll say that again: *you can have more than one address of the same type associated with each interface*.
*Asking for "the" address of a particular interface doesn't make sense.*

Right, so, we can see that this particular interface only has one address, and, because it's a loopback interface, it's point-to-point and therefore has a *peer* address rather than a broadcast address.

Let's look at a more interesting interface.

```python
>>> addrs = netifaces.ifaddresses('en0')
>>> addrs[netifaces.AF_INET]
[{'broadcast': '10.15.255.255', 'netmask': '255.240.0.0', 'addr': '10.0.1.4'}, {'broadcast': '192.168.0.255', 'addr': '192.168.0.47'}]
```

This interface has two addresses (see, I told you...) Both of them are regular IPv4 addresses, although in one case the netmask has been changed from its default. The netmask *may not* appear on your system if it's set to the default for the address range.

Because this interface isn't point-to-point, it also has broadcast addresses.

Now, say we want, instead of the IP addresses, to get the MAC address; that is, the hardware address of the Ethernet adapter running this interface. We can do

```python
>>> addrs[netifaces.AF_LINK]
[{'addr': '00:12:34:56:78:9a'}]
```

Note that this may not be available on platforms without getifaddrs(), unless they happen to implement ``SIOCGIFHWADDR``. Note also that you just get the address; it's unlikely that you'll see anything else with an ``AF_LINK`` address.

Oh, and don't assume that all ``AF_LINK`` addresses are Ethernet; you might, for instance, be on a Mac, in which case:

```python
>>> addrs = netifaces.ifaddresses('fw0')
>>> addrs[netifaces.AF_LINK]
[{'addr': '00:12:34:56:78:9a:bc:de'}]
```

No, that isn't an exceptionally long Ethernet MAC address---it's a FireWire address.

As of version 0.10.0, you can also obtain a list of gateways on your machine:

```python
>>> netifaces.gateways()
{2: [('10.0.1.1', 'en0', True), ('10.2.1.1', 'en1', False)], 30: [(fe80::1', 'en0', True), 'default': { 2: ('10.0.1.1', 'en0'), 30: ('fe80::1', 'en0') ]
```
This dictionary is keyed on address family---in this case, ``AF_INET``---and each entry is a list of gateways as ``(address, interface, is_default)`` tuples. Notice that here we have two separate gateways for IPv4 (``AF_INET``); some operating systems support configurations like this and can either route packets based on their source, or based on administratively configured routing tables.

For convenience, we also allow you to index the dictionary with the special value ``'default'``, which returns a dictionary mapping address families to the default gateway in each case. Thus you can get the default IPv4 gateway with

```python
>>> gws = netifaces.gateways()
>>> gws['default'][netifaces.AF_INET]
('10.0.1.1', 'en0')
```

Do note that there may be no default gateway for any given address family; this is currently very common for IPv6 and much less common for IPv4 but it can happen even for ``'AF_INET'``.

BTW, if you're trying to configure your machine to have multiple gateways for the same address family, it's a very good idea to check the documentation for your operating system *very* carefully, as some systems become extremely confused or route packets in a non-obvious manner.

I'm very interested in hearing from anyone (on any platform) for whom the ``gateways()`` method doesn't produce the expected results. It's quite complicated extracting this information from the operating system (whichever operating system we're talking about), and so I expect there's at least one system out there where this just won't work.

3. This is great! What platforms does it work on?

-----------------------------

It gets regular testing on OS X, Linux and Windows. It has also been used successfully on Solaris, and it's expected to work properly on other UNIX-like systems as well. If you are running something that is not supported, and wish to contribute a patch, please use BitBucket to send a pull request.

4. What license is this under?

-------------------------------

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5. Why the jump to 0.10.0?
--------------------------

Because someone released a fork of netifaces with the version 0.9.0. Hopefully skipping the version number should remove any confusion. In addition starting with 0.10.0 Python 3 is now supported and other features/bugfixes have been included as well. See the CHANGELOG for a more complete list of changes.

Platform: UNKNOWN
Classifier: Development Status :: 4 - Beta
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: MIT License
Classifier: Topic :: System :: Networking
Classifier: Programming Language :: Python
Classifier: Programming Language :: Python :: 2
Classifier: Programming Language :: Python :: 2.5
Classifier: Programming Language :: Python :: 2.6
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3

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netifaces 0.10.4
================

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   :target: https://drone.io/bitbucket.org/al45tair/netifaces/latest
   :alt: Build Status
1. What is this?
--------------

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Once that's done, you'll need to start Python and do something like the following::

    >>> import netifaces

Then if you enter

    >>> netifaces.interfaces()
    ['lo0', 'gif0', 'stf0', 'en0', 'en1', 'fw0']

you'll see the list of interface identifiers for your machine.

You can ask for the addresses of a particular interface by doing

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    {18: [{'addr': ''}], 2: [{'peer': '127.0.0.1', 'netmask': '255.0.0.0', 'addr': '127.0.0.1'}], 30: [{'peer': '::1', 'netmask': '::ffff:ffff:ffff:ffff:ffff:ffff:ffff:ffff', 'addr': '::1'}, {'peer': '', 'netmask': '::ffff:ffff:ffff:ffff:ffff:ffff:ffff:ffff', 'addr': 'fe80::1%lo0'}]}

Hmmm. That result looks a bit cryptic; let's break it apart and explain what each piece means. It returned a dictionary, so let's look there first::

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5. Why the jump to 0.10.0?

Because someone released a fork of netifaces with the version 0.9.0. Hopefully skipping the version number should remove any confusion. In addition starting with 0.10.0 Python 3 is now supported and other features/bugfixes have been included as well. See the CHANGELOG for a more complete list of changes.
license="MIT License",
'License :: OSI Approved :: MIT License',

Found in path(s):
* /opt/cola/permits/1119811825_1609793496.72/0/netifaces-0-10-4-1-tar-gz/netifaces-0.10.4/README.rst

1.3946 libgpg-error 1.27 6
1.3946.1 Available under license :
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* /opt/ws_local/PERMITS_SQL/1075110691_1596052563.16/0/spring-security-cas-3-1-0-release-sources-jar/org/springframework/security/cas/web/authentication/ServiceAuthenticationDetailsSource.java
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1.3953 python3-json-pointer 1.10 1

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Upstream-Name: python-json-pointer
Source: git://github.com/stefankoegl/python-json-pointer.git

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1.3954 rsync 3.1.1-3

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* /opt/cola/permits/1120584026_1615570446.33/0/netty-buffer-4-0-37-final-sources-
  jar/io/netty/buffer/WrappedCompositeByteBuf.java
* /opt/cola/permits/1120584026_1615570446.33/0/netty-buffer-4-0-37-final-sources-
  jar/io/netty/buffer/UnpooledUnsafeNoCleanerDirectByteBuf.java
* /opt/cola/permits/1120584026_1615570446.33/0/netty-buffer-4-0-37-final-sources-
  jar/io/netty/buffer/SimpleLeakAwareCompositeByteBuf.java
* /opt/cola/permits/1120584026_1615570446.33/0/netty-buffer-4-0-37-final-sources-
  jar/io/netty/buffer/AdvancedLeakAwareCompositeByteBuf.java
* /opt/cola/permits/1120584026_1615570446.33/0/netty-buffer-4-0-37-final-sources-
  jar/io/netty/buffer/DuplicatedAbstractByteBuf.java
* /opt/cola/permits/1120584026_1615570446.33/0/netty-buffer-4-0-37-final-sources-
  jar/io/netty/buffer/UnsafeByteBufUtil.java
* /opt/cola/permits/1120584026_1615570446.33/0/netty-buffer-4-0-37-final-sources-
  jar/io/netty/buffer/SlicedAbstractByteBuf.java
* /opt/cola/permits/1120584026_1615570446.33/0/netty-buffer-4-0-37-final-sources-
  jar/io/netty/buffer/PooledUnsafeHeapByteBuf.java
* /opt/cola/permits/1120584026_1615570446.33/0/netty-buffer-4-0-37-final-sources-
  jar/io/netty/buffer/PooledUnsafeSubpageMetric.java
* /opt/cola/permits/1120584026_1615570446.33/0/netty-buffer-4-0-37-final-sources-
  jar/io/netty/buffer/AbstractUnsafeSwappedByteBuf.java
* /opt/cola/permits/1120584026_1615570446.33/0/netty-buffer-4-0-37-final-sources-

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  jar/io/netty/buffer/DuplicatedAbstractByteBuf.java
* /opt/cola/permits/1120584026_1615570446.33/0/netty-buffer-4-0-37-final-sources-
  jar/io/netty/buffer/UnsafeByteBufUtil.java
* /opt/cola/permits/1120584026_1615570446.33/0/netty-buffer-4-0-37-final-sources-
  jar/io/netty/buffer/SlicedAbstractByteBuf.java
* /opt/cola/permits/1120584026_1615570446.33/0/netty-buffer-4-0-37-final-sources-
  jar/io/netty/buffer/PooledUnsafeHeapByteBuf.java
* /opt/cola/permits/1120584026_1615570446.33/0/netty-buffer-4-0-37-final-sources-
  jar/io/netty/buffer/PooledUnsafeSubpageMetric.java
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jar/io/netty/buffer/CompositeByteBuf.java
* /opt/cola/permits/1120584026_1615570446.33/0/netty-buffer-4.0.37-final-sources-
1.3962 e2fsprogs 1.44.1 1ubuntu1.3

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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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Theodore Ts'o
23-June-2007

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If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

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If such an object file uses only numerical parameters, data
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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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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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)

$(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-strip: install
install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$ (RM) -f $(DESTDIR)/$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$ (RM) -rf pic
$ (RM) -f $(BSD_LIB)
$ (RM) -f ../$(BSD_LIB)
This is the Debian GNU/Linux prepackaged version of the Common Error
Description library. It is currently distributed together with the EXT2 file
system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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Gadi Oxman, August 1995

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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We call this license the "Lesser" General Public License because it does Less to protect the user’s freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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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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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)
Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
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You must give prominent notice with each copy of the work that the
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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
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d) If distribution of the work is made by offering access to copy
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It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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@heading TERMS AND CONDITIONS

@enumerate 0

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@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.

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@end example
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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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1.3968 pyyaml 5.3.1

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* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/internal/Version.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/internal/ws/WebSocketReader.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/TlsVersion.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/internal/Internal.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/internal/http/RealResponseBody.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/internal/ws/WebSocketWriter.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/ConnectionSpec.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/FormBody.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/RequestBody.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/CipherSuite.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/MultipartBody.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/RealCall.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/Credentials.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/internal/http2/Header.java
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  */opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/OkHttpClient.java
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* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/internal/connection/ConnectInterceptor.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/ConnectionPool.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/internal/connection/RealConnection.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/Headers.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/internal/tls/CertificateChainCleaner.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/internal/tls/DistinguishedNameParser.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/internal/cache/CacheInterceptor.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/internal/tls/OkHostnameVerifier.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/internal/http/BridgeInterceptor.java

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* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/internal/HttpCodec.java
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* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/RequestLine.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/Http2Codec.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/http/RequestLine.java
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* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/MediaType.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/Handshake.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/HttpURLConnection.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/internal/http2/ErrorCode.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/internal/http/UnrepeatableRequestBody.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/internal/http/RealInterceptorChain.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/internal/platform/JdkWithJettyBootPlatform.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/internal/platform/StreamResetException.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/internal/platform/RealWebSocket.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/internal/cache/InternalCache.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/internal/cache/Relay.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/internal/cache2/CacheStrategy.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/internal/cache/InternalCache.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/internal/connection/RouteDatabase.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/Dispatcher.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/Response.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/Request.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/Route.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/ConnectionShutdownException.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/internal/http/StatusLine.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/internal/http2/RealWebSocket.java
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* /opt/cola/permits/1163925149_1620933609.26/0-okhttp-3-6-0-sources-1-jar-okhttp3/internal/tls/TrustRootIndex.java
* /opt/cola/permits/1163925149_1620933609.26/0-okhttp-3-6-0-sources-1-jar-okhttp3/internal/tls/BasicCertificateChainCleaner.java
* /opt/cola/permits/1163925149_1620933609.26/0-okhttp-3-6-0-sources-1-jar-okhttp3/internal/http/RetryAndFollowUpInterceptor.java
* /opt/cola/permits/1163925149_1620933609.26/0-okhttp-3-6-0-sources-1-jar-okhttp3/internal/http/CallServerInterceptor.java
* /opt/cola/permits/1163925149_1620933609.26/0-okhttp-3-6-0-sources-1-jar-okhttp3/internal/cache2/FileOperator.java
* /opt/cola/permits/1163925149_1620933609.26/0-okhttp-3-6-0-sources-1-jar-okhttp3/internal/platform/Jdk9Platform.java
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* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/internal/connection/RouteException.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/internal/connection/StreamAllocation.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/internal/io/FileSystem.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/internal/connection/ConnectionSpecSelector.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/HttpUrl.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/Authenticator.java
* /opt/cola/permits/1163925149_1620933609.26/0/okhttp-3-6-0-sources-1-jar/okhttp3/internal/cache/FaultHidingSink.java

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Metadata-Version: 2.0
Name: maglev-common
Version: 1.5.12
Summary: Maglev Common (1.5.12)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: PyYAML (==3.12)
Requires-Dist: ipcalc (==1.99.0)
Requires-Dist: kubernetes (==10.0.0)
Requires-Dist: maglev-api (>=1.5.0)
Requires-Dist: maglev-appserver (~=1.6.0)
Requires-Dist: monotonic (>=1.1)
Requires-Dist: pykube (==0.15.0)
Requires-Dist: python-etcd (==0.4.5)
Requires-Dist: requests (>=2.13.0)
# Installation

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  zip/inputdir/packages_extracted/targz/1/packages_extracted/1/packages_extracted/1/packages_extracted/1/maglev_c-
  ommon-1.5.12.dist-info/METADATA

1.3971 libkeyutils 1.5.9-5+b1

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Upstream-Name: keyutils
Upstream-Contact: David Howells <dhowells@redhat.com>
Source: http://people.redhat.com/~dhowells/keyutils/

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  jar/io/netty/buffer/UnsafeDirectSwappedByteBuf.java
* /opt/cola/permits/1111379114_1606904713.96/0/netty-buffer-4-1-16-final-sources-3-
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* /opt/cola/permits/1111379114_1606904713.96/0/netty-buffer-4-1-16-final-sources-3-
  jar/io/netty/buffer/PooledByteBufAllocatorMetric.java
* /opt/cola/permits/1111379114_1606904713.96/0/netty-buffer-4-1-16-final-sources-3-
  jar/io/netty/buffer/ByteBufAllocatorMetricProvider.java
* /opt/cola/permits/1111379114_1606904713.96/0/netty-buffer-4-1-16-final-sources-3-
  jar/io/netty/buffer/PoolChunkListMetric.java
* /opt/cola/permits/1111379114_1606904713.96/0/netty-buffer-4-1-16-final-sources-3-
  jar/io/netty/buffer/UnpooledDuplicatedByteBuf.java
* /opt/cola/permits/1111379114_1606904713.96/0/netty-buffer-4-1-16-final-sources-3-
  jar/io/netty/buffer/UnpooledUnsafeHeapByteBuf.java
* /opt/cola/permits/1111379114_1606904713.96/0/netty-buffer-4-1-16-final-sources-3-
  jar/io/netty/buffer/PoolSubpageMetric.java
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  jar/io/netty/buffer/PoolChunkMetric.java
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  jar/io/netty/buffer/AbstractUnsafeSwappedByteBuf.java
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  jar/io/netty/buffer/UnpooledSlicedByteBuf.java
* /opt/cola/permits/1111379114_1606904713.96/0/netty-buffer-4-1-16-final-sources-3-
  jar/io/netty/buffer/UnsafeByteBufUtil.java
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  jar/io/netty/buffer/PoolPageMetric.java
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  jar/io/netty/buffer/UnpooledByteBuf.java
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  jar/io/netty/buffer/UnsafeDirectByteBuf.java
* /opt/cola/permits/1111379114_1606904713.96/0/netty-buffer-4-1-16-final-sources-3-
  jar/io/netty/buffer/PoolPageMetric.java
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  jar/io/netty/buffer/UnpooledByteBuf.java
* /opt/cola/permits/1111379114_1606904713.96/0/netty-buffer-4-1-16-final-sources-3-
  jar/io/netty/buffer/UnsafeDirectByteBuf.java
* /opt/cola/permits/1111379114_1606904713.96/0/netty-buffer-4-1-16-final-sources-3-
  jar/io/netty/buffer/PoolPageMetric.java
* /opt/cola/permits/1111379114_1606904713.96/0/netty-buffer-4-1-16-final-sources-3-
  jar/io/netty/buffer/UnpooledByteBuf.java
* /opt/cola/permits/1111379114_1606904713.96/0/netty-buffer-4-1-16-final-sources-3-
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## The Unicode Standard, Unicode Character Database, Version 10.0.0

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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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Go support for Protocol Buffers - Google's data interchange format

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procfs provides functions to retrieve system, kernel and process
metrics from the pseudo-filesystem proc.

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* /opt/cola/permits/1176281734_1624666648.55/0/nifty-core-0-23-0-sources-jar/com/facebook/nifty/core/NettyServerTransport.java
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Source Files
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. The file 'src/libs/snprintf/snprintf.c', written by Mark Martinec
  <mark.martinec@ijs.si>.

Please look into snprintf.c for the copyright message.

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  http://www.ijs.si/software/snprintf/.

. The `grn' preprocessor, written by Barry Roitblat <barry@rentonww.com> and David Slattengren <slatteng@Xinet.COM>. These files have been part of the original Berkeley ditroff distribution, without AT&T code, and are in the public domain.

The original package can be found at

  src/preproc/grn/gprint.h
  src/preproc/grn/hdb.cpp
  src/preproc/grn/hgraph.cpp
  src/preproc/grn/hpoint.cpp
  src/preproc/grn/main.cpp

. The `gxditview' output device. It is based on X11's `xditview' program and thus has the X license.

  src/devices/xditview/DESC.in
  src/devices/xditview/Dvi.c
  src/devices/xditview/Dvi.h
  src/devices/xditview/DviP.h
  src/devices/xditview/FontMap
  src/devices/xditview/GXditview.ad
Macro Packages
--------------

. The -mdoc macro set, using the BSD license.

  tmac/doc.tmac
tmac/doc-old.tmac
tmac/doc-common
tmac/doc-ditroff
tmac/doc-nroff
tmac/doc-syms
tmac/groff_mdoc.man

. The -me macro set, using the BSD license.

  tmac/e.tmac
tmac/groff_me.man
doc/meintro.me
doc/meintro_fr.me
Hyphenation Patterns

The file `tmac/hyphen.us' is identical to the file `hyphen.tex', part of the TeX system written by Donald E. Knuth; the master file can be found at

ftp://labrea.stanford.edu/pub/tex/dist/lib/hyphen.tex

It has been renamed for consistency, i.e., to make patterns available under the filenames `hyphen.<language>', e.g. `hyphen.de' or `hyphen.uk'.

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The file `tmac/hyphen.fr' contains the same patterns as the file `frhyph.tex' (for TeX), which can be found at

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The files `tmac/hyphen.det' and `tmac/hyphen.den' contain the same patterns as the files `dehyphn.tex' and `dehyphntex' (for TeX), which can be found at

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The file `tmac/hyphenex.det' is identical to the file `dehyphntex.tex', which can be found at
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The file `tmac/hyphen.cs' contains the same patterns as the file `czhyphen.tex' (for TeX), which can be found in the archive

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---

teardown:
- do:
  license.post:
    acknowledge: true
    body: |
      {"licenses": [{"uid": "3aa62ffe-36e1-4fad-bfde-9d8ff8301eb22","type": "trial","issue_date_in_millis": 1523456691721,"expiry_date_in_millis": 1838816691721,"max_nodes": 5,"issued_to": "customer","issuer": "elasticsearch","signature": "AAAAABAAABAAkWNcuc+DT0lrlnYZKAAAIAnq/x6hrsGhiGqrJmy4qgmeEC7gK0U4zQ6q5ZEMhm4jAAAAABEn6fMGy2VxKbu2T3D5hhf56kzOQOCDOhhr0y2d17ZIUMZnRo07ZywpPCWNS1aR33GhIfHkTER0ysML0xMGxXavhyRvMBndJ0UBKzuwpTawSlxYtcqN8mSBlvJC7KI+eu1SpAICZ22P9fnRlgwXqBItw7YnZxZzu9DKrOWru/fpTP0bo7jcePl8VTK6nWFe7/hCFDQ7TFUZjQvd+nsq7A1匹HGNsGffGbMvAMCXgGWkrFrT3cLo9/avdro+isNyhsPq9nM7gwsvBAktA1FrpH2EXXYYibOsSpBvUmhYMrElG1k3/CbS0pCWLKOaX1xTXmosydOjazzU3auZXYy","start_date_in_millis": -1 } ]}
---

"Installing and getting license works":

## current license version
- do:
  license.post:
    acknowledge: true
    body: |
      {"licenses": [{"uid": "894371de-9t49-4997-93cb-8o2e3r7fa6a8","type": "trial","issue_date_in_millis": 1411948800000,"expiry_date_in_millis": 1916956799999,"max_nodes": 1,"issued_to": " issuedTo","issuer": "issuer","signature": "AAAAAgAAAA0FWh0T9njltjQ2qamMaAABmC9ZN0hjZDBBGy/uyrVrXpcOW5Sb3fjZDa0OWpSbTVoMVZwUzRvxV1PSmkaxxZdW5IMhITHNoN1N2MXMvRfk4d3ITZEXx3R3RZ0puzWJKZnQvSEFv0ppTHBkWkprZWZQ9iMNROkWk1SpL0N0DazCSC095MXRGNiU1ZlpYcVvTTNte2dzdhZzrzDFQrN3JQeGwxh0U0MXZ0dDJSERiZTVLOHnSdByWnpoZEpZHBEZjUrTVbhRENNSXNswWJzZlaOdDzVemEzUjNigxNhKtNWGM5TUhQV2plau04Q1JOuml4MXNuL0pSOEhQaVB2azhmUk9QVz9hFeTfoqM1Q0rnJXSG535Mkwk2K055c28zM5RvKflb2JSQkFLV2XXUmV4VHDZ22R3o2VE1qlbVNSQSlxOHN5bUErzJN1WkZSVmZlWEtaSU79wTTJENDVvT1NCYkIvacUYyK2FwRw9xa06dLIdMbnmMzSGiqc3FWOTgZ3ZUCmXVqk2RUZwMFJnZzvL.2d2bDRWUzh6U5pdENGWFReXKNNkE9pQAAAQBZhvozA0
- match: { license_status: "valid" }

- do:

  license.get: {}

### a license object has 11 attributes
- length: { license: 11 }

### bwc for licenses format
- do:

  license.post:

  acknowledge: true

  body: |

  ```
  {"licenses": [{"uid":"893361dc-9749-4997-93cb-802e3d7fa4a8","type":"gold","issue_date_in_millis":1411948800000,"expiry_date_in_millis":1914278399999,"max_nodes":1,"issued_to":"issued_to","issuer":"issuer","signature":"AAAAAwAAAA2T3vqdBBetKQaBxipAAABmc9ZN0hjZDBGYnVyRXpCOW5Bb3FjZDAxOWpSbTVoMVZwUrzVkJPSmkxakxZdW5IMlhTHNoN1N2MXMvRFk4d3J7tZEx3R3RRZpuzU3lobWJKZnQvSEFvaoppTHBkWkpzZWZ6QN9iNmRQNkw1SpL901flZCS095MXRGN1lIlZpYeVVTTnFrcTE2dzhJZmZrDFqtn3QeGwxb0U0MXZ0dJH5ERiZTVLOHnZsDByWnpozEphZHBEZjUrTVBrRENNSnxWWjZl4OddivVmeU2JiNHwtNWMG5TUhbVQ2piaUo4Q1JOUml4MXNuL0pSOEhQaVB2azhnmUK9QzhFeTFoM1Q0RnuJXSG53MWk2K05c28xSmRnVkJb2JSQKFLV2VUXmVHNDDZ2R3o2VE1qhVNQS2hxOHN5bUERZINIIkVZSrmZIWETaSU9wTTJENDTgT1NCyklacUYyK2FwRW9xa06dlbMmMzSQtGQ3FmWOTgzZ3UcXMvQkt2RUzwMFJnZzlL2d2DRUwzh6UG5pdENGFWRzEXNNknkE9PQAABBpGFYgawlMnzzT80LvcLHjyI/v2uSzCQWkdXXhrwSY4WrAhUk/+PEiQ7aEpW5erLslj5KLg6OEZJDaP7+r+mpOuLr0++l5j4DMn7ybMzOPXWbc6LETE3+ppGZPomwsDKZSRUegTc1R2R6z+mdnGrhOYM80y08KVWwhdUDHw41MK2ePo6tq73Nz49y9Idg9fxAt04gEBPbnTDBVBQ25Ajuy8s0aM5eg9rdDRayw1KamYWrara8PIGX+2YjhtUeQhnlCPdixe9wECJ7/knPs5b13ZoXQR3fyXhjcsXNHIEIblqLrMCa3pLxs7II+KPYMa2ZY/lambda4P"}]
  ```

- match: { license_status: "valid" }

- do:

  license.get: {}

- length: { license: 11 }

### license version: 1.x
- do:

  license.post:

  acknowledge: true

  body: |

  ```
  {"licenses": [{"uid":"893361dc-9749-4997-93cb-802e3d7fa4a8","type":"subscription","subscription_type":"gold","issue_date_in_millis":1411948800000,"feature":"
```
- match: { license_status: "valid" }

- do:  

  license.get: {}

- length: { license: 11 }

---

# multiple licenses version: 1.x

- do:  

  license.post:

  acknowledge: true

  body: |
  ```json
  {"licenses":[
  {"uid":"893361dc-9749-4997-93cb-802e3d7fa4a8","type":"internal","subscription_type":"none","issue_date_in_millis":1443484800000,"feature":"watcher","expiry_date_in_millis":1914278399999,"max_nodes":1,"issued_to":null,"issuer":null,"signature":null}
  ]}

```
- match: { license_status: "valid" }

- do:
  license.get: {}

- length: { license: 11 }
- match: { license.uid: "893361dc-9749-4997-93cb-8023d0f7aa" }---

"Should throw 404 after license deletion":
- do:
  license.delete: {}
- match: { acknowledged: true }

- do:
  license.get: {} catch: missing

---

"Should install a feature type license":

# VERSION_NO_FEATURE_TYPE license version
- do:
  license.post:
    acknowledge: true
    body: |
      "license": {
        "uid": "893361dc-9749-4997-93cb-8023d0f7aa", 
        "type": "gold",
        "issue_date_in_millis": 1411948800000,
        "expiry_date_in_millis": 1914273999999,
        "max_nodes": 1,
        "issued_to": "issued_to",
        "issuer": "issuer",
        "signature": "AAAAAgAAAA3U8+YmnvwC+CWsV/mRAABmC9ZN0hjZDBGYnVyRXpCOW5Bb3FjZDAxOWpSbTVoMVZwUzRxVk1PSmxaXZdW5fMhlhTHNoN1N2MXMvRfRk4d37TZe3X3RRZ0pzU3lobWJKZnQvSEFva0ppTTHkWprZWQSKI9InmRNkw1SlpLN0iDalZC S095MXRGN1lIzYcVVTnFrcTE2dzhZnZdFQrN3JQceGwxb0U0MZX0dDHSErZTV5L0HmSDByWnpOZ EphilZHEBZjUrTRhVhRENNSSHnWWJZjJlaODzdVmEzUjNiWktWNM5TUhQV2plaUo4QJOUm4MNXnul0pS OEpQvAaFB2azhmUuk9QVzhFtFmo1Qf03QMcFG18Ez2Rv2MkHk2fSrz5Wc958Sm9RvFk1b2JSQfFL2V5YmUvHMDZzR3 o2VE1qbVNQS2lxOHN5bUeRZINWkZSVmZlWeEAU9wTTJENDVvTF1NCYklacUYyK2FwRUW9xa06ddMmbMzSGIcQ3FWOTgZ3ZUmVXMvQkt2RUZwMFJnzZvL2d2bDRW
MzSGrQ3FWOTgZ3ZUmVXMvQkt2RUZwMFJnzZvL2d2bDRW
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VBY7ij4WnoP3ce7Jzs9TWhHn+IqzfC6" }}]}}
"Cannot start basic":

- do:
  - match: { license_status: "valid" }
  - do:
    license.get: {}
  - length: { license: 11 }
  ---

"Cannot start basic":

- do:
  - catch: bad_request
    license.post:
      acknowledge: true
      body: |
          "license":{"uid":"893361dc-9749-4997-93be-8023ed7fa4af","type":"basic","issue_date_in_millis":1411948800000,"expiry_date_in_millis":1914273999999,"max_nodes":1,"issued_to":null,"issuer":null,"signature":null}

- match: { error.root_cause.0.reason: 'Installing basic licenses is no longer allowed. Use the POST /_license/start_basic API to install a basic license that does not expire.' }

"Should fail gracefully when body content is not provided":

- do:
  - catch: bad_request
    license.post:
      acknowledge: true

- match: { error.root_cause.0.reason: 'The license must be provided in the request body' }

"Current license is trial means not eligible to start trial":

- do:
  license.get_trial_status: {}
- match: { eligible_to_start_trial: false }
  - do:
    license.post_start_basic:
      acknowledge: true
- match: { basic_was_started: true }
  - do:
    license.get_trial_status: {}
- match: { eligible_to_start_trial: false }
  - do:
    catch: forbidden
    license.post_start_trial:
      acknowledge: true
- match: { trial_was_started: false }
  - match: { error_message: "Operation failed: Trial was already activated." }
  ---
  "Trial license cannot be basic":
  - do:
    catch: bad_request
    license.post_start_trial:
      type: "basic"
      acknowledge: true
  ---
  "Can start basic license if do not already have basic":
  - do:
    license.get_basic_status: {}
- match: { eligible_to_start_basic: true }
  - do:
    license.post_start_basic:
      acknowledge: true
- match: { basic_was_started: true }
  - match: { acknowledged: true }
  - do:
    license.get_basic_status: {}
- match: { eligible_to_start_basic: false }
  - do:
    catch: forbidden
license.post_start_basic: { }

- match: { basic_was_started: false }
- match: { acknowledged: true }
- match: { error_message: "Operation failed: Current license is basic." }

"Must acknowledge to start basic":
- do:
  license.post_start_basic: { }

- match: { basic_was_started: false }
- match: { acknowledged: false }
- match: { error_message: "Operation failed: Needs acknowledgement." }

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*/
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<head>
<meta charset="utf-8">
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null
Jul 7, 2017

Update year in notice.

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- dfish3r

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---

Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 41805
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</button>

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165 Bytes
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<td id="LC1" class="blob-code blob-code-inner js-file-line">Cryptacular Java Library</td>
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The license can be deleted using the `deleteLicense()` method:

```java
"source","java",subs="attributes,callouts,macros"
--------------------------------------------------------------------
include-tagged::{doc-tests}/LicensingDocumentationIT.java[delete-license-execute]
--------------------------------------------------------------------
```

The returned `DeleteLicenseResponse` contains the `acknowledged` flag, which returns true if the request was processed by all nodes.

```java
"source","java",subs="attributes,callouts,macros"
--------------------------------------------------------------------
include-tagged::{doc-tests}/LicensingDocumentationIT.java[delete-license-response]
--------------------------------------------------------------------
```

<1> Check the acknowledge flag. It should be true if license deletion is acknowledged.

```java
"source","java",subs="attributes,callouts,macros"
--------------------------------------------------------------------
include-tagged::{doc-tests}/LicensingDocumentationIT.java[delete-license-response]
--------------------------------------------------------------------
```

This request can be executed asynchronously:
The `DeleteLicenseRequest` to execute and the `ActionListener` to use when the execution completes.

The asynchronous method does not block and returns immediately. Once it is completed the `ActionListener` is called back using the `onResponse` method if the execution successfully completed or using the `onFailure` method if it failed.

A typical listener for `DeleteLicenseResponse` looks like:

```java
include-tagged::{doc-tests}/LicensingDocumentationIT.java[delete-license-execute-listener]
```

1. Called when the execution is successfully completed. The response is provided as an argument
2. Called in case of failure. The raised exception is provided as an argument

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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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Set to `basic` (default) to enable basic [xpack] features. +

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    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
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    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
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This API enables you to update your license.

```
[role="xpack"]
[testenv="basic"]
[[update-license]]
=== Update license API
++++
<titleabbrev>Update license</titleabbrev>
++++

You can update your license at runtime without shutting down your nodes.
License updates take effect immediately. If the license you are installing does
not support all of the features that were available with your previous license,
however, you are notified in the response. You must then re-submit the API
request with the `acknowledge` parameter set to `true`.

For more information about the different types of licenses, see
https://www.elastic.co/subscriptions.
Query Parameters

`acknowledge`:
(boolean) Specifies whether you acknowledge the license changes. The default value is `false`.

Request Body

`licenses`:
(array) A sequence of one or more JSON documents containing the license information.

Authorization

If {security-features} are enabled, you need `manage` cluster privileges to install the license.

If {security-features} are enabled and you are installing a gold or platinum license, you must enable TLS on the transport networking layer before you install the license. See <<configuring-tls>>.

Examples

The following example updates to a basic license:

[source.js]

```javascript
POST /_license
{
  "licenses": [
    {
      "uid":"893361dc-9749-4997-93cb-802e3d7fa4xx",
      "type":"basic",
      "issue_date_in_millis":1411948800000,
      "expiry_date_in_millis":1914278399999,
      "max_nodes":1,
      "issued_to":"issuedTo",
      "issuer":"issuer",
      "signature":"xx"
    }
  ]
}
```
NOTE: These values are invalid; you must substitute the appropriate content from your license file.

You can also install your license file using a `curl` command. Be sure to add `@` before the license file path to instruct curl to treat it as an input file.

```
curl -XPUT -u <user> 'http://<host>:<port>/_license' -H "Content-Type: application/json" -d @license.json
```

On Windows, use the following command:

```
Invoke-WebRequest -uri http://<host>:<port>/_xpack/license -Credential elastic -Method Put -ContentType "application/json" -InFile .\license.json
```

In these examples,

* `*<user>*` is a user ID with the appropriate authority.
* `*<host>*` is the hostname of the {es} node (`localhost` if executing locally)
* `*<port>*` is the http port (defaults to `9200`)
* `*license.json*` is the license JSON file

NOTE: If your {es} node has SSL enabled on the HTTP interface, you must start your URL with `https://`

If you previously had a license with more features than the basic license, you receive the following response:

```
{
  "acknowledged": false,
  "license_status": "valid",
  "acknowledge": {
    "message": "This license update requires acknowledgement. To acknowledge the license, please read the following messages and update the license again, this time with the "acknowledge=true" parameter:"
  },
  "watcher": {
    "Watcher will be disabled"
  }
}
```
"logstash": [ "Logstash will no longer poll for centrally-managed pipelines"
],
"security": [ "The following X-Pack security functionality will be disabled: ..."
}
}

// NOTCONSOLE

To complete the update, you must re-submit the API request and set the 
`acknowledge` parameter to `true`. For example:

```js
POST /_license?acknowledge=true
{
"licenses": [
{
"uid":"893361dc-9749-4997-93cb-802e3d7fa4xx",
"type":"basic",
"issue_date_in_millis":1411948800000,
"expiry_date_in_millis":1914278399999,
"max_nodes":1,
"issued_to":"issuedTo",
"issuer":"issuer",
"signature":"
}
]
}
```

// CONSOLE
// TEST[skip:license testing issues]

Alternatively:

```sh
curl -XPUT -u elastic 'http://<host>:<port>/_license?acknowledge=true' -H "Content-Type: application/json" -d @license.json
```

// NOTCONSOLE

For more information about the features that are disabled when you downgrade 
your license, see {xpack-ref}/license-expiration.html[License Expiration].

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[role="xpack"]
[testenv="basic"]
[delete-license]
=== Delete license API
++++
<titleabbrev>Delete license</titleabbrev>
++++

This API enables you to delete licensing information.

[float]
==== Request
DELETE /_license

Description

When your license expires, `xpack` operates in a degraded mode. For more information, see `license-expiration.html[License Expiration]`.

Authorization

You must have `manage` cluster privileges to use this API. For more information, see `security-privileges.html[Security Privileges]`.

Examples

The following example queries the info API:

[source,js]

DELETE /_license

// CONSOLE
// TEST[skip:license testing issues]

When the license is successfully deleted, the API returns the following response:

[source,js]

{
   "acknowledged": true
}

// NOTCONSOLE
this is a test license file

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### Get license API

This API enables you to retrieve licensing information.

#### Request

```
GET /_license
```

#### Description

This API returns information about the type of license, when it was issued, and when it expires, for example.
For more information about the different types of licenses, see https://www.elastic.co/subscriptions.

[float]
==== Query Parameters

`local`:
(boolean) Specifies whether to retrieve local information. The default value is ‘false’, which means the information is retrieved from the master node.

[float]
==== Authorization

You must have ‘monitor’ cluster privileges to use this API. For more information, see {xpack-ref}/security-privileges.html[Security Privileges].

[float]
==== Examples

The following example provides information about a trial license:

[source.js]
----------------------------------------
GET /_license
----------------------------------------

// CONSOLE

[source.js]
----------------------------------------
{
    "license" : {
        "status" : "active",
        "uid" : "cbff45e7-c553-41f7-ae4f-9205eabd80xx",
        "type" : "trial",
        "issue_date" : "2018-10-20T22:05:12.332Z",
        "issue_date_in_millis" : 1540073112332,
        "expiry_date" : "2018-11-19T22:05:12.332Z",
        "expiry_date_in_millis" : 1542665112332,
        "max_nodes" : 1000,
        "issued_to" : "test",
        "issuer" : "elasticsearch",
        "start_date_in_millis" : -1
    }
}
----------------------------------------
// TESTRESPONSE[s="cbff45e7-c553-41f7-ae4f-9205eabd80xx"/$body.license.uid/]
// TESTRESPONSE[s="basic"/$body.license.type/]
// TESTRESPONSE[s="2018-10-20T22:05:12.332Z"/$body.license.issue_date/]
// TESTRESPONSE[s=1540073112332/$body.license.issue_date_in_millis/]
// TESTRESPONSE[s="2018-11-19T22:05:12.332Z"/$body.license.expiry_date/]
// TESTRESPONSE[s=1542665112332/$body.license.expiry_date_in_millis/]
// TESTRESPONSE[s=1000/$body.license.max_nodes/]
// TESTRESPONSE[s=\"test\"/$body.license.issued_to/]
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***The art of simplicity is a puzzle of complexity.***

## Overview ##
[YAML](http://yaml.org) is a data serialization format designed for human readability and interaction with scripting languages.

SnakeYAML is a YAML processor for the Java Virtual Machine.

## SnakeYAML features ##

* a **complete** [YAML 1.1 processor][http://yaml.org/spec/1.1/current.html]. In particular, SnakeYAML can parse all examples from the specification.
* Unicode support including UTF-8/UTF-16 input/output.
* high-level API for serializing and deserializing native Java objects.
* support for all types from the [YAML types repository][http://yaml.org/type/index.html].
* relatively sensible error messages.
## Info ##
* [Changes](https://bitbucket.org/asomov/snakeyaml/wiki/Changes)
* [Documentation](https://bitbucket.org/asomov/snakeyaml/wiki/Documentation)

## Contribute ##
* Mercurial DVCS is used to dance with the [source code](https://bitbucket.org/asomov/snakeyaml/src).
* If you find a bug in SnakeYAML, please [file a bug report](https://bitbucket.org/asomov/snakeyaml/issues?status=new&status=open).
* You may discuss SnakeYAML at [the mailing list](http://groups.google.com/group/snakeyaml-core).

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[[java-rest-high-get-license]]
=== Get License

[[java-rest-high-get-license-execution]]
==== Execution

The license can be added or updated using the `getLicense()` method:

["source","java",subs="attributes,callouts,macros"]
--------------------------------------------------
include-tagged:::{doc-tests}/LicensingDocumentationIT.java[get-license-execute]
--------------------------------------------------

[[java-rest-high-get-license-response]]
==== Response

The returned `GetLicenseResponse` contains the license in the JSON format.

["source","java",subs="attributes,callouts,macros"]
--------------------------------------------------
include-tagged:::{doc-tests}/LicensingDocumentationIT.java[get-license-response]
--------------------------------------------------
<1> The text of the license.

[[java-rest-high-get-license-async]]
==== Asynchronous Execution

This request can be executed asynchronously:

["source","java",subs="attributes,callouts,macros"]
--------------------------------------------------
include-tagged:::{doc-tests}/LicensingDocumentationIT.java[get-license-execute-async]
--------------------------------------------------
<1> The `GetLicenseRequest` to execute and the `ActionListener` to use when
the execution completes

The asynchronous method does not block and returns immediately. Once it is completed the `ActionListener` is called back using the `onResponse` method if the execution successfully completed or using the `onFailure` method if it failed.

A typical listener for `GetLicenseResponse` looks like:

```java
"source", "java", subs="attributes,callouts,macros"

--------------------------------------------------
include-tagged::{doc-tests}/LicensingDocumentationIT.java[get-license-execute-listener]
--------------------------------------------------
```

<br>

<1> Called when the execution is successfully completed. The response is provided as an argument

<2> Called in case of failure. The raised exception is provided as an argument

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--- Update License

--- Execution

The license can be added or updated using the `putLicense()` method:

```
["source","java",subs="attributes,callouts,macros"]
```

```
include-tagged:::{doc-tests}/LicensingDocumentationIT.java[put-license-execute]
```

--- Response

The returned `PutLicenseResponse` contains the `LicensesStatus`, `acknowledged` flag and possible acknowledge messages. The acknowledge messages are present if you previously had a license with more features than one you are trying to update and you didn't set the `acknowledge` flag to `true`. In this case you need to display the messages to the end user and if they agree, resubmit the license with the `acknowledge` flag set to `true`. Please note that the request will still return a 200 return code even if requires an acknowledgement. So, it is
necessary to check the `acknowledged` flag.

[[java-rest-high-put-license-async]]

==== Asynchronous Execution

This request can be executed asynchronously:

[[java-rest-high-put-license-async]]

The asynchronous method does not block and returns immediately. Once it is completed the `ActionListener` is called back using the `onResponse` method if the execution successfully completed or using the `onFailure` method if it failed.

A typical listener for `PutLicenseResponse` looks like:

[[java-rest-high-put-license-async]]

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1.3993 @babel/plugin-transform-regenerator

7.3.4

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1.3995 jackson-jaxrs-base 2.9.9

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ruby-minitest 5.10.3-1

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vim :: https://github.com/sunaku/vim-ruby-minitest
emacs:: https://github.com/arthurnn/minitest-emacs

== DESCRIPTION:
minitest provides a complete suite of testing facilities supporting TDD, BDD, mocking, and benchmarking.

"I had a class with Jim Weirich on testing last week and we were allowed to choose our testing frameworks. Kirk Haines and I were paired up and we cracked open the code for a few test frameworks...

I MUST say that minitest is *very* readable / understandable compared to the 'other two' options we looked at. Nicely done and thank you for helping us keep our mental sanity."

-- Wayne E. Seguin

minitest/test is a small and incredibly fast unit testing framework. It provides a rich set of assertions to make your tests clean and readable.

minitest/spec is a functionally complete spec engine. It hooks onto minitest/test and seamlessly bridges test assertions over to spec expectations.

minitest/benchmark is an awesome way to assert the performance of your algorithms in a repeatable manner. Now you can assert that your newb co-worker doesn't replace your linear algorithm with an exponential one!

minitest/mock by Steven Baker, is a beautifully tiny mock (and stub) object framework.

minitest/pride shows pride in testing and adds coloring to your test output. I guess it is an example of how to write IO pipes too. :P

minitest/test is meant to have a clean implementation for language implementors that need a minimal set of methods to bootstrap a working test suite. For example, there is no magic involved for test-case discovery.

"Again, I can't praise enough the idea of a testing/specing framework that I can actually read in full in one sitting!"

-- Piotr Szotkowski

Comparing to rspec:

rspec is a testing DSL. minitest is ruby.
minitest doesn't reinvent anything that ruby already provides, like: classes, modules, inheritance, methods. This means you only have to learn ruby to use minitest and all of your regular OO practices like extract-method refactorings still apply.

== FEATURES/PROBLEMS:

* minitest/autorun - the easy and explicit way to run all your tests.
* minitest/test - a very fast, simple, and clean test system.
* minitest/spec - a very fast, simple, and clean spec system.
* minitest/mock - a simple and clean mock/stub system.
* minitest/benchmark - an awesome way to assert your algorithm's performance.
* minitest/pride - show your pride in testing!
* Incredibly small and fast runner, but no bells and whistles.
* Written by squishy human beings. Software can never be perfect. We will all eventually die.

== RATIONALE:

See design_rationale.rb to see how specs and tests work in minitest.

== SYNOPSIS:

Given that you'd like to test the following class:

```ruby
class Meme
  def i_can_has_cheezburger?
    "OHAI!"
  end

  def will_it_blend?
    "YES!"
  end
end
```

=== Unit tests

Define your tests as methods beginning with +test_+.

```ruby
require "minitest/autorun"

class TestMeme < Minitest::Test
  def setup
    @meme = Meme.new
  end

  def test_that_kitty_can_eat
```
assert_equal "OHAI!", @meme.i_can_has_cheezburger?
end

def test_that_it_will_not_blend
  refute_match /^no/i, @meme.will_it_blend?
end

def test_that_will_be_skipped
  skip "test this later"
end
end

=== Specs

require "minitest/autorun"

describe Meme do
  before do
    @meme = Meme.new
  end

describe "when asked about cheeseburgers" do
  it "must respond positively" do
    @meme.i_can_has_cheezburger?.must_equal "OHAI!"
  end
end

describe "when asked about blending possibilities" do
  it "won't say no" do
    @meme.will_it_blend?.wont_match /^no/i
  end
end

For matchers support check out:

* https://github.com/wojtekmach/minitest-matchers
* https://github.com/rmm5t/minitest-matchers_vaccine

=== Benchmarks

Add benchmarks to your tests.

# optionally run benchmarks, good for CI-only work!
require "minitest/benchmark" if ENV['BENCH']

class TestMeme < Minitest::Benchmark
  # Override self.bench_range or default range is [1, 10, 100, 1_000, 10_000]
def bench_my_algorithm
assert_performance_linear 0.9999 do |n| # n is a range value
  @obj.my_algorithm(n)
end
end
end

Or add them to your specs. If you make benchmarks optional, you'll need to wrap your benchmarks in a conditional since the methods won't be defined. In minitest 5, the describe name needs to match <tt>/Bench(mark)?$/</tt>.

describe "Meme Benchmark" do
  if ENV["BENCH"] then
    bench_performance_linear "my_algorithm", 0.9999 do |n|
      100.times do
        @obj.my_algorithm(n)
      end
    end
  end
end
end

outputs something like:

# Running benchmarks:

TestBlah100100010000
bench_my_algorithm 0.006167 0.079279 0.786993
bench_other_algorithm 0.061679 0.792797 7.869932

Output is tab-delimited to make it easy to paste into a spreadsheet.

=== Mocks

Mocks and stubs defined using terminology by Fowler & Meszaros at http://www.martinfowler.com/bliki/TestDouble.html:

"Mocks are pre-programmed with expectations which form a specification of the calls they are expected to receive. They can throw an exception if they receive a call they don't expect and are checked during verification to ensure they got all the calls they were expecting."

class MemeAsker
  def initialize(meme)
    @meme = meme
  end

  def ask(question)
method = question.tr(" ", ",\_\_") + "?"
@meme.__send__(method)
end
end

require "minitest/autorun"

describe MemeAsker, :ask do
  describe "when passed an unpunctuated question" do
    it "should invoke the appropriate predicate method on the meme" do
      @meme = Minitest::Mock.new
      @meme_asker = MemeAsker.new @meme
      @meme.expect :will_it_blend?, :return_value

      @meme_asker.ask "will it blend"

      @meme.verify
    end
  end
end

**Multi-threading and Mocks**

Minitest mocks do not support multi-threading if it works, fine, if it doesn't you can use regular ruby patterns and facilities like local variables. Here's an example of asserting that code inside a thread is run:

def test_called_inside_thread
  called = false
  pr = Proc.new { called = true }
  thread = Thread.new(&pr)
  thread.join
  assert called, "proc not called"
end

=== Stubs

Mocks and stubs are defined using terminology by Fowler & Meszaros at http://www.martinfowler.com/bliki/TestDouble.html:

"Stubs provide canned answers to calls made during the test".

Minitest's stub method overrides a single method for the duration of the block.

def test_stale_eh
  obj_under_test = Something.new
refute obj_under_test.stale?

Time.stub :now, Time.at(0) do  # stub goes away once the block is done
  assert obj_under_test.stale?
end
end

A note on stubbing: In order to stub a method, the method must actually exist prior to stubbing. Use a singleton method to create a new non-existing method:

```ruby
def obj_under_test.fake_method
  ...
end
```

```ruby
=== Running Your Tests

Ideally, you'll use a rake task to run your tests, either piecemeal or all at once. Both rake and rails ship with rake tasks for running your tests. BUT! You don't have to:

```bash
% ruby -Ilib:test test/minitest/test_minitest_test.rb
Run options: --seed 37685

# Running:

................................................................. (etc)
```

Finished in 0.107130s, 1446.8403 runs/s, 2959.0217 assertions/s.

155 runs, 317 assertions, 0 failures, 0 errors, 0 skips

There are runtime options available, both from minitest itself, and also provided via plugins. To see them, simply run with `--help`:

```bash
% ruby -Ilib:test test/minitest/test_minitest_test.rb --help
minitest options:
  -h, --help                     Display this help.
  -s, --seed SEED                Sets random seed. Also via env. Eg: SEED=n rake
  -v, --verbose                  Verbose. Show progress processing files.
  -n, --name PATTERN             Filter run on /regexp/ or string.
  -e, --exclude PATTERN          Exclude /regexp/ or string from run.

Known extensions: pride, autotest
  -p, --pride                    Pride. Show your testing pride!
  -a, --autotest                 Connect to autotest server.
```

```ruby
== Writing Extensions
```
To define a plugin, add a file named minitest/XXX_plugin.rb to your project/gem. That file must be discoverable via ruby's LOAD_PATH (via rubygems or otherwise). Minitest will find and require that file using Gem.find_files. It will then try to call +plugin_XXX_init+ during startup. The option processor will also try to call +plugin_XXX_options+ passing the OptionParser instance and the current options hash. This lets you register your own command-line options. Here's a totally bogus example:

# minitest/bogus_plugin.rb:

module Minitest
  def self.plugin_bogus_options(opts, options)
    opts.on "--myci", "Report results to my CI" do
      options[:myci] = true
      options[:myci_addr] = get_myci_addr
      options[:myci_port] = get_myci_port
    end
  end

  def self.plugin_bogus_init(options)
    self.reporter << MyCI.new(options) if options[:myci]
  end
end

=== Adding custom reporters

Minitest uses composite reporter to output test results using multiple reporter instances. You can add new reporters to the composite during the init_plugins phase. As we saw in +plugin_bogus_init+ above, you simply add your reporter instance to the composite via <<.

+AbstractReporter+ defines the API for reporters. You may subclass it and override any method you want to achieve your desired behavior.

start :: Called when the run has started.
record :: Called for each result, passed or otherwise.
report :: Called at the end of the run.
passed? :: Called to see if you detected any problems.

Using our example above, here is how we might implement MyCI:

# minitest/bogus_plugin.rb

module Minitest
  class MyCI < AbstractReporter
    attr_accessor :results, :addr, :port
end

Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 42064
def initialize options
    self.results = []
    self.addr = options[:myci_addr]
    self.port = options[:myci_port]
end

def record result
    self.results << result
end

def report
    CI.connect(addr, port).send_results self.results
end

# code from above...
end

== FAQ

== How to test SimpleDelegates?

The following implementation and test:

class Worker < SimpleDelegator
    def work
    end
end

describe Worker do
    before do
        @worker = Worker.new(Object.new)
    end

    it "must respond to work" do
        @worker.must_respond_to :work
    end
end

outputs a failure:

1) Failure:
Worker#test_0001_must respond to work [bug11.rb:16]:
Expected #<Object:0x007f9e7184f0a0> (Object) to respond to #work.

Worker is a SimpleDelegate which in 1.9+ is a subclass of BasicObject.
Expectations are put on Object (one level down) so the Worker
(SimpleDelegate) hits +method_missing+ and delegates down to the
+Object.new+ instance. That object doesn't respond to work so the test
fails.

You can bypass <tt>SimpleDelegate#method_missing</tt> by extending the worker
with <tt>Minitest::Expectations</tt>. You can either do that in your setup at
the instance level, like:

```ruby
before do
  @worker = Worker.new(Object.new)
  @worker.extend Minitest::Expectations
end
```

or you can extend the Worker class (within the test file!), like:

```ruby
class Worker
  include ::Minitest::Expectations
end
```

--- How to share code across test classes?

Use a module. That's exactly what they're for:

```ruby
module UseulStuff
  def useful_method
    # ...
  end
end

describe Blah do
  include UsefulStuff
  def test_whatever
    # useful_method available here
  end
end
```

Remember, +describe+ simply creates test classes. It's just ruby at
the end of the day and all your normal Good Ruby Rules (tm) apply. If
you want to extend your test using setup/teardown via a module, just
make sure you ALWAYS call super. before/after automatically call super
for you, so make sure you don't do it twice.

--- Why am I seeing <tt>uninitialized constant MiniTest::Test (NameError)</tt>?

Are you running the test with Bundler (e.g. via <tt>bundle exec</tt> )? If so,
in order to require minitest, you must first add the <tt>gem 'minitest'</tt>
to your Gemfile and run +bundle+. Once it's installed, you should be
able to require minitest and run your tests.

== Prominent Projects using Minitest:

* arel
* journey
* mime-types
* nokogiri
* rails (active_support et al)
* rake
* rdoc
* ...and of course, everything from seattle.rb...

== Developing Minitest:

=== Minitest's own tests require UTF-8 external encoding.

This is a common problem in Windows, where the default external Encoding is often CP850, but can affect any platform.
Minitest can run test suites using any Encoding, but to run Minitest's own tests you must have a default external Encoding of UTF-8.

If your encoding is wrong, you'll see errors like:

```ruby
--- expected
+++ actual
@@ -1,2 +1,3 @@
    # encoding: UTF-8
    "Expected \w+/ to not match "blah blah blah\"."
    +"Expected \w+/ to not match # encoding: UTF-8
    +"blah blah blah\"."
```

To check your current encoding, run:

```
ruby -e 'puts Encoding.default_external'
```

If your output is something other than UTF-8, you can set the RUBYOPTS env variable to a value of `-Eutf-8`. Something like:

```
RUBYOPT='-Eutf-8' ruby -e 'puts Encoding.default_external'
```

Check your OS/shell documentation for the precise syntax (the above will not work on a basic Windows CMD prompt, look for the SET command).
Once you've got it successfully outputing UTF-8, use the same setting when running rake in Minitest.

=== Minitest's own tests require GNU (or similar) diff.
This is also a problem primarily affecting Windows developers. PowerShell has a command called diff, but it is not suitable for use with Minitest.

If you see failures like either of these, you are probably missing diff tool:

4) Failure:
TestMinitestUnitTestCase#test_assert_equal_different_long
[D:/ruby/seattlerb/minitest/test/minitest/test_minitest_test.rb:936]:
   Expected: "--- expected\n+++ actual\n-1 @ -1 +1 @\n"hahahahahahahahahahahahahahahahahahahaha\n+"blahblahblahblahblahblahblahblahblah\"n"
   Actual: "Expected: \"hahahahahahahahahahahahahahahahahahaha\n Actual: \"blahblahblahblahblahblahblahblahblah\"

5) Failure:
TestMinitestUnitTestCase#test_assert_equal_different_collection_hash_hex_invisible
[D:/ruby/seattlerb/minitest/test/minitest/test_minitest_test.rb:845]:
   Expected: "No visible difference in the Hash#inspect output.\nYou should look at the implementation of #== on\nHash or its members.\n1=>\n  Actual: "Expected: {1=>#<Object:0x00000003ba0470>}\n Actual: {1=>#<Object:0x00000003ba0448>}""

If you use Cygwin or MSYS2 or similar there are packages that include a GNU diff for Windows. If you don't, you can download GNU diffutils from http://gnuwin32.sourceforge.net/packages/diffutils.htm (make sure to add it to your PATH).

You can make sure it's installed and path is configured properly with:

diff.exe -v

There are multiple lines of output, the first should be something like:

diff (GNU diffutils) 2.8.1

If you are using PowerShell make sure you run diff.exe, not just diff, which will invoke the PowerShell built in function.

== Known Extensions:
capybara_minitest_spec :: Bridge between Capybara RSpec matchers and Minitest::Spec expectations (e.g. 
.<tt>page.must_have_content("Title")</tt>.
color_pound_spec_reporter :: Test names print Ruby Object types in color with your Minitest Spec style tests.
minispec-metadata :: Metadata for describe/it blocks & CLI tag filter.
  E.g. <tt>it "requires JS driver", js: true do</tt> &
<tt>ruby test.rb --tag js</tt> runs tests tagged :js.

- **minispec-rails**: Minimal support to use Spec style in Rails 5+.
- **minitest-around**: Around block for minitest. An alternative to setup/teardown dance.
- **minitest-assert_errors**: Adds Minitest assertions to test for errors raised or not raised by Minitest itself.
- **minitest-autotest**: autotest is a continuous testing facility meant to be used during development.
- **minitest-bacon**: minitest-bacon extends minitest with bacon-like functionality.
- **minitest-bang**: Adds support for RSpec-style let! to immediately invoke let statements before each test.
- **minitest-bisect**: Helps you isolate and debug random test failures.
- **minitest-blink1_reporter**: Display test results with a Blink1.
- **minitest-capistrano**: Assertions and expectations for testing Capistrano recipes.
- **minitest-capybara**: Capybara matchers support for minitest unit and spec.
- **minitest-chef-handler**: Run Minitest suites as Chef report handlers.
- **minitest-ci**: CI reporter plugin for Minitest.
- **minitest-context**: Defines contexts for code reuse in Minitest specs that share common expectations.
- **minitest-debugger**: Wraps assert so failed assertions drop into the ruby debugger.
- **minitest-display**: Patches Minitest to allow for an easily configurable output.
- **minitest-documentation**: Minimal documentation format inspired by rspec's.
- **minitest-doc_reporter**: Detailed output inspired by rspec's documentation format.
- **minitest-emoji**: Print out emoji for your test passes, fails, and skips.
- **minitest-english**: Semantically symmetric aliases for assertions and expectations.
- **minitest-excludes**: Clean API for excluding certain tests you don't want to run under certain conditions.
- **minitest-fail-fast**: Reimplements RSpec's "fail fast" feature.
- **minitest-filecontent**: Support unit tests with expectation results in files. Differing results will be stored again in files.
- **minitest-filesystem**: Adds assertion and expectation to help testing filesystem contents.
- **minitest-firemock**: Makes your Minitest mocks more resilient.
- **minitest-focus**: Focus on one test at a time.
- **minitest-gcstats**: A minitest plugin that adds a report of the top tests by number of objects allocated.
- **minitest-great_expectations**: Generally useful additions to minitest's assertions and expectations.
- **minitest-growl**: Test notifier for minitest via growl.
- **minitest-happy**: GLOBALLY ACTIVATE MINITEST PRIDE! RAWR!
minitest-have_tag :: Adds Minitest assertions to test for the existence of HTML tags, including contents, within a provided string.

minitest-hooks :: Around and before_all/after_all/around_all hooks

minitest-hyper :: Pretty, single-page HTML reports for your Minitest runs

minitest-implicit-subject :: Implicit declaration of the test subject.

minitest-instrument :: Instrument ActiveSupport::Notifications when test method is executed.

minitest-instrument-db :: Store information about speed of test execution provided by minitest-instrument in database.

minitest-junit :: JUnit-style XML reporter for minitest.

minitest-libnotify :: Test notifier for minitest via libnotify.

minitest-line :: Run test at line number.

minitest-logger :: Define assert_log and enable minitest to test log messages.

Supports Logger and Log4r::Logger.

minitest-macruby :: Provides extensions to minitest for macruby UI testing.

minitest-matchers :: Adds support for RSpec-style matchers to minitest.

minitest-matchers_vaccine :: Adds assertions that adhere to the matcher spec, but without any expectation infections.

minitest-metadata :: Annotate tests with metadata (key-value).

minitest-mongoid :: Mongoid assertion matchers for Minitest.

minitest-must_not :: Provides must_not as an alias for won't in Minitest.

minitest-optional_retry :: Automatically retry failed test to help with flakiness.

minitest-osx :: Reporter for the Mac OS X notification center.

minitest-parallel_fork :: Fork-based parallelization

minitest-parallel-db :: Run tests in parallel with a single database.

minitest-power_assert :: PowerAssert for Minitest.

minitest-predicates :: Adds support for .predicate? methods.

minitest-profile :: List the 10 slowest tests in your suite.

minitest-rails :: Minitest integration for Rails 3.x.

minitest-rails-capybara :: Capybara integration for Minitest::Rails.

minitest-reporters :: Create customizable Minitest output formats.

minitest-rg :: Colored red/green output for Minitest.

minitest-rspec_mocks :: Use RSpec Mocks with Minitest.

minitest-server :: minitest-server provides a client/server setup with your minitest process, allowing your test run to send its results directly to a handler.

minitest-sequel :: Minitest assertions to speed-up development and testing of Ruby Sequel database setups.

minitest-shared_description :: Support for shared specs and shared spec subclasses

minitest-should_syntax :: RSpec-style <tt>x.should == y</tt> assertions for Minitest.

minitest-shouldify :: Adding all manner of shoulds to Minitest (bad idea)

minitest-snail :: Print a list of tests that take too long
**minitest-spec-context** :: Provides rspec-ish context method to Minitest::Spec.

**minitest-spec-expect** :: Expect syntax for Minitest::Spec (e.g. `expect(sequences).toInclude(:celery_man)`).

**minitest-spec-magic** :: Minitest::Spec extensions for Rails and beyond.

**minitest-spec-rails** :: Drop in Minitest::Spec superclass for ActiveSupport::TestCase.

**minitest-sprint** :: Runs (Get it? It's fast!) your tests and makes it easier to rerun individual failures.

**minitest-stately** :: Find leaking state between tests

**minitest-stub_any_instance** :: Stub any instance of a method on the given class for the duration of a block.

**minitest-stub-const** :: Stub constants for the duration of a block.

**minitest-tags** :: Add tags for minitest.

**minitest-unordered** :: Adds a new assertion to minitest for checking the contents of a collection, ignoring element order.

**minitest-vcr** :: Automatic cassette management with Minitest::Spec and VCR.

**minitest_owrapper** :: Get tests results as a TestResult object.

**minitest_should** :: Shoulda style syntax for minitest::unit.

**minitest_tu_shim** :: Bridges between test/unit and minitest.

**mongoid-minitest** :: Minitest matchers for Mongoid.

**pry-rescue** :: A pry plugin with minitest support. See pry-rescue/minitest.rb.

**rspec2minitest** :: Easily translate any RSpec matchers to Minitest assertions and expectations.

== Unknown Extensions:

Authors... Please send me a pull request with a description of your minitest extension.

* assay-minitest
* detroit-minitest
* em-minitest-spec
* flexmock-minitest
* guard-minitest
* guard-minitest-decisiv
* minitest-activemodel
* minitest-ar-assertions
* minitest-capybara-unit
* minitest-colorer
* minitest-deluxe
* minitest-extra-assertions
* minitest-rails-shoulda
* minitest-spec
* minitest-spec-should
* minitest-sugar
* spork-minitest
== Minitest related goods


== REQUIREMENTS:

* Ruby 1.8.7+. No magic is involved. I hope.
* NOTE: 1.8 and 1.9 will be dropped in minitest 6+.

== INSTALL:

    sudo gem install minitest

On 1.9, you already have it. To get newer candy you can still install
the gem, and then requiring "minitest/autorun" should automatically
pull it in. If not, you'll need to do it yourself:

    gem "minitest"  # ensures you're using the gem, and not the built-in MT
require "minitest/autorun"

    # ... usual testing stuffs ...

DO NOTE: There is a serious problem with the way that ruby 1.9/2.0
packages their own gems. They install a gem specification file, but
don't install the gem contents in the gem path. This messes up
Gem.find_files and many other things (gem which, gem contents, etc).

Just install minitest as a gem for real and you'll be happier.

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Found in path(s):
* /opt/cola/permits/1152280212_1618211306.23/0/ruby-minitest-5-10-3-orig-1-tar-gz/minitest-
  5.10.3/README.rdoc

1.3998 maglev-internal-api 1.7.29
1.3998.1 Available under license:

No license file was found, but licenses were detected in source scan.

Metadata-Version: 2.0
Name: maglev-internal-api
Version: 1.7.29
Summary: Maglev Internal API Library (1.7.29)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: aiohttp (==2.2.5)
Requires-Dist: chardet (==3.0.4)
Requires-Dist: dnspython (==1.16.0)
Requires-Dist: idna (==2.7)
Requires-Dist: monotonic (==1.1)
Requires-Dist: python-etc locals (==0.4.5)
Requires-Dist: urllib3 (~==1.24.3)
Requires-Dist: yarl (~==0.18.0)

# Installation
+ Requires: Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

Found in path(s):
* /opt/cola/permits/1175808382_1624495079.68/0/maglev-internal-api-1-7-29-dist-info-
  zip/inputdir/packages_extracted/targz/1/packages_extracted/3/packages_extracted/3/packages_extracted/46/maglev_
  internal_api-1.7.29.dist-info/METADATA

1.3999 json4s-ast 3.4.0
1.3999.1 Available under license:

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1.4002 postcss-loader 3.0.0

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@var{one line to give the library's name and an idea of what it does.}
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@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
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That's all there is to it!

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* /opt/cola/permits/1112481320_1607094232.01/0/spring-aop-3-1-1-release-sources-1-jar/org/springframework/aop/framework/ProxyFactoryBean.java
* /opt/cola/permits/1112481320_1607094232.01/0/spring-aop-3-1-1-release-sources-1-jar/org/springframework/aop/aspectj/annotation/LazySingletonAspectInstanceFactoryDecorator.java
* /opt/cola/permits/1112481320_1607094232.01/0/spring-aop-3-1-1-release-sources-1-jar/org/springframework/aop/config/MethodLocatingFactoryBean.java
* /opt/cola/permits/1112481320_1607094232.01/0/spring-aop-3-1-1-release-sources-1-jar/org/springframework/aop/config/ScopedProxyBeanDefinitionDecorator.java
* /opt/cola/permits/1112481320_1607094232.01/0/spring-aop-3-1-1-release-sources-1-jar/org/springframework/aop/framework/ProxyFactory.java
* /opt/cola/permits/1112481320_1607094232.01/0/spring-aop-3-1-1-release-sources-1-jar/org/springframework/aop/config/AspectJAutoProxyBeanDefinitionParser.java

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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

------
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.

1.4013 icu 55.1-7ubuntu0.5
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## -*-makefile-*-
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
## Copyright (c) 1999-2013, International Business Machines Corporation and
## others. All Rights Reserved.

## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bsymbic

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules
%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $(STATICCPPFLAGS) -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) $<
| sed \"s/\([^*]o[ ]*\)\|.*/\1.o $@ : /g\" > $@;
[ -s $@ ] || rm -f $@’

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $<
| sed \"s/\([^*]o[ ]*\)\|.*/\1.o $@ : /g\" > $@;
[ -s $@ ] || rm -f $@’

## Versioned libraries rules

%.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 ${*F}.$(SO).$(SO).$(SO_TARGET_VERSION) $@

## Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymb

# 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

1.4014 spotbugs-annotations 3.1.9
1.4014.1 Available under license:

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1.4015 proxy-addr 1.0.10

1.4015.1 Available under license:

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1.4016 package-json 4.0.1

1.4016.1 Available under license:

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Files: progs/tset.c ncurses/tinfo/read_termcap.c
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-- vile: txtmode file-encoding=utf-8
1.4018 iconv-lite 0.4.19

1.4018.1 Available under license :

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1.4019 libpython-stdlib 2.7.13-2

1.4019.1 Available under license :

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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

==============================================================
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.

<table>
<thead>
<tr>
<th>Release</th>
<th>Derived from</th>
<th>Year</th>
<th>Owner</th>
<th>GPL-compatible? (1)</th>
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dh_python2, pycompile, pyclean and debpython module:
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   analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt,
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   analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
   analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt,
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   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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Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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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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@end enumerate

@end enumerate

@end enumerate

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@example
@var{one line to give the program's name and a brief idea of what it does.}
Copyright (C) @var{year} @var{name of author}

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@end example

Also add information on how to contact you by electronic and paper mail.
If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

@example
@example
@var{program} Copyright (C) @var{year} @var{name of author}
This program comes with ABSOLUTELY NO WARRANTY; for details type @samp{show w}.
This is free software, and you are welcome to redistribute it under certain conditions; type @samp{show c} for details.
@end example

The hypothetical commands @samp{show w} and @samp{show c} should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an ``about box''.

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DRuntime: Runtime Library for the D Programming Language

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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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<th>Owner</th>
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Footnotes:

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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.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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The inverse error function implementation in the Erf class is based on CUDA code developed by Mike Giles, Oxford-Man Institute of Quantitative Finance, and published in GPU Computing Gems, volume 2, 2010.

===============================================================================

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1.4032 @babel/traverse 7.1.4

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1.4033 safe-regex 1.1.0

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ASN.1 library for Python

------------------------
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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
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) by Olivier Dubuisson is one of those high quality books freely available on the Internet.

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(0).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`):

```python
>>> record = Record()
>>> record['id'] = 123
>>> record['room'] = 321
>>> str(record)
Record:
id=123
room=321
```

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
>>> received_record.update(room=123)
>>> substrate = encode(received_record)
>>> hexdump(substrate)
00000: 30 06 02 01 7B 80 01 7B
```

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
>>> from pyasn1.codec.native.encoder import encode
>>> encode(record)
{'id': 123, 'room': 321, 'house': 0}
```

Or vice-versa -- you can initialize an ASN.1 structure from a tree of
Python objects:

```python
>>> from pyasn1.codec.native.decoder import decode
>>> record = decode({'id': 123, 'room': 321, 'house': 0}, asn1Spec=Record())
>>> str(record)
Record:
  id=123
  room=321
```

With ASN.1 design, serialisation codecs are decoupled from data objects,
so you could turn every single ASN.1 object into many different serialised forms. As of this moment, pyasn1 supports BER, DER, CER and Python built-ins codecs. The extremely compact PER encoding is expected to be introduced in the upcoming pyasn1 release.

More information on pyasn1 APIs can be found in the [documentation](http://snmplabs.com/pyasn1/), compiled ASN.1 modules for different protocols and file formats could be found in the pyasn1-modules [repo](https://github.com/etingof/pyasn1-modules).

How to get pyasn1
-----------------

The pyasn1 package is distributed under terms and conditions of 2-clause BSD [license](http://snmplabs.com/pyasn1/license.html). Source code is freely available as a GitHub [repo](https://github.com/etingof/pyasn1).

You could `pip install pyasn1` or download it from [PyPI](https://pypi.python.org/pypi/pyasn1).

If something does not work as expected, open an issue at GitHub or post your question on Stack Overflow or try browsing pyasn1 [mailing list archives](https://sourceforge.net/p/pyasn1/mailman/pyasn1-users/).

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ASN.1 library for Python
-----------------------
Abstract Syntax Notation One (ASN.1) 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/protocolbuffers/>`_ 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 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::
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/pyasn1/contents

Use case
--------

.. toctree::
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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.

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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.

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End

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It was downloaded from <http://ftp.gnome.org/pub/GNOME/sources/glib/>.

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       src/libimcv/pts/components/pts_comp_evidence.h
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       src/libimcv/pts/pts.h
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       src/libimcv/pts/pts_dh_group.h
       src/libimcv/pts/pts_error.c
       src/libimcv/pts/pts_error.h
       src/libimcv/pts/pts_file_meta.c
       src/libimcv/pts/pts_file_meta.h
       src/libimcv/pts/pts_file_type.h
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src/libstrongswan/plugins/ntru/ntru_poly.c
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src/libstrongswan/plugins/test_vectors/test_vectors/des.c
src/libstrongswan/plugins/test_vectors/test_vectors/idea.c
src/libstrongswan/plugins/test_vectors/test_vectors/md4.c
src/libstrongswan/plugins/test_vectors/test_vectors/null.c
src/libstrongswan/plugins/test_vectors/test_vectors/rc5.c
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src/libstrongswan/tests/suites/test_mgf1.c
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src/libstrongswan/tests/suites/test_host.c
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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 3a0982da308228d796df35f98d787c5cff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

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vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
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<!-- $Id$ -->

<!-- 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="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:stylesheet>
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1.4053 scala-reflect 2.11.12

1.4054 content-security-policy-builder 1.0.0

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1.4055 errno 0.1.7

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  jar/io/netty/handler/ssl/OpenSslSessionTicketKey.java
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  jar/io/netty/handler/ssl/ClientAuth.java
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  jar/io/netty/handler/ssl/ApplicationProtocolAccessor.java
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    jar/io.netty.handler.ssl/JdkApplicationProtocolNegotiator.java
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    jar/io.netty.handler.ssl/JettyNpnSslEngine.java
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    jar/io.netty.handler.ssl/SslProvider.java
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    jar/io.netty.handler.ssl/ssl/Util/FingerprintTrustManagerFactory.java
  * /opt/cola/permits/1111379138_1606904709.99/0/netty-handler-4-1-16-final-sources-3-
    jar/io.netty.handler.ssl/Java7SslParametersUtils.java
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* /opt/cola/permits/1111379138_1606904709.99/0/netty-handler-4-1-16-final-sources-3-jar/io/netty/handler/ssl/ApplicationProtocolUtil.java
* /opt/cola/permits/1111379138_1606904709.99/0/netty-handler-4-1-16-final-sources-3-jar/io/netty/handler/ssl/CipherSuiteFilter.java

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* /opt/cola/permits/1111379138_1606904709.99/0/netty-handler-4-1-16-final-sources-3-jar/io/netty/handler/logging/package-info.java
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jar/io/netty/handler/timeout/WriteTimeoutException.java
* /opt/cola/permits/1111379138_1606904709.99/0/netty-handler-4-1-16-final-sources-3-
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ar/io/netty/handler/stream/ChunkedNioStream.java
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  jar/io/netty/handler/ssl/ReferenceCountedOpenSslContext.java
* /opt/cola/permits/1111379138_1606904709.99/0/netty-handler-4-1-16-final-sources-3-
  jar/io/netty/handler/ssl/ReferenceCountedOpenSslClientContext.java
* /opt/cola/permits/1111379138_1606904709.99/0/netty-handler-4-1-16-final-sources-3-
  jar/io/netty/handler/flow/package-info.java
* /opt/cola/permits/1111379138_1606904709.99/0/netty-handler-4-1-16-final-sources-3-
  jar/io/netty/handler/ssl/util/X509TrustManagerWrapper.java
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  jar/io/netty/handler/flush/FlushConsolidationHandler.java
* /opt/cola/permits/1111379138_1606904709.99/0/netty-handler-4-1-16-final-sources-3-
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* /opt/cola/permits/1111379138_1606904709.99/0/netty-handler-4-1-16-final-sources-3-
  jar/io/netty/handler/flush/package-info.java
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* /opt/cola/permits/1111379138_1606904709.99/0/netty-handler-4-1-16-final-sources-3-
  jar/io/netty/handler/ssl/ReferenceCountedOpenSslEngine.java

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1.4075 acorn 3.3.0

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1.4077 d3-collection 1.0.7

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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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.

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@heading TERMS AND CONDITIONS

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DRuntime: Runtime Library for the D Programming Language

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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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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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@end smallexample

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@c man end

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DRuntime: Runtime Library for the D Programming Language

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========

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1.4084 python 3.6.9 1~18.04ubuntu1.4

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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.

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1.4088 sshpass 1.06 1

1.4089 media-typer 0.3.0

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1.4090 libx11 2:1.6.2-3

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1.4101 apt 1.0.9.8.4

1.4101.1 Available under license:

No license file was found, but licenses were detected in source scan.

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ii acl                                            2.2.52-2                     amd64                        Access control list utilities
ii acpi                                           1.7-1                        amd64                        displays information on ACPI devices
ii acpi-support-base                              0.142-6                      all                          scripts for handling base ACPI
ii acpid                                          1:2.0.23-2                   amd64                        Advanced Configuration and Power
Interface event daemon
ii adduser                                        3.113+nmu3                   all                          add and remove users and groups
ii alien                                          8.92                         all                          convert and install rpm and other packages
ii apt                                            1.0.9.8.4                    amd64                        commandline package manager
ii apt-listchanges                                2.85.13+nmu1                  all                          package change history
ii apt-transport-https                            1.0.9.8.4                    amd64                        https download transport for APT
ii apt-utils                                      1.0.9.8.4                    amd64                        package management related utility
ii aptitude                                       0.6.11-1+b1                  amd64                        terminal-based package manager
ii aptitude-common                                0.6.11-1                      all                          architecture independent files for
the aptitude package manager
ii aptitude-doc-en                                 0.6.11-1                      all                          English manual for aptitude, a
terminal-based package manager
ii aspell                                         0.60.7-20110707-1.3           amd64                        GNU Aspell spell-checker
ii aspell-fr                                      0.50-3-7                      all                          French dictionary for aspell
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 43105
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<td>all</td>
<td>The autopoint program from GNU gettext</td>
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| ii_findutils                   | 4.4.2-9+b1       | amd64        | utilities for finding files--find, xargs                                    |
| ii_fakeroott                   | 1.20.2-1         | amd64        | tool for simulating superuser                                               |
| ii_fail2ban                    | 0.8.13-1         | all          | ban hosts that cause multiple                                              |
| ii_firmware-linux-free         | 3.3              | all          | Common facilities for all emacsen store /etc in git, mercurial, bzh or darcs|
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ii fontconfig 2.11.0-6.3+deb8u1 amd64 generic font configuration
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ii fontconfig-config 2.11.0-6.3+deb8u1 all generic font configuration
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ii fonts-dejavu-core 2.34-1 all Vera font family derivate with additional characters
ii fping 3.10-2 amd64 sends ICMP ECHO_REQUEST packets to network hosts
ii ftp 0.17-31 amd64 classical file transfer client
ii g++ 4:4.9.2-2 amd64 GNU C++ compiler
ii g++-4.9 4.9.2-10 amd64 GNU C++ compiler
ii gawk 1:4.1.1+dfsg-1 amd64 GNU awk, a pattern scanning and processing language
ii gcc 4.4.9.2-2 amd64 GNU C compiler
ii gcc-4.8-base:amd64 4.8.4-1 amd64 GCC, the GNU Compiler Collection (base package)
ii gcc-4.9 4.9.2-10 amd64 GNU C compiler
ii gcc-4.9-base:amd64 4.9.2-10 amd64 GCC, the GNU Compiler Collection (base package)
ii geoip-database 20150317-1 all IP lookup command line tools that use the GeoIP library (country database)
ii gettext 0.19.3-2 amd64 GNU Internationalization utilities
ii gettext-base 0.19.3-2 amd64 GNU Internationalization utilities for the base system
ii git 1:2.1.4-2.1+deb8u5 amd64 fast, scalable, distributed revision control system
ii git-man 1:2.1.4-2.1+deb8u5 all fast, scalable, distributed revision control system (manual pages)
ii gnupg 1.4.18-7+deb8u4 amd64 GNU privacy guard - a free PGP replacement
ii gnupg-agent 2.0.26-6+deb8u1 amd64 GNU privacy guard - password agent
ii gnupg2 2.0.26-6+deb8u1 amd64 GNU privacy guard - a free PGP replacement (new v2.x)
ii gpgv 1.4.18-7+deb8u4 amd64 GNU privacy guard - signature verification tool
ii grep 2.20-4.1 amd64 GNU grep, egrep and fgrep
ii groff-base 1.22.2-8 amd64 GNU troff text-formatting system (base system components)
ii grub-common 2.02~beta2-22+deb8u1 amd64 GRand Unified Bootloader (common files)
ii grub-pc 2.02~beta2-22+deb8u1 amd64 GRand Unified Bootloader, version 2 (PC/BIOS version)
ii grub-pc-bin 2.02~beta2-22+deb8u1 amd64 GRand Unified Bootloader, version 2 (PC/BIOS binaries)
ii grub2-common 2.02~beta2-22+deb8u1 amd64 GRand Unified Bootloader (common files for version 2)
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- gzip 1.6-4  amd64  GNU compression utilities
- haproxy 1.5.8-3+deb8u2  amd64  fast and reliable load balancing
- hiera 1.3.4-1  all  Light weight hierarchical data store
- host 1:9.9.5.dfsg-9+deb8u14  all  Transitional package
- hostname 3.15  amd64  utility to set/show the host name or domain name
- htop 1.0.3-1  amd64  interactive processes viewer
- ifrench-gut 1:1.0-30  amd64  French dictionary for ispell
- ifupdown 0.7.53.1  amd64  high level tools to configure network interfaces
- info 5.2.0.dfsg.1-6  amd64  Standalone GNU Info documentation browser
- init 1.22  amd64  System-V-like init utilities - metapackage
- init-system-helpers 1.22  all  helper tools for all init systems
- initramfs-tools 0.120+deb8u3  all  generic modular initramfs generator
- insserv 1.14.0-5  amd64  boot sequence organizer using LSB init.d script dependency information
- install-info 5.2.0.dfsg.1-6  amd64  Manage installed documentation in info format
- installation-report 2.58  all  system installation report
- inttool-debian 0.35.0+20060710.1  all  Help i18n of RFC822 compliant config files
- iproute2 3.16.0-2  amd64  networking and traffic control tools
- iptables 1.4.21-2+b1  amd64  administration tools for packet filtering and NAT
- iputils-ping 3:20121221-5+b2  amd64  Tools to test the reachability of network hosts
- irqbalance 1.1.0-2-bpo8+1  amd64  Daemon to balance interrupts for SMP systems
- isc-dhcp-client 4.3.1-6+deb8u2  amd64  DHCP client for automatically obtaining an IP address
- isc-dhcp-common 4.3.1-6+deb8u2  amd64  common files used by all of the isc-dhcp packages
- iso-codes 3.57-1  all  ISO language, territory, currency, script codes and their translations
- ispell 3.3.02-6  amd64  International Ispell (an interactive spelling corrector)
- javascript-common 11  all  Base support for JavaScript library packages
- kbd 1.15.5-2  amd64  Linux console font and keytable utilities
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ii libauparse0:amd64 1:2.4-1+b1 amd64 Dynamic library for parsing
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ii libauthen-sasl-perl 2.1600-1 all Authen::SASL - SASL Authentication framework
ii libavahi-client3:amd64 0.6.31-5 amd64 Avahi client library
ii libavahi-common-data:amd64 0.6.31-5 amd64 Avahi common data files
ii libavahi-common3:amd64 0.6.31-5 amd64 Avahi common library
ii libb-hooks-endofscope-perl 0.13-1 all module for executing code after a
scope finished compilation
ii libbind9-90 1:9.9.5.dfsg-9+deb8u14 amd64 BIND9 Shared Library used
by BIND
ii libblkid1:amd64 2.25.2-6 amd64 block device id library
ii libboost-iostreams1.55.0:amd64 1.55.0+dfsg-3 amd64 Boost.Iostreams Library
- shared library
ii libb2-1.0:amd64 1.0.6-7+b3 amd64 high-quality block-sorting file
compressor library - runtime
ii libc-bin 2.19-18+deb8u10 amd64 GNU C Library: Binaries
ii libc-dev-bin 2.19-18+deb8u10 amd64 GNU C Library: Development
libraries
ii libc6:amd64 2.19-18+deb8u10 amd64 GNU C Library: Shared
ii libc6-dev:amd64 2.19-18+deb8u10 amd64 GNU C Library:
Development Libraries and Header Files
ii libc6-i386 2.19-18+deb8u10 amd64 GNU C Library: 32-bit shared
libraries for AMD64
ii libcache-memcached-fast-perl 0.22-1+b1 amd64 Perl client for memcached,
in C language
ii libccairo2:amd64 1.14.0-2.1+deb8u2 amd64 Cairo 2D vector graphics
library
ii libcap-ng0:amd64 0.7.4-2 amd64 An alternate POSIX capabilities
library
ii libcap2:amd64 1:2.24-8 amd64 POSIX 1003.1e capabilities
(library)
ii libcap2-bin 1:2.24-8 amd64 POSIX 1003.1e capabilities
(utilities)
ii libcfg6:amd64 2.4.2-3~bpo8+1 amd64 cluster engine CFG library
ii libcgi-fast-perl 1:2.04-1 all CGI subclass for work with FCGI
ii libcgi-pm-perl 4.09-1 all module for Common Gateway
Interface applications
ii libcib4:amd64 1.11.16-1~bpo8+1 amd64 cluster resource manager CIB
library
ii libcilkrts5:amd64 4.9.2-10 amd64 Intel Cilk Plus language
extensions (runtime)
ii libclamav7 0.100.0+dfsg-0+deb8u1 amd64 anti-virus utility for Unix -
library
ii libclass-accessor-perl 0.34-1 all Perl module that automatically
generates accessors
ii libclass-c3-perl 0.26-1 all pragma for using the C3 method
resolution order
ii libclass-c3-xs-perl 0.13-2+b1 amd64 Perl module to accelerate
Class::C3
ii libclass-isa-perl 0.36-5 all report the search path for a class's ISA
tree
ii libclass-load-perl 0.22-1 all module for loading modules by name
ii libclass-singleton-perl 1.4-1 all implementation of a "Singleton" class
ii libcloog-isl4:amd64 0.18.2-1+b2 amd64 Chunky Loop Generator
(runtime library)
ii libcmap4:amd64 2.4.2-3-bpo8+1 amd64 cluster engine CMAP library
ii libcomerr2:amd64 1.42.12-2+b1 amd64 common error description
library
ii libconfig-tiny-perl 2.20-1 all Read/Write .ini style files with as little
code as possible
ii libcorosync-common4:amd64 2.4.2-3~bpo8+1 amd64 cluster engine common
library
ii libcpan-meta-perl 2.142690-1 all Perl module to access CPAN
distributions metadata
ii libcpg4:amd64 2.4.2-3~bpo8+1 amd64 cluster engine CPG library
ii libcrmcluster4:amd64 1.1.16-1~bpo8+1 amd64 cluster resource manager
cluster library
ii libcremcommon3:amd64 1.1.16-1~bpo8+1 amd64 cluster resource
manager common library
ii libcrmservice3:amd64 1.1.16-1~bpo8+1 amd64 cluster resource manager
service library
ii libcroco3:amd64 0.6.8-3+b1 amd64 Cascading Style Sheet (CSS)
parsing and manipulation toolkit
ii libcryptsetup4:amd64 2:1.6.6-5 amd64 disk encryption support - shared
library
ii libcryptsetup4:amd64 1.7.5-11+deb8u2 amd64 Common UNIX Printing
System(tm) - Core library
ii libcryptsetup4:amd64 1.0.61-5+deb8u3 amd64 OpenPrinting CUPS Filters
- Shared library
ii libcryptsetup4:amd64 1.7.5-11+deb8u2 amd64 Common UNIX Printing
System(tm) - Raster image library
ii libcurl3:amd64 7.38.0-4+deb8u8 amd64 easy-to-use client-side URL
transfer library (OpenSSL flavour)
ii libcurl3-gnutls:amd64 7.38.0-4+deb8u8 amd64 easy-to-use client-side URL
transfer library (GnuTLS flavour)
ii libcroco3:amd64 0.5.17-2 amd64 high-level terminal interface
library for C++ (runtime files)
ii libdata-optlist-perl 0.109-1 all module to parse and validate simple
name/value option pairs
ii libdata-section-perl 0.200006-1 all module to read chunks of data from
a module's DATA section
ii libdatetime-local-perl 1:0.45-2 all Perl extension providing
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localization support for DateTime
ii libdatetime-perl 2:1.12-1 amd64 module for manipulating dates, times and timestamps
ii libdatetime-timezone-perl 1:1.75-2+2017c all framework exposing the Olson time zone database to Perl
ii libdatrie1:amd64 0.2.8-1 amd64 Double-array trie library
ii libdb5.3:amd64 5.3.28-9+deb8u1 amd64 Berkeley v5.3 Database Libraries [runtime]
ii libdbs1:amd64 0.9.0-4+deb8u1 amd64 DB Independent Abstraction Layer for C -- shared library
ii libdbus-1-3:amd64 1.8.22-0+deb8u1 amd64 simple interprocess messaging system (library)
ii libdbus-glib-1-2:amd64 0.102-1 amd64 simple interprocess messaging system (GLib-based shared library)
ii libdebconfclient0:amd64 0.192 amd64 Debian Configuration Management System (C-implementation library)
ii libdevmapper1.02.1:amd64 2:1.02.90-2.2+deb8u1 amd64 Linux Kernel Device Mapper userspace library
ii libdiscover2 2.1.2-7 amd64 hardware identification library
ii libdns-export100 1:9.9.5.dfsg-9+deb8u14 amd64 Exported DNS Shared Library
ii libdns100 1:9.9.5.dfsg-9+deb8u14 amd64 DNS Shared Library used by BIND
ii libdpkg-perl 1.17.27 all Dpkg perl modules
ii libedit2:amd64 3.1-20140620-2 amd64 BSD editline and history libraries
ii libelf1:amd64 0.159-4.2 amd64 library to read and write ELF files
ii libencode-locale-perl 1.03-1 all utility to determine the locale encoding
ii liberror-perl 0.17-1.1 all Perl module for error/exception handling in an OO-ish way
ii libesmtp6 1.0.6-4 amd64 LibESMTP SMTP client library
ii libesr0 0.1.9-1.1 amd64 Helper functions for handling strings (lib)
ii libevent-2.0-5:amd64 2.0.21-stable-2+deb8u1 amd64 Asynchronous event notification library
ii libexpat1:amd64 2.1.0-6+deb8u4 amd64 XML parsing C library - runtime library
ii libfakeroot:amd64 1.20.2-1 amd64 tool for simulating superuser privileges - shared libraries
ii libfastlz 0.1-7.1 amd64 zlib-like interface to fast block compression (LZ4 or FastLZ) libraries
ii libfcgi-perl 0.77-1+deb8u1 amd64 helper module for FastCGI
ii libffi6:amd64 3.1-2+deb8u1 amd64 Foreign Function Interface library runtime
ii libfile-fcntllock-perl 0.22-1+b1 amd64 Perl module for file locking with fcntl(2)
ii libfile-listing-perl 6.04-1 all module to parse directory listings
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- **libfont-afm-perl**: 1.20-1 all Font::AFM - Interface to Adobe Font Metrics files
- **libfontconfig1:amd64** 2.11.0-6.3+deb8u1 amd64 generic font configuration
- **libfreeradius-client2**: 1.1.6-7 amd64 Enhanced RADIUS client library
- **libfreetype6:amd64** 2.5.2-3+deb8u2 amd64 FreeType 2 font engine, shared library files
- **libfuse2:amd64** 2.9.3-15+deb8u2 amd64 Filesystem in Userspace (library)
- **libgc1c2:amd64**: 1:7.2d-6.4 amd64 conservative garbage collector
- **libgcc-4.9-dev:amd64**: 4.9.2-10 amd64 GCC support library
- **libgcrypt20:amd64**: 1.6.3-2+deb8u4 amd64 LGPL Crypto library - (development files)
- **libgdbm3:amd64**: 1.8.3-13.1 amd64 GNU dbm database routines (runtime version)
- **libgdk-pixbuf2.0-0:amd64**: 2.31.1-2+deb8u6 amd64 GDK Pixbuf library
- **libgdk-pixbuf2.0-common**: 2.31.1-2+deb8u6 all GDK Pixbuf library - data files
- **libgeolocalization-perl**: 1.4.9.2-10 amd64 GCC support library
- **libgettextpo-dev:amd64**: 1.6.3-2+deb8u4 amd64 LGPL Crypto library - runtime library
- **libglib2.0-0:amd64**: 1.8.3-13.1 amd64 GLib library of C routines (runtime version)
- **libgmp10:amd64**: 2.31.1-2+deb8u6 all GDK Pixbuf library - data files
- **libgmp10:amd64**: 2.42.1-1+b1 amd64 GLib library of C routines (library)
- **libgmp10:amd64**: 2.42.1-1+b1 all Common files for GLib library (library)
- **libgnutls-deb0-28:amd64**: 2.42.1-1+b1 all Multiprecision arithmetic library library
- **libgnutls-openssl27:amd64**: 2.6.0.0+dfsg-6 amd64 GNU TLS library - main (runtime library)
- **libgnutls-openssl27:amd64**: 3.3.8-6+deb8u7 amd64 GNU TLS library - OpenSSL wrapper (library)
- **libgomp1:amd64**: 4.9.2-10 amd64 GCC OpenMP (GOMP) support (library)
- **libgpg-error0:amd64**: 1.5.1-6 amd64 library for common error values (library)
- **libgpgme11:amd64**: 1.12.1+dfsg-19+deb8u4 amd64 GPGME - GnuPG Made Easy (library)
- **libgpm2:amd64**: 2.24.25-3+deb8u2 amd64 General Purpose Mouse - shared library
- **libgraphite2-3:amd64**: 1.3.10-1~deb8u1 amd64 Font rendering engine for Complex Scripts -- library
- **libgssapi-krb5-2:amd64**: 1.12.1+dfsg-19+deb8u4 amd64 MIT Kerberos runtime libraries - krb5 GSS-API Mechanism
- **libgt2.0-0:amd64**: 2.24.25-3+deb8u2 amd64 GTK+ graphical user
interface library
ii  libgtk2.0-bin  2.24.25-3+deb8u2  amd64  programs for the GTK+
graphical user interface library
ii  libgtk2.0-common  2.24.25-3+deb8u2  all  common files for the GTK+
ii  libharfbuzz0b:amd64  0.9.35-2  amd64  OpenType text shaping engine
(shared library)
ii  libhogweed2:amd64  2.7.1-5+deb8u2  amd64  low level cryptographic
library (public-key cryptos)
ii  libhtml-form-perl  6.03-1  all  module that represents an HTML
form element
ii  libhtml-format-perl  2.11-1  all  module for transforming HTML into
various formats
ii  libhtml-parser-perl  3.71-1+b3  amd64  collection of modules that parse
HTML text documents
ii  libhtml-tagset-perl  3.20-2  all  Data tables pertaining to HTML
ii  libhtml-tree-perl  5.03-1  all  Perl module to represent and create
HTML syntax trees
ii  libhttp-cookies-perl  6.01-1  all  HTTP cookie jars
ii  libhttp-daemon-perl  6.01-1  all  simple http server class
ii  libhttp-date-perl  6.02-1  all  module of date conversion routines
ii  libhttp-message-perl  6.06-1  all  perl interface to HTTP style
messages
ii  libhttp-negotiate-perl  6.00-2  all  implementation of content
negotiation
ii  libibverbs1  1.1.8-1.1  amd64  Library for direct userspace use of
RDMA (InfiniBand/IWARP)
ii  libicu52:amd64  52.1-8+deb8u6  amd64  International Components for
Unicode
ii  libidn11:amd64  1.29-1+deb8u2  amd64  GNU Libidn library,
implementation of IETF IDN specifications
ii  libintl-perl  1.23-1+deb8u1  all  Uniforum message translations
system compatible i18n library
ii  libio-html-perl  1.001-1  all  open an HTML file with automatic
charset detection
ii  libio-socket-ip-perl  0.32-1  all  module for using IPv4 and IPv6
sockets in a protocol-independent way
ii  libio-socket-ssl-perl  2.002-2+deb8u3  all  Perl module implementing object
oriented interface to SSL sockets
ii  libio-string-perl  1.08-3  all  Emulate IO::File interface for in-core
strings
ii  libirs-export91  1:9.9.5-5dfsg-9+deb8u14  amd64  Exported IRS Shared
Library
ii  libisc-export95  1:9.9.5-5dfsg-9+deb8u14  amd64  Exported ISC Shared
Library
ii  libisc95  1:9.9.5-5dfsg-9+deb8u14  amd64  ISC Shared Library used by
BIND
ii  libisccee90  1:9.9.5-5dfsg-9+deb8u14  amd64  Command Channel Library
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used by BIND

ii  libisccfg-export90  1:9.9.5.dfsg-9+deb8u14  amd64  Exported ISC CFG Shared Library

ii  libisccfg90  1:9.9.5.dfsg-9+deb8u14  amd64  Config File Handling Library

used by BIND

ii  libisl10:amd64  0.12.2-2  amd64  manipulating sets and relations of integer points bounded by linear constraints

ii  libitm1:amd64  4.9.2-10  amd64  GNU Transactional Memory Library

ii  libjansson4:amd64  1.900.1.debian1-2.4+deb8u3  amd64  JasPer JPEG-2000 runtime library

ii  libjasper1:amd64  1.900.1-debian1-2.4+deb8u3  amd64  JasPer JPEG-2000 runtime library

ii  libjpeg62-turbo:amd64  1:1.3.1-12  amd64  libjpeg-turbo JPEG runtime library

ii  libjasper1:amd64  1.900.1-debian1-2.4+deb8u3  amd64  JasPer JPEG-2000 runtime library

ii  libjansson4:amd64  2.7-1+deb8u1  amd64  C library for encoding, decoding and manipulating JSON data

ii  libjpeg62-turbo:amd64  1:1.3.1-12  amd64  libjpeg-turbo JPEG runtime library

ii  libjasper1:amd64  1.900.1-debian1-2.4+deb8u3  amd64  JasPer JPEG-2000 runtime library

ii  libk5crypto3:amd64  1.12.1+dfsg-19+deb8u4  amd64  MIT Kerberos runtime libraries - Crypto Library

ii  libkeyutils1:amd64  1.5.9-5+b1  amd64  Linux Key Management Utilities (library)

ii  liblcms2-2:amd64  2.0.4-2  amd64  minimal libc subset for use with initramfs

ii  libkmod2:amd64  18-3  amd64  libkmod shared library

ii  libkrb5-3:amd64  1.12.1+dfsg-19+deb8u4  amd64  MIT Kerberos runtime libraries

ii  libkrb5support0:amd64  1.12.1+dfsg-19+deb8u4  amd64  MIT Kerberos runtime libraries - Support library

ii  libk5crypto3:amd64  1:1.2.1-1+deb8u1  amd64  X.509 and CMS support

ii  liblcms2-2:amd64  2:6.3+deb8u1  amd64  Little CMS 2 color

ii  libldap-2.4-2:amd64  2.4.40+dfsg-1+deb8u3  amd64  OpenLDAP libraries

database - shared library

ii  liblist-allutils-perl  0.09-1  all  Perl wrapper for modules List::Util and List::MoreUtils

ii  liblist-moreutils-perl  0.33-2+b1  amd64  Perl module with additional list functions not found in List::Util

ii  libllvm3.5:amd64  1:3.5-10  amd64  Modular compiler and toolchain technologies, runtime library

ii  liblocale-gettext-perl  1.05-8+b1  amd64  module using libc functions for internationalization in Perl

ii  libblockfile-bin  1.09-6  amd64  support binaries for and cli utilities based on libblockfile

ii  libblockfile-simple-perl locking  0.208-1  all  Perl module for simple advisory file
<table>
<thead>
<tr>
<th>Package Name</th>
<th>Version</th>
<th>Architecture</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>libblockfile1:amd64</td>
<td>1.09-6</td>
<td>amd64</td>
<td>NFS-safe locking library</td>
</tr>
<tr>
<td>liblog-agent-perl</td>
<td>1.00-1</td>
<td>all</td>
<td>Perl module providing helper logging routines</td>
</tr>
<tr>
<td>liblog-handler-perl</td>
<td>0.84-1</td>
<td>all</td>
<td>module to handle output destined for logging log files</td>
</tr>
<tr>
<td>liblog-message-perl</td>
<td>0.8-1</td>
<td>all</td>
<td>powerful and flexible message mechanism</td>
</tr>
<tr>
<td>liblog-message-simple-perl</td>
<td>0.10-2</td>
<td>all</td>
<td>simplified interface to Log::Message</td>
</tr>
<tr>
<td>liblogging-stdlog0:amd64</td>
<td>1.0.4-1</td>
<td>amd64</td>
<td>easy to use and lightweight logging library library</td>
</tr>
<tr>
<td>liblrm2</td>
<td>1.0.12-rc1+hg2777-1.2</td>
<td>amd64</td>
<td>Reusable cluster libraries -- LRMD library</td>
</tr>
<tr>
<td>liblrmd1:amd64</td>
<td>1.1.16-1~bpo8+1</td>
<td>amd64</td>
<td>cluster resource manager</td>
</tr>
<tr>
<td>liblrm2</td>
<td>1.0.1-3</td>
<td>amd64</td>
<td>Log normalizing library</td>
</tr>
<tr>
<td>liblsan0:amd64</td>
<td>4.9.2-10</td>
<td>amd64</td>
<td>LeakSanitizer -- a memory leak</td>
</tr>
<tr>
<td>libldl7:amd64</td>
<td>2.4.2-1.11+b1</td>
<td>amd64</td>
<td>System independent dlopen wrapper for GNU libtool</td>
</tr>
<tr>
<td>liblua5.2-0:amd64</td>
<td>5.2.3-1.1</td>
<td>amd64</td>
<td>Shared library for the Lua</td>
</tr>
<tr>
<td>liblwp-mediatypes-perl</td>
<td>6.02-1</td>
<td>all</td>
<td>module to guess media type for a file or a URL</td>
</tr>
<tr>
<td>liblwp-protocol-https-perl</td>
<td>6.06-2</td>
<td>all</td>
<td>HTTPS driver for LWP::UserAgent</td>
</tr>
<tr>
<td>liblwres90</td>
<td>1:9.9.5.dfsg-9+deb8u14</td>
<td>amd64</td>
<td>Lightweight Resolver Library used by BIND</td>
</tr>
<tr>
<td>liblzma5:amd64</td>
<td>5.1.1alpha+20120614-2+b3</td>
<td>amd64</td>
<td>XZ-format compression library</td>
</tr>
<tr>
<td>liblzo2-2:amd64</td>
<td>2.08-1.2</td>
<td>amd64</td>
<td>data compression library</td>
</tr>
<tr>
<td>libmagic1:amd64</td>
<td>1:5.22+15-2+deb8u3</td>
<td>amd64</td>
<td>File type determination library using &quot;magic&quot; numbers</td>
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<tr>
<td>libmail-sendmail-perl</td>
<td>0.79.16-1</td>
<td>all</td>
<td>Send email from a perl script</td>
</tr>
<tr>
<td>libmailtools-perl</td>
<td>2.13-1</td>
<td>all</td>
<td>Manipulate email in perl programs</td>
</tr>
<tr>
<td>libmath-calc-units-perl</td>
<td>1.07-1</td>
<td>all</td>
<td>Human-readable unit-aware</td>
</tr>
<tr>
<td>libmnl0:amd64</td>
<td>1.0.3-5</td>
<td>amd64</td>
<td>minimalistic Netlink</td>
</tr>
<tr>
<td>libmodule-build-perl</td>
<td>0.421000-2+deb8u1</td>
<td>all</td>
<td>framework for building and installing Perl modules</td>
</tr>
<tr>
<td>libmodule-implementation-perl</td>
<td>0.09-1</td>
<td>all</td>
<td>module for loading one of several alternate implementations of a module</td>
</tr>
<tr>
<td>libmodule-pluggable-perl</td>
<td>5.1-1</td>
<td>all</td>
<td>module for giving modules the ability to have plugins</td>
</tr>
<tr>
<td>libmodule-runtime-perl</td>
<td>0.014-1</td>
<td>all</td>
<td>Perl module for runtime module handling</td>
</tr>
</tbody>
</table>
| libmodule-signature-perl           | 0.73-1+deb8u2 | all | module to manipulate CPAN
SIGNATURE files

<table>
<thead>
<tr>
<th>Package</th>
<th>Version</th>
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<th>Description</th>
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<tbody>
<tr>
<td>libmount1:amd64</td>
<td>2.25.2-6</td>
<td>amd64</td>
<td>device mounting library</td>
</tr>
<tr>
<td>libmpc3:amd64</td>
<td>1.0.2-1</td>
<td>amd64</td>
<td>multiple precision complex floating-point library</td>
</tr>
<tr>
<td>libmpdec2:amd64</td>
<td>2.4.1-1</td>
<td>amd64</td>
<td>library for decimal floating-point arithmetic (runtime library)</td>
</tr>
<tr>
<td>libmpfr4:amd64</td>
<td>3.1.2-2</td>
<td>amd64</td>
<td>multiple precision floating-point computation</td>
</tr>
<tr>
<td>libnagios-plugin-perl</td>
<td>0.36-1</td>
<td>all</td>
<td>family of perl modules to streamline writing Nagios</td>
</tr>
<tr>
<td>libnamespace-clean-perl</td>
<td>0.25-1</td>
<td>all</td>
<td>module for keeping imports and functions out of the current namespace</td>
</tr>
<tr>
<td>libncurses5:amd64</td>
<td>5.9+20140913-1+deb8u2</td>
<td>amd64</td>
<td>shared libraries for terminal handling</td>
</tr>
<tr>
<td>libncursesw5:amd64</td>
<td>5.9+20140913-1+deb8u2</td>
<td>amd64</td>
<td>shared libraries for terminal handling (wide character support)</td>
</tr>
<tr>
<td>libnet-http-perl</td>
<td>6.07-1</td>
<td>all</td>
<td>module providing low-level HTTP connection client</td>
</tr>
<tr>
<td>libnet-smtp-ssl-perl</td>
<td>1.01-3</td>
<td>all</td>
<td>Perl module providing SSL support to Net::SMTP</td>
</tr>
<tr>
<td>libnet-snmp-perl</td>
<td>6.0.1-2</td>
<td>all</td>
<td>Script SNMP connections</td>
</tr>
<tr>
<td>libnet-ssleay-perl</td>
<td>1.65-1+deb8u1</td>
<td>amd64</td>
<td>Perl module for Secure Sockets Layer (SSL)</td>
</tr>
<tr>
<td>libnfsidmap2:amd64</td>
<td>0.25-5</td>
<td>amd64</td>
<td>library for the construction and handling of network packets</td>
</tr>
<tr>
<td>libnetfilter-acct1:amd64</td>
<td>1.0.2-1.1</td>
<td>amd64</td>
<td>Netfilter acct library</td>
</tr>
<tr>
<td>libnetfilter-l4:amd64</td>
<td>2.7.1-5+deb8u2</td>
<td>amd64</td>
<td>low level cryptographic library (symmetric and one-way cryptos)</td>
</tr>
<tr>
<td>libnewt0.52:amd64</td>
<td>0.52.17-1+b1</td>
<td>amd64</td>
<td>Not Erik's Windowing Toolkit - text mode windowing with slang</td>
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<tr>
<td>libfnfnetlink0:amd64</td>
<td>1.0.1-3</td>
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<td>Netfilter netlink library</td>
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<td>libnfsidmap2:amd64</td>
<td>0.25-5</td>
<td>amd64</td>
<td>NFS idmapping library</td>
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<tr>
<td>libnss3:amd64</td>
<td>2.4.12-1+debu8u1</td>
<td>amd64</td>
<td>NetScape Portable Runtime Library</td>
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<tr>
<td>libnss5:amd64</td>
<td>2.3.26-1+debu8u3</td>
<td>amd64</td>
<td>Network Security Service libraries</td>
</tr>
<tr>
<td>libnbd1:amd64</td>
<td>1.0-5</td>
<td>amd64</td>
<td>New Trivial Database - shared library</td>
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<tr>
<td>libnuma1:amd64</td>
<td>2.0.10-1</td>
<td>amd64</td>
<td>Libraries for controlling NUMA policy</td>
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<tr>
<td>libopenhpi2</td>
<td>2.14.1-1.4</td>
<td>amd64</td>
<td>OpenHPI libraries (runtime and support files)</td>
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ii  libopenipmi0                                   2.0.16-1.4                   amd64                        Intelligent Platform Management Interface - runtime
ii  libp11-kit0:amd64                              0.20.7-1                     amd64                        Library for loading and coordinating access to PKCS#11 modules - runtime
ii  libpackage-constants-perl                     0.04-1                       all                           List constants defined in a package module providing routines for manipulating stashes
ii  libpackage-stash-perl                         0.37-1                       all                           Perl module providing routines for manipulating stashes (XS version)
ii  libpackage-stash-xs-perl                      0.28-2+b1                    amd64                        Module providing routines for manipulating stashes
ii  libpam-modules:amd64                           1.1.8-3.1+deb8u2+b1          amd64                        Pluggable Authentication Modules for PAM
ii  libpam-modules-bin                             1.1.8-3.1+deb8u2+b1          amd64                        Pluggable Authentication Modules for PAM - helper binaries
ii  libpam-runtime                                 1.1.8-3.1+deb8u2             all                           Runtime support for the PAM library
ii  libpam-runtime                                 1.1.8-3.1+deb8u2+b1          amd64                        Pluggable Authentication Modules library
ii  libpango-1.0-0:amd64                           1.36.8-3                     amd64                        Layout and rendering of internationalized text
ii  libpangocairo-1.0-0:amd64                      1.36.8-3                     amd64                        Layout and rendering of internationalized text
ii  libpangoft2-1.0-0:amd64                        1.36.8-3                     amd64                        Layout and rendering of internationalized text
ii  libpaper-utils                                 1.1.24+nmu4                  amd64                        library for handling paper characteristics (utilities)
ii  libpaper1:amd64                                1.1.24+nmu4                  amd64                        library for handling paper
ii  libparams-classify-perl                        0.013-4+b2                   amd64                        Perl module for argument type classification
ii  libparams-util-perl                            1.07-2+b1                    amd64                        Perl extension for simple stand-alone param checking functions
ii  libparams-validate-perl                        1.13-1+b1                    amd64                        Perl module to validate parameters to Perl method/function calls
ii  libparse-debianchangelog-perl                  1.2.0-1.1                    all                           parse Debian changelogs and output them in other formats
ii  libpcap0.8:amd64                               1.6.2-2                      amd64                        system interface for user-level packet capture
ii  libpci3:amd64                                  1:3.2.1-3                    amd64                        Linux PCI Utilities (shared library)
ii  libpcre3:amd64                                 2:8.35-3.3+deb8u4            amd64                        Perl 5 Compatible Regular Expression Library - runtime files
ii  libpe-rules2:amd64                             1.1.16-1~bpo8+1              amd64                        cluster resource manager
ii  libpe-status10:amd64                            1.116-1~bpo8+1               amd64                        cluster resource manager
ii  libpengine10:amd64                             1.116-1~bpo8+1               amd64                        cluster resource manager
ii  libperl4-corelibs-perl                         0.003-1                      all                           libraries historically supplied with Perl 4
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<tr>
<td>libperl5.20</td>
<td>5.20.2-3+deb8u9</td>
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<td>shared Perl library</td>
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<td>libpil2</td>
<td>1.0.12~rc1+hg2777-1.2</td>
<td>amd64</td>
<td>Reusable cluster libraries --</td>
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<td>libpipeline1:amd64</td>
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<td>pipeline manipulation library</td>
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<td>libpixman-1-0:amd64</td>
<td>0.32.6-3</td>
<td>amd64</td>
<td>pixel-manipulation library for X and cairo</td>
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<td>libplumb2</td>
<td>1.0.12~rc1+hg2777-1.2</td>
<td>amd64</td>
<td>Reusable cluster libraries --</td>
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<td>libplumbgpl2</td>
<td>1.0.12~rc1+hg2777-1.2</td>
<td>amd64</td>
<td>Reusable cluster libraries --</td>
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<td>libpng12-0:amd64</td>
<td>1.2.50-2+deb8u3</td>
<td>amd64</td>
<td>PNG library - runtime</td>
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<td>libpod-latex-perl</td>
<td>0.61-1</td>
<td>all</td>
<td>module to convert Pod data to formatted LaTeX file</td>
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<tr>
<td>libpod-readme-perl</td>
<td>0.11-1</td>
<td>all</td>
<td>Perl module to convert POD to README file</td>
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<tr>
<td>libpopt0:amd64</td>
<td>1.16-10</td>
<td>amd64</td>
<td>lib for parsing cmdline parameters</td>
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<td>libpq5:amd64</td>
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<td>PostgreSQL C client library</td>
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<td>libprelude2</td>
<td>1.0.0-11.4</td>
<td>amd64</td>
<td>Security Information Management System [ Base library ]</td>
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<td>libprocps3:amd64</td>
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<td>amd64</td>
<td>library for accessing process</td>
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<td>libpsl0:amd64</td>
<td>0.5.1-1</td>
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<td>Library for Public Suffix List</td>
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<td>libpth20:amd64</td>
<td>2.0.7-20</td>
<td>amd64</td>
<td>GNU Portable Threads</td>
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<td>libpython-stdlib:amd64</td>
<td>2.7.9-1</td>
<td>amd64</td>
<td>interactive high-level object-oriented language (default python version)</td>
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<tr>
<td>libpython2.7:amd64</td>
<td>2.7.9-2+deb8u1</td>
<td>amd64</td>
<td>Shared Python runtime library (version 2.7)</td>
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<td>libpython2.7-minimal:amd64</td>
<td>2.7.9-2+deb8u1</td>
<td>amd64</td>
<td>Minimal subset of the Python language (version 2.7)</td>
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<tr>
<td>libpython2.7-stdlib:amd64</td>
<td>2.7.9-2+deb8u1</td>
<td>amd64</td>
<td>Interactive high-level object-oriented language (standard library, version 2.7)</td>
</tr>
<tr>
<td>libpython3-stdlib:amd64</td>
<td>3.4.2-2</td>
<td>amd64</td>
<td>interactive high-level object-oriented language (default python3 version)</td>
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<tr>
<td>libpython3.4-minimal:amd64</td>
<td>3.4.2-1</td>
<td>amd64</td>
<td>Minimal subset of the Python language (version 3.4)</td>
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<td>libpython3.4-stdlib:amd64</td>
<td>3.4.2-1</td>
<td>amd64</td>
<td>Interactive high-level object-oriented language (standard library, version 3.4)</td>
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<tr>
<td>libq0:amd64</td>
<td>1.0.1-1~bpo8+1</td>
<td>amd64</td>
<td>high performance client server features library</td>
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<td>libquadmath0:amd64</td>
<td>4.9.2-10</td>
<td>amd64</td>
<td>GCC Quad-Precision Math</td>
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<tr>
<td>libquorum5:amd64</td>
<td>2.4.2-3~bpo8+1</td>
<td>amd64</td>
<td>cluster engine Quorum library</td>
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<tr>
<td>librdmacm1</td>
<td>1.0.19.1-1</td>
<td>amd64</td>
<td>Library for managing RDMA connections</td>
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<tr>
<td>libreadline5:amd64</td>
<td>5.2+dfsg-2</td>
<td>amd64</td>
<td>GNU readline and history</td>
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</table>

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- **libreadline6**: am64 6.3-8+b3 GNU readline and history libraries, run-time libraries
- **libregexp-common-perl**: all 4.11.3-1.1 RPM module with common regular expressions
- **librpm3**: am64 4.11.3-1.1 RPM shared library
- **librpmbuild3**: am64 4.11.3-1.1 RPM build shared library
- **librpmino3**: am64 4.11.3-1.1 RPM IO shared library
- **librpmsign1**: am64 4.11.3-1.1 RPM signing shared library
- **libtmp1**: am64 2.4+20150115.gita107cef-1+de toolkit for RTMP streams (shared library)
- **libruby2.1**: am64 2.1.5-2+deb8u3 Libraries necessary to run Ruby 2.1
- **libsasl2-2**: am64 2.1.26.dfsg1-13+deb8u1 Cyrus SASL - authentication abstraction library
- **libsasl2-modules**: am64 2.1.26.dfsg1-13+deb8u1 Cyrus SASL - pluggable authentication modules
- **libsasl2-modules-db**: am64 2.1.26.dfsg1-13+deb8u1 Cyrus SASL - pluggable authentication modules (DB)
- **libselinux1**: am64 2.3-2 SELinux runtime shared libraries
- **libsemanage-common**: all 2.3-1 Common files for SELinux policy management libraries
- **libsemanagel**: am64 2.3-1+b1 SELinux policy management library
- **libsensors4**: am64 1:3.3.5-2 library to read temperature/voltage/fan sensors
- **libsepol1**: am64 2.3-2 SELinux library for manipulating binary security policies
- **libsigc++-2.0**: am64 2.4.0-1 type-safe Signal Framework for C++ - runtime
- **libsigsegv2**: am64 2.10-4+b1 Library for handling page faults in a portable way
- **libslang2**: am64 2.3.0-2 S-Lang programming library - runtime version
- **libsmartcols1**: am64 2.25.2-6 smart column output alignment library
- **libsmbcclient**: am64 2.4.2.14+dfsg-0+deb8u9 shared library for communication with SMB/CIFS servers
- **libsnmp-base**: all 5.7.2.1+dfsg-1 SNMP configuration script, MIBs and documentation
- **libsnmp30**: am64 5.7.2.1+dfsg-1 SNMP (Simple Network Management Protocol) library
- **libsoftware-license-perl**: all 0.103010-3 module providing templated software licenses
- **libsqlite3-0**: am64 3.8.7.1-1+deb8u2 SQLite 3 shared library
- **libssl1.0.0**: am64 1.42.12-2+b1 Secure Sockets Layer toolkit - command-line interface parsing
- **libssh2-1**: am64 1.4.3-4.1+deb8u1 SSH2 client-side library
- **libssl1.0.0**: am64 1.0.2i-1-bpo8+1 Secure Sockets Layer toolkit -
shared libraries

ii libstatgrab9                                   0.90-1.2       amd64        library being useful interface to
system statistics

ii libstdc++-4.9-dev:amd64                        4.9.2-10       amd64        GNU Standard C++ Library
v3 (development files)

ii libstdc++-6:amd64                             4.9.2-10       amd64        GNU Standard C++ Library v3

ii libstonith1                                  1.0.12~rc1+hg2777-1.2 amd64        Reusable cluster libraries --
libstonith1

ii libstonithd2:amd64                             1.1.16-1~bpo8+1 amd64        cluster resource manager

STONITH daemon library

ii libsub-exporter-perl                         0.986-1        all          sophisticated exporter for custom-
built routines

ii libsub-exporter-progressive-perl             0.001011-1     all          module for using
Sub::Exporter only if needed

ii libsub-identify-perl                          0.08-1         amd64        module to retrieve names of code
references

ii libsub-install-perl                           0.928-1        all          module for installing subroutines into
packages easily

ii libsub-name-perl                              0.12-1         amd64        module for assigning a new name
to referenced sub

ii libswitch-perl                                2.17-2         all          switch statement for Perl

ii libsys-hostname-long-perl                    1.4-3          all          Figure out the long (fully-
qualified) hostname

ii libsysfs2:amd64                               2.1.0+repack-4  amd64        interface library to sysfs

ii libsystemd0:amd64                             215-17+deb8u7  amd64        systemd utility library

ii libtalloc2:amd64                              2.1.2-0+deb8u1  amd64        hierarchical pool based
memory allocator

ii libtasn1-6:amd64                               4.2-3+deb8u3   amd64        Manage ASN.1 structures
(runtime)

ii libtdb1:amd64                                 1.3.6-0+deb8u1  amd64        Trivial Database - shared
library

ii libterm-ui-perl                               0.42-1         all          Term::ReadLine UI made easy

ii libtevent0:amd64                              0.9.28-0+deb8u1 amd64        talloc-based event loop

library - shared library

ii libtext-charwidth-perl                        0.04-7+b3      amd64        get display widths of characters
on the terminal

ii libtext-iconv-perl                            1.7-5+b2       amd64        converts between character sets in
Perl

ii libtext-soundex-perl                          3.4-1+b2       amd64        implementation of the soundex
algorithm

ii libtext-template-perl                         1.46-1         all          perl module to process text templates

ii libtext-unicode-perl                          1.22-1         all          Text::Unidecode -- US-ASCII

transliterations of Unicode text

ii libtext-wrapi18n-perl                         0.06-7         all          internationalized substitute of
Text::Wrap

ii libthai-data                                 0.1.21-1       all          Data files for Thai language support

library

ii libthai0:amd64                                0.1.21-1       amd64        Thai language support library
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- libtiff5:amd64 4.0.3-12.3+deb8u4 amd64 Tag Image File Format (TIFF) library
- libtimedate-perl 2.3000-2 all collection of modules to manipulate date/time information
- libtinfo5:amd64 5.9+20140913-1+deb8u2 amd64 shared low-level terminfo library for terminal handling
- libtpc1:amd64 0.2.5-1+deb8u1 amd64 transport-independent RPC library
- libtokyocabinet9:amd64 1.4.48-3 amd64 Tokyo Cabinet Database Libraries [runtime]
- libtomcrypt0:amd64 1.17-6 amd64 public domain open source cryptographic toolkit
- libtommath0 0.42.0-1.1 amd64 multiple-precision integer library [runtime]
- libtotem-pg5:amd64 2.4.2-3~bpo8+1 amd64 cluster engine Totem library
- libtransitioner2:amd64 1.1.16-1~bpo8+1 amd64 cluster resource manager transitioner library
- libtry-tiny-perl 0.22-1 all module providing minimalistic try/catch
- libubsan0:amd64 4.9.2-10 amd64 ThreadSanitizer -- a Valgrind-based detector of data races (runtime)
- libubsan0:amd64 4.9.2-10 amd64 UBSan -- undefined behaviour
- libudev1:amd64 215-17+deb8u7 amd64 libudev shared library
- libunbound2:amd64 1.4.22-3+deb8u3 amd64 library implementing DNS resolution and validation
- libunistring0:amd64 0.9.3-5.2+b1 amd64 Unicode string library for C
- liburi-perl 1.64-1 all module to manipulate and access URI strings
- libusb-0.1-4:amd64 2:0.1.12-25 amd64 userspace USB programming library
- libusb-1.0-0:amd64 2:1.0.19-1 amd64 userspace USB programming library
- libustr-1.0-1:amd64 1.0.4-3+b2 amd64 Micro string library: shared library
- libuuid1:amd64 2.25.2-6 amd64 Universally Unique ID library
- libvariable-magic-perl 0.55-1 amd64 module to associate user-defined magic to variables from Perl
- libvoteforum8:amd64 2.4.2-3~bpo8+1 amd64 cluster engine Votequorum library
- libwbclient0:amd64 2:4.2.14+dsg-0+deb8u9 amd64 Samba winbind client library
- libwebp5:amd64 0.4.1-1.2+b2 amd64 Lossy compression of digital photographic images.
- libwebpdemux1:amd64 0.4.1-1.2+b2 amd64 Lossy compression of digital photographic images.
- libwebpmux1:amd64 0.4.1-1.2+b2 amd64 Lossy compression of digital photographic images.
- libwrap0:amd64 7.6.q-25 amd64 Wietse Venema's TCP wrappers
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<tr>
<th>Package</th>
<th>Version</th>
<th>Architecture</th>
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<tr>
<td>libwww-perl</td>
<td>6.08-1</td>
<td>all</td>
<td>simple and consistent interface to the world-wide web</td>
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<tr>
<td>libwww-robotrules-perl</td>
<td>6.01-1</td>
<td>all</td>
<td>database of robots.txt-derived permissions</td>
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<tr>
<td>libx11-6:amd64</td>
<td>2:1.6.2-3+deb8u1</td>
<td>amd64</td>
<td>X11 client-side library</td>
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<td>libx11-data</td>
<td>2:1.6.2-3+deb8u1</td>
<td>all</td>
<td>X11 client-side library</td>
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<td>libxapian22</td>
<td>1.2.19-1+deb8u1</td>
<td>amd64</td>
<td>Search engine library</td>
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<td>libxau6:amd64</td>
<td>1:1.0.8-1</td>
<td>amd64</td>
<td>X11 authorisation library</td>
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<td>libxcb-render0:amd64</td>
<td>1.1.0-3+b1</td>
<td>amd64</td>
<td>X C Binding, render extension</td>
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<tr>
<td>libxcb-shm0:amd64</td>
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<td>X C Binding, shm extension</td>
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<td>libxcb1:amd64</td>
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<td>X C Binding</td>
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<td>libcomposite1:amd64</td>
<td>1:0.4.4-1</td>
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<td>X11 Composite extension library</td>
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<td>libcursor1:amd64</td>
<td>1:1.1.14-1+deb8u1</td>
<td>amd64</td>
<td>X cursor management</td>
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<td>libxdamage1:amd64</td>
<td>1:1.1.4-2+b1</td>
<td>amd64</td>
<td>X11 damaged region</td>
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<td>libxdmcp6:amd64</td>
<td>1:1.1.1-1+b1</td>
<td>amd64</td>
<td>X11 Display Manager Control Protocol library</td>
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<td>libxext6:amd64</td>
<td>2:1.3.3-1</td>
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<td>X11 miscellaneous extension library</td>
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<tr>
<td>libxfixes3:amd64</td>
<td>1:5.0.1-2+deb8u1</td>
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<td>X11 miscellaneous 'fixes' library</td>
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<td>libxfixes3:amd64</td>
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<td>X11 miscellaneous 'fixes' library</td>
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<td>2:1.7.4-1+deb8u1</td>
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<td>X11 Input extension library</td>
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<td>libxinerama1:amd64</td>
<td>2:1.1.3-1+b1</td>
<td>amd64</td>
<td>X11 Xinerama extension library</td>
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<td>libxml-libxml-perl</td>
<td>2.0116+dfsg-1+deb8u2</td>
<td>amd64</td>
<td>Perl interface to the libxml2 library</td>
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<tr>
<td>libxml-namespacesupport-perl</td>
<td>1.11-1</td>
<td>all</td>
<td>Perl module for supporting simple generic namespaces</td>
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<tr>
<td>libxml-parser-perl</td>
<td>2.41-3</td>
<td>amd64</td>
<td>Perl module for parsing XML files</td>
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<td>libxml-sax-base-perl</td>
<td>1.07-1</td>
<td>all</td>
<td>base class for SAX drivers and filters</td>
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<td>libxml-sax-expat-perl</td>
<td>0.40-2</td>
<td>all</td>
<td>Perl module for a SAX2 driver for Expat (XML::Parser)</td>
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<td>libxml-sax-perl</td>
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<td>Perl module for using and building Perl SAX2 XML processors</td>
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<td>GNOME XML library</td>
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<td>libxml1:amd64</td>
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<td>libxrandr2:amd64</td>
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<td>X11 RandR extension</td>
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<td>libxrender1:amd64</td>
<td>1:0.9.8-1+b1</td>
<td>amd64</td>
<td>X Rendering Extension client</td>
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<td>libxslt1.1:amd64</td>
<td>1.1.28-2+deb8u3</td>
<td>amd64</td>
<td>XSLT 1.0 processing library -</td>
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<tr>
<th>Package</th>
<th>Version</th>
<th>Architecture</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>libxtables10</td>
<td>1.4.21-2+b1</td>
<td>amd64</td>
<td>netfilter xtables library</td>
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<tr>
<td>python-talloc</td>
<td>2.1.2-0+deb8u1</td>
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<td>python-tdb</td>
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<td>python-wstools</td>
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<td>python2.7</td>
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<td>python2.7-minimal</td>
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ii python3-chardet 2.3.0-1 all universal character encoding detector for Python3
ii python3-dateutil 2.2-2 all powerful extensions to the standard datetime module
ii python3-minimal 3.4.2-2 amd64 minimal subset of the Python language (default python3 version)
ii python3-pkg-resources 5.5.1-1 all Package Discovery and Resource Access using pkg_resources
ii python3-requests 2.4.3-6 all elegant and simple HTTP library for Python3, built for human beings
ii python3-six 1.8.0-1 all Python 2 and 3 compatibility library
ii python3-urllib3 1.9.1-3 all HTTP library with thread-safe connection pooling for Python3
ii python3.4 3.4.2-1 amd64 Interactive high-level object-oriented language (version 3.4)
ii python3.4-minimal 3.4.2-1 amd64 Minimal subset of the Python language (version 3.4)
ii qemu-guest-agent 1:2.1+dfsg-12+deb8u6 amd64 Guest-side qemu-system agent
ii qstat 2.15-1 amd64 Command-line tool for querying quake (and other) servers
ii readline-common 6.3-8 all GNU readline and history libraries, common files
ii rename 0.20-3 all Perl extension for renaming multiple files
ii reportbug 6.6.3 all reports bugs in the Debian distribution
ii resource-agents 1:3.9.3+git20121009-3.1 amd64 Cluster Resource Agents
ii rpcbind 0.2.1-6+deb8u2 amd64 converts RPC program numbers into universal addresses
ii rpm 4.11.3-1.1 amd64 package manager for RPM
ii rpm-common 4.11.3-1.1 amd64 common files for RPM
ii rpm2cpio 4.11.3-1.1 amd64 tool to convert RPM package to CPIO archive
ii rsync 3.1.1-3+deb8u1 amd64 fast, versatile, remote (and local) file-copying tool
ii rsyslog 8.4.2-1+deb8u2 amd64 reliable system and kernel logging daemon
ii samba-common 2:4.2.14+dfsg-0+deb8u9 all common files used by both the Samba server and client
ii samba-common-bin 2:4.2.14+dfsg-0+deb8u9 amd64 Samba common files used by both the server and the client
ii samba-libs:amd64 2:4.2.14+dfsg-0+deb8u9 amd64 Samba core libraries
ii screen 4.2.1-3+deb8u1 amd64 terminal multiplexer with VT100/ANSI terminal emulation
ii sed 4.2.2-4+deb8u1 amd64 The GNU sed stream editor
ii sensible-utils 0.0.9+deb8u1 all Utilities for sensible alternative selection
ii sgml-base 1.26+nmu4 all SGML infrastructure and SGML
catalog file support
ii shared-mime-info 1.3-1 amd64 FreeDesktop.org shared MIME database and spec
ii smbclient 2:4.2.14+dfsg-0+deb8u9 amd64 command-line SMB/CIFS clients for Unix
ii snmp 5.7.2.1+dfsg-1 amd64 SNMP (Simple Network Management Protocol) applications
ii snmpd 5.7.2.1+dfsg-1 amd64 SNMP (Simple Network Management Protocol) agents
data transfer
ii socat 1.7.2.4-2 amd64 multipurpose relay for bidirectional
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ii ssl-cert 1.0.35 all simple debconf wrapper for OpenSSL
ii startpar 0.59-3 amd64 run processes in parallel and multiplex
ii strace 4.9-2 amd64 System call tracer
ii sudo 1.8.10p3-1+deb8u5 amd64 Provide limited super user privileges to specific users
ii sysfsutils 2.1.0+repack-4 amd64 sysfs query tool and boot-time setup
ii sysstat 11.0.1-1 amd64 system performance tools for Linux
ii systemd 215-17+deb8u7 amd64 system and service manager
ii systemd-sysv 215-17+deb8u7 amd64 system and service manager - SysV links
ii sysv-rc 2.88dsf-59 all System-V-like runlevel change
ii sysvinit-utils 2.88dsf-59 amd64 System-V-like utilities
ii tar 1.27.1-2+deb8u1 amd64 GNU version of the tar archiving utility
ii task-french 3.31+deb8u1 all French environment
ii task-ssh-server 3.31+deb8u1 all SSH server
ii tasksel 3.31+deb8u1 all tool for selecting tasks for installation on Debian systems
ii tasksel-data 3.31+deb8u1 all official tasks used for installation of Debian systems
ii tcpd 7.6.q-25 amd64 Wietse Venema's TCP wrapper utilities
ii tcpdump 4.9.2-1~deb8u1 amd64 command-line network traffic analyzer
ii telegraf 1.7.3-1 amd64 Plugin-driven server agent for reporting metrics into InfluxDB.
i telnet 0.17-36 amd64 The telnet client
ii texinfo 5.2.0.dfsg.1-6 amd64 Documentation system for on-line information and printed output
ii time 1.7-25 amd64 GNU time program for measuring CPU resource usage
ii timelimit 1.8-1 amd64 simple utility to limit a process’s absolute execution time
ii traceroute 1:2.0.20-2+b1 amd64 Traces the route taken by packets over an IPv4/IPv6 network
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<td>WWW browsable pager with excellent tables/frames support</td>
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<td>wamerican</td>
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</tr>
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<td>xkb-data</td>
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<td>xml proc</td>
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utilities
ii zlib1g:amd64 1.2.8.dfsg-2+b1 amd64 compression library - runtime

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* /opt/cola/permits/1000760602_1608001333.16/0/apt-727b5243e010edcf195e0100da604c34-
d4ff18e849937c1fa0a3dea448ae138455bf656-zip/727b5243e010edcf195e0100da604c34-
d4ff18e849937c1fa0a3dea448ae138455bf656/gistfile1.txt

1.4102 strongswan-charon 5.6.2-
1ubuntu2.fips.2.5.1
1.4102.1 Available under license:

Format: http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: strongswan
Upstream-Contact: http://strongswan.org/
Source: http://strongswan.org/

Files: *
Copyright: 2005-2011, Martin Willi
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Files: src/conftest/hooks/reset_seq.c
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Files: src/dumm/bridge.c
src/dumm/bridge.h
src/dumm/iface.h
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Files: src/libcharon/plugins/ext_auth/ext_auth_listener.c
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Files: src/libstrongswan/plugins/gmp/gmp_diffie_hellman.h
       src/libstrongswan/plugins/gmp/gmp_rsa_public_key.c
       src/libstrongswan/plugins/gmp/gmp_rsa_public_key.h
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src/libstrongswan/plugins/ntru/ntru_poly.c
src/libstrongswan/plugins/ntru/ntru_private_key.c
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src/libstrongswan/plugins/openssl/openssl_pkcs7.c
src/libstrongswan/plugins/openssl/openssl_pkcs7.h
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       src/libstrongswan/plugins/pkcs11/pkcs11_private_key.c
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       src/libstrongswan/tests/suites/test_asn1_parser.c
       src/libstrongswan/tests/suites/test_crypter.c
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       src/libstrongswan/tests/suites/test_mgf1.c
       src/libstrongswan/tests/suites/test_ntru.c
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       src/libstrongswan/tests/suites/test_test_rng.c
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       src/libstrongswan/tests/suites/test_bio_writer.c
       src/libstrongswan/tests/suites/test_crypto_factory.c
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       src/libstrongswan/tests/suites/test_linked_list.c
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src/libstrongswan/tests/suites/test Enumerator.c
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src/libstrongswan/utils/leak_detective.c
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src/libstrongswan/utils/lexparser.h
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Files: src/libtnccs/plugins/tnccs_11/messages/ime_inv_msg.c
src/libtnccs/plugins/tnccs_11/messages/tnccs_error_msg.c
src/libtnccs/plugins/tnccs_11/messages/tnccs_msg.c
src/libtnccs/plugins/tnccs_11/messages/tnccs_preferred_language_msg.c
src/libtnccs/plugins/tnccs_11/messages/tnccs_reason_strings_msg.c
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src/libtnccs/plugins/tnccs_20/messages/ietf/pb_experimental_msg.c
src/libtnccs/plugins/tnccs_20/messages/ietf/pb_pa_msg.h
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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`
  },
}
```
{ formatter.Context{Format: "[nil]

'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
`,
},
```

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",
            },
        }
    }
}


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",
                    },
                },
                ComponentsString: "compstring",
            },
        },
    }
}

ComponentsString: "compstring",
}
}

out := &bytes.Buffer{ }
testcase.context.Output = out
er := SubscriptionsWrite(testcase.context, subscriptions)
if err != nil {
    assert.Error(t, err, testcase.expected)
} else {
    assert.Check(t, is.Equal(testcase.expected, out.String()))
}
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\tQuantity: 10 nodes\tExpiration 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),
    },
    "ProductID":         "productid2",
    "ProductRatePlan":   "",
    "ProductRatePlanID": "",
    "State":             "",
    "Summary":           "License Name: name2\tQuantity: 20 nodes\tExpiration date: 2020-01-01",
  }
}
"ProductRatePlanID": "",
"State": "",
"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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SOFTWARE.

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{}
  licenseCtx.Header = map[string]string{
    "Num": numHeader,
    "Owner": ownerHeader,
  }
  return render(licenseCtx.Header)
}
"Name": licenseNameHeader,
"ID": idHeader,
"DockerID": dockerIDHeader,
"ProductID": productIdHeader,
"ProductRatePlan": productRatePlanHeader,
"ProductRatePlanID": productRatePlanIDHeader,
"Start": startDate,
"Expires": expirationDate,
"State": stateHeader,
"Eusa": eusaHeader,
"ComponentsString": pricingComponentsHeader,
}
return ctx.Write(&licenseCtx, render)

type licenseContext struct {
formatter.HeaderContext
trunc bool

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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package licensing

import {
    "context"
    "crypto/hmac"
    "crypto/sha256"
    "encoding/base64"
    "encoding/json"
    "fmt"
    "time"

    "github.com/docker/libtrust"
    "github.com/docker/licensing/lib/errors"
    "github.com/docker/licensing/lib/go-clientlib"
    "github.com/docker/licensing/model"
    }

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
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.Wrapf(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, 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": token})
    }

    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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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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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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The GNU Lesser GPL license applies to the main gnutls library, while the gnutls-extra library is under the GPL. The gnutls-extra library contains the code for "GnuTLS Inner Application" support and the OpenSSL compatibility layer. The gnutls library is located in the lib/ directory, while the gnutls-extra library is at libextra/.

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Version 2.1, February 1999

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This package was debianized by Ivo Timmermans <ivo@debian.org> on Fri, 3 Aug 2001 10:00:42 +0200.
It was later taken over by Matthias Urlichs <smurf@debian.org> and is now maintained by Andreas Metzler <ametzler@debian.org> Eric Dorland <eric@debian.org>, James Westby <jw+debian@jameswestby.net>

It was downloaded from ftp://ftp.gnults.org/gcrypt/gnutls/

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Comment: This code is not used on Debian/*, since we have a working
vasprintf() in glibc.

lib/extras/hex.*
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```
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```
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1.4109 slf4j-log4j 1.7.25

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Metadata-Version: 2.0
Name: mongodb-sidecar
Version: 1.7.43
Summary: MongoDB Sidecar Service (1.7.43)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: maglev-sidecar (>=1.7.0)
Requires-Dist: rsa (>=4.5)
Requires-Dist: setuptools (>=41.2.0)
Requires-Dist: setuptools-scm (>=3.4.3)
Requires-Dist: toml (>=0.10.0)
Requires-Dist: zipp (>=1.0.0)

# Sidecar for managed service
+ Requires : Python 3.5 download the dmg and install, use pyenv to create a virtual environment

Found in path(s):
* /opt/cola/permits/1176147930_1624634258.71/0/mongodb-sidecar-1.7.43-dist-info-
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1.4112 libsolv 0.7.4-3.el8

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1.4113 python-minimal 2.7.9-2+deb8u1
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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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==============

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
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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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Mersenne Twister

The `random' module includes code based on a download from
`http://www.math.keio.ac.jp/~matumoto/MT2002/emt19937ar.html'. The
following are the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
or init_by_array(init_key, key_length).

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Any feedback is very welcome.
http://www.math.keio.ac.jp/matumoto/emt.html
email: matumoto@math.keio.ac.jp

Sockets
-------

The `socket' module uses the functions, `getaddrinfo', and `getnameinfo', which are coded in separate source files from the WIDE Project, `http://www.wide.ad.jp/about/index.html'.

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UUencode and UUdecode functions
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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with python standard
XML Remote Procedure Calls

--------------------------

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    src/udev/udevadm-hwdb.c
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    src/udev/udev-builtin-net_setup_link.c
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were written by Theodore Ts'o <tytso@mit.edu> and Remy Card
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  jar/org/eclipse/jetty/server/SessionManager.java
* /opt/cola/permits/1110919408_1606872511.68/0/jetty-server-9-2-15-v20160210-sources-
  jar/org/eclipse/jetty/server/SessionIdManager.java
* /opt/cola/permits/1110919408_1606872511.68/0/jetty-server-9-2-15-v20160210-sources-
  jar/org/eclipse/jetty/server/AsyncContextEvent.java
* /opt/cola/permits/1110919408_1606872511.68/0/jetty-server-9-2-15-v20160210-sources-
  jar/org/eclipse/jetty/server/Utf8HttpWriter.java
* /opt/cola/permits/1110919408_1606872511.68/0/jetty-server-9-2-15-v20160210-sources-
  jar/org/eclipse/jetty/server/handler/HandlerWrapper.java
* /opt/cola/permits/1110919408_1606872511.68/0/jetty-server-9-2-15-v20160210-sources-
  jar/org/eclipse/jetty/server/handler/ContextHandler.java
* /opt/cola/permits/1110919408_1606872511.68/0/jetty-server-9-2-15-v20160210-sources-
  jar/org/eclipse/jetty/server/handler/IPAccessHandler.java
* /opt/cola/permits/1110919408_1606872511.68/0/jetty-server-9-2-15-v20160210-sources-
  jar/org/eclipse/jetty/server/handler/HandlerCollection.java
* /opt/cola/permits/1110919408_1606872511.68/0/jetty-server-9-2-15-v20160210-sources-
  jar/org/eclipse/jetty/server/SessionHandler.java
* /opt/cola/permits/1110919408_1606872511.68/0/jetty-server-9-2-15-v20160210-sources-
  jar/org/eclipse/jetty/server/Server.java
* /opt/cola/permits/1110919408_1606872511.68/0/jetty-server-9-2-15-v20160210-sources-
  jar/org/eclipse/jetty/server/HttpInputOverHTTP.java
* /opt/cola/permits/1110919408_1606872511.68/0/jetty-server-9-2-15-v20160210-sources-
  jar/org/eclipse/jetty/server/HttpChannel.java
* /opt/cola/permits/1110919408_1606872511.68/0/jetty-server-9-2-15-v20160210-sources-
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* /opt/cola/permits/1110919408_1606872511.68/0/jetty-server-9-2-15-v20160210-sources-
  jar/org/eclipse/jetty/server/handler/ContextHandlerCollection.java
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1.4117 faraday-net_http 1.0.1
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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)
 */
 /*
 - Unix SMB/CIFS implementation.
 + trivial database library - standalone version
 
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Theodore Ts'o
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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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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)

$(BSD_LIB): $(OBJS)
  (cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
  $(MV) pic/$(BSD_LIB) .
  $(RM) -f ../$(BSD_LIB)

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \
  $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB) \
  @-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".
This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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Gadi Oxman, August 1995

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The source code for a work means the preferred form of the work for
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<one line to give the program's name and a brief idea of what it does.>
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```
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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```
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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1.4120 logkit 1.0.1

1.4121 cookie 0.3.1

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1.4122 pip 20.1.1

1.4122.1 Available under license :

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Version 2.1, February 1999

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contextlib2 is a derivative of the contextlib module distributed by the PSF
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was added only in Python 2.5, the licenses for earlier Python versions are
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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
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releases have also been GPL-compatible; the table below summarizes
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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 the various releases.

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This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:
It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php_curl, or with an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.#

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@(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $
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6b.

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Convey the object code by offering access from a designated place
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Corresponding Source in the same way through the same place at no
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Corresponding Source along with the object code. If the place to copy
the object code is a network server, the Corresponding Source may be
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@end example

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@example
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This program comes with ABSOLUTELY NO WARRANTY; for details type @samp{show w}. This is free software, and you are welcome to redistribute it under certain conditions; type @samp{show c} for details.
@end example

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Version 2.1, February 1999

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That's all there is to it!
DRuntime: Runtime Library for the D Programming Language
========================================================================

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-- $Id: COPYING,v 1.6 2018/01/01 12:00:00 tom Exp $
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This package is used for testing builds of ncurses.

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@heading TERMS AND CONDITIONS

@enumerate 0
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DRuntime: Runtime Library for the D Programming Language

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========

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<tr>
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<tr>
<td>mach_override</td>
<td>lib/interception/mach_override</td>
</tr>
</tbody>
</table>

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Certificate data from Mozilla as of: Thu Nov  3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
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1.4136 libnss-systemd 237 3ubuntu10.44

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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.

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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 Dossor (dossier@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@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de( ?)) and Brian D. Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
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* m4/ax_func_which_gethostbyname_r.m4

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GCC RUNTIME LIBRARY EXCEPTION
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University of Illinois at Urbana-Champaign

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<tr>
<td>mach_override</td>
<td>lib/interception/mach_override</td>
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@end appendixsubsec

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-- vile: txtmode file-encoding=utf-8
**1.4146 @types/connect 3.4.33**

**1.4146.1 Available under license:**

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**1.4147 python3-prettytable 0.7.2 3**

**1.4148 python-keyring 10.1-1**

**1.4149 gobject-introspection 1.56.1-1.el8**

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```
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1.4150 init-package-json 1.10.3
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1.4159 python3-distutils 3.7.3-1

1.4159.1 Available under license:

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Found in path(s):
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.6/Lib/lib2to3/fixes/fix_standarderror.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Lib/lib2to3/fixes/fix_buffer.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Lib/lib2to3/fixes/fix_types.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.6/Lib/lib2to3/fixes/fix_map.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Lib/lib2to3/fixes/fix_map.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Lib/lib2to3/fixes/fix_dict.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.6/Lib/lib2to3/fixes/fix_filter.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Lib/lib2to3/fixes/fix_filter.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Lib/lib2to3/fixes/fix_types.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.6/Lib/lib2to3/fixes/fix_buffer.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.6/Lib/lib2to3/fixes/fix_xrange.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Lib/lib2to3/fixes/fix_standarderror.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Lib/lib2to3/fixes/fix_types.py
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```python
file.write('License: %s
' % self.get_license())
```

Found in path(s):
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3.7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.6/Lib/distutils/dist.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3.7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Lib/distutils/dist.py
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Found in path(s):
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3.7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.6/Lib/lib2to3/pgen2/tokenize.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3.7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Lib/lib2to3/pgen2/tokenize.py
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executable.

Found in path(s):
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3.7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.6/Lib/distutils/spawn.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3.7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.6/Lib/distutils/spawn.py
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# A grammar to describe tree matching patterns.
# Not shown here:
# - 'TOKEN' stands for any token (leaf node)
# - 'any' stands for any node (leaf or interior)
# With 'any' we can still specify the sub-structure.

# The start symbol is 'Matcher'.

Matcher: Alternatives ENDMARKER

Alternatives: Alternative († Alternative)*

Alternative: (Unit | NegatedUnit)+

Unit: [NAME '='] ( STRING [Repeater]

---

Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 44187
NegatedUnit: 'not' (STRING | NAME [Details] | '(' Alternatives ')')

Repeater: '*' | '+' | '{' NUMBER [',' NUMBER] '}'

Details: '< Alternatives '>'

Found in path(s):
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3.7.3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.6/Lib/lib2to3/PatternGrammar.txt
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3.7.3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Lib/lib2to3/PatternGrammar.txt

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Found in path(s):
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3.7.3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.6/Lib/lib2to3/pytree.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3.7.3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.6/Lib/lib2to3/fixes/fix_repr.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3.7.3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.6/Lib/lib2to3/pygram.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3.7.3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Lib/lib2to3/fixes/fix_print.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3.7.3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Lib/lib2to3/fixes/fix_execfile.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3.7.3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Lib/lib2to3/fixes/fix_apply.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3.7.3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Lib/lib2to3/fixer_base.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3.7.3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Lib/lib2to3/fixes/fix_execfile.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3.7.3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Lib/lib2to3/fixes/fix_print.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3.7.3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Lib/lib2to3/fixes/fix_execfile.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3.7.3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Lib/lib2to3/fixes/fix_execfile.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3.7.3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Lib/lib2to3/fixes/fix_execfile.py

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extensions-3.7.3/3.7/Lib/lib2to3/refactor.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-
extensions-3.7.3/3.6/Lib/lib2to3/fixtures/fixed_exec.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-
extensions-3.7.3/3.6/Lib/lib2to3/fixtures/fixed_apply.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-
extensions-3.7.3/3.7/Lib/lib2to3/patcomp.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-
extensions-3.7.3/3.7/Lib/lib2to3/fixes/fixed_long.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-
extensions-3.7.3/3.7/Lib/lib2to3/fixes/fixed_ne.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-
extensions-3.7.3/3.7/Lib/lib2to3/pytree.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-
extensions-3.7.3/3.6/Lib/lib2to3/refactor.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-
extensions-3.7.3/3.7/Lib/lib2to3/fixtures/fixed_has_key.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-
extensions-3.7.3/3.6/Lib/lib2to3/fixtures/fixed_ne.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-
extensions-3.7.3/3.6/Lib/lib2to3/fixtures/fixed_base.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-
extensions-3.7.3/3.6/Lib/lib2to3/tests/test_pytree.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-
extensions-3.7.3/3.6/Lib/lib2to3/tests/test_pytree.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-
extensions-3.7.3/3.6/Lib/lib2to3/fixtures/fixed_key.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-
extensions-3.7.3/3.6/Lib/lib2to3/fixtures/fixed_repr.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-
extensions-3.7.3/3.6/Lib/lib2to3/fixtures/fixed_exec.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-
extensions-3.7.3/3.6/Lib/lib2to3/tests/pytree_idempotency.py
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extensions-3.7.3/3.6/Lib/lib2to3/pgen2/__init__.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-
extensions-3.7.3/3.6/Lib/lib2to3/pgen2/pgen2/__init__.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-
extensions-3.7.3/3.6/Lib/lib2to3/pgen2/pgen2/pgen2.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-
extensions-3.7.3/3.6/Lib/lib2to3/pgen2/pgen2/parse.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-
extensions-3.7.3/3.6/Lib/lib2to3/pgen2/pgen2/grammar.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-
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* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.6/Lib/lib2to3/pgen2/literals.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Lib/lib2to3/pgen2/conv.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Lib/lib2to3/pgen2/literals.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Lib/lib2to3/pgen2/grammar.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Lib/lib2to3/pgen2/literals.py

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* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Lib/distutils/cygwinccompiler.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Lib/distutils/command/bdist_wininst.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Lib/distutils/command/bdist_wininst.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Lib/distutils/command/bdist_msi.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.6/Lib/distutils/command/bdist_msi.py

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  extensions-3.7.3/3.7/Modules/_tkinter.c
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-
  extensions-3.7.3/3.6/Modules/_tkinter.c

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('binary-only', None,
"cannot supply both '--source-only' and '--binary-only'")
'Licence: ' + self.distribution.get_license(),

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  extensions-3.7.3/3.6/Lib/distutils/command/bdist_rpm.py
* /opt/cola/permits/1127087901_1611776830.58/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-
  extensions-3.7.3/3.7/Lib/distutils/command/bdist_rpm.py

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The snowball stemmers in
analysis/common/src/java/net/sf/snowball
were developed by Martin Porter and Richard Boulton.
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analysis/common/src/resources/org/apache/lucene/analysis/snowball
were developed by Martin Porter and Richard Boulton.
The full snowball package is available from
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The KStem stemmer in
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analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt,
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

The German, Spanish, Finnish, French, Hungarian, Italian, Portuguese, Russian and Swedish light stemmers
(common) are based on BSD-licensed reference implementations created by Jacques Savoy and
Ljiljana Dolamic. These files reside in:
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
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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and Edmond Nolan.

The Polish analyzer (stempel) comes with a default
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===========================================================================
Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
===========================================================================

This software includes a binary and/or source version of data from

mecab-ipadic-2.7.0-20070801

which can be obtained from

http://atilika.com/releases/mecab-ipadic/mecab-ipadic-2.7.0-20070801.tar.gz

or

http://jaist.dl.sourceforge.net/project/mecab/mecab-ipadic/2.7.0-20070801/mecab-ipadic-2.7.0-20070801.tar.gz

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**1.4164 jersey-server 2.19**

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Julian Seward, jseward@bzip.org
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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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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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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.

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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.

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The precise terms and conditions for copying, distribution and modification follow.

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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.

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@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.
@end item

@item
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@item
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@item
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@item
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========

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kproplog.c

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lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
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1.4181 object-inspect 1.10.3

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100dpi-lutRS08-IL2.bdf 100dpi-lutRS14-IL2.bdf 100dpi-lutRS14.bdf
100dpi-lutRS19-IL2.bdf 75dpi-lutBS12.bdf 75dpi-lutBS12c.bdf
75dpi-lutBS12-IL2.bdf 75dpi-lutBS14.bdf 75dpi-lutBS14c.bdf
75dpi-lutBS14-IL2.bdf 75dpi-lutRS12.bdf 75dpi-lutRS12c.bdf
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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 the various releases.

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This package was debianized by Akira TAGOH <tagoh@debian.org> on
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It was downloaded from <https://download.gnome.org/sources/glib/>.

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* Frodo Looijaard
Original author of libsensors, sensors-detect, sensors and isadump.
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Dynamic chip feature detection (a.k.a. generic chip support) in libsensors and sensors.
* Mark M. Hoffman
Many improvements to the libsensors configuration file scanner.
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New libsensors API, and migration of sensors and sensord thereto.
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Support for multiple configuration files in libsensors.

1.4204 libyaml 0.1.7-2
1.4204.1 Available under license:

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1.4206 spring-boot-starter-web

1.4.3.RELEASE

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1.4207 libxmlsec 1.2.20 2ubuntu4

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http://www.aleksey.com/pipermail/xmlsec/attachments/20030729/0e25648e/attachment.htm

* Cordys R&D BV

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1.4208 libiscccc 1:9.10.3.dfsg.P4 8ubuntu1.19

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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1.4210 python-requests 2.25.1

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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1.4246 libcom-err 1.44.6-3.el8

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--- tdba.orig/tdb.c
+++ tdba/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 - private includes

- trivial database library - standalone version

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Theodore Ts'o
23-June-2007

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Because of this blurred distinction, using the ordinary General
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<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice

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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DAMAGE.
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 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

cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$BSDLIB_LIB
$(RM) -f ../$(BSD_LIB)

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSLIB_LIB)
$(RM) -f ../$(BSD_LIB)
This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of: tso-11.mit.edu:/pub/linux/packages/ext2fs/

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Gadi Oxman, August 1995

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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
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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="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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  License, v. 2.0. If a copy of the MPL was not distributed with this
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 </xsl:variable>

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1.4250 reduce-reducers 0.1.2

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1.4257 component-bind 1.0.0

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1.4258 source-map-support 0.5.19

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1.4259 locator-core 0.27

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1.4260 babel-plugin-syntax-async-functions

6.13.0

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1.4261 is-hexadecimal 1.0.1

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1.4262 pem 1.14.4

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1.4263 python 2.7.9-1

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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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</table>

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dh_python2, pycompile, pyclean and debpython module:
=====================================================

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node-bindings
===============
### Helper module for loading your native module's .node file

This is a helper module for authors of Node.js native addon modules.
It is basically the "swiss army knife" of `require()`ing your native module's `.node` file.

Throughout the course of Node.js native addon history, addons have ended up being compiled in a variety of different places, depending on which build tool and which version of node was used. To make matters worse, now the _gyp_ build tool can produce either a _Release_ or _Debug_ build, each being built into different locations.

This module checks _all_ the possible locations that a native addon would be built at, and returns the first one that loads successfully.

Installation
-------------

Install with `npm`:
```
```
bash
$ npm install bindings
```

Or add it to the "dependencies" section of your _package.json_ file.

Example
-------
`require()`ing the proper bindings file for the current node version, platform and architecture is as simple as:

```js
var bindings = require('bindings')('binding.node')

// Use your bindings defined in your C files
bindings.your_c_function()
```

Nice Error Output
-----------------

When the `.node` file could not be loaded, `node-bindings` throws an Error with a nice error message telling you exactly what was tried. You can also check the `err.tries` Array property.

```javascript
Error: Could not load the bindings file. Tried:
/Users/nrajlich/ref/build/binding.node
/Users/nrajlich/ref/build/Debug/binding.node
/Users/nrajlich/ref/build/Release/binding.node
/Users/nrajlich/ref/out/Debug/binding.node
/Users/nrajlich/ref/Debug/binding.node
/Users/nrajlich/ref/out/Release/binding.node
/Users/nrajlich/ref/Release/binding.node
/Users/nrajlich/ref/build/default/binding.node
/Users/nrajlich/ref/compiled/0.8.2/darwin/x64/binding.node
 at bindings (/Users/nrajlich/ref/node_modules/bindings/bindings.js:84:13)
 at Object.<anonymous> (/Users/nrajlich/ref/lib/ref.js:5:47)
 at Module._compile (module.js:449:26)
 at Object.Module._extensions..js (module.js:467:10)
 at Module.load (module.js:356:32)
 at Function.Module._load (module.js:312:12)
...
```

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* /opt/cola/permits/1112921116_1607362434.89/0/bindings-1-2-1-2-tgz/package/README.md

1.4265 libgmp 2:6.1.2+dfsg-4

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This gmp package was built for Debian by

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1.4267 fluent-plugin-kubernetes-metadata-filter 2.4.2
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Here is a list of the main contributors to lm-sensors version 3.

* Frodo Looijaard
  Original author of libsensors, sensors-detect, sensors and isadump.
* Merlin Hughes
  Original author of sensord.
* Bob Schlaermann
  Dynamic chip feature detection (a.k.a. generic chip support) in libsensors and sensors.
* Mark M. Hoffman
  Many improvements to the libsensors configuration file scanner.
* Jean Delvare
  New libsensors API, and migration of sensors and sensord thereto.
  Many optimizations in libsensors and sensors.
  Configuration file converter.
  Rewrite of sensors-detect.
  Support for multiple configuration files in libsensors.

1.4274 libnss 2:3.35-2ubuntu2.12

1.4274.1 Available under license:

This package was debianized by Mike Hommey <glandium@debian.org> on Sun, 25 Mar 2007 19:36:42 +0200.

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1.4277 rimraf 2.4.3

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1.4279 netcat-traditional 1.10 41

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1.4280 libpython-minimal 3.5.2

2ubuntu0~16.04.1
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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.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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Mersenne Twister
--------------

The '_random' module includes code based on a download from `http://www.math.keio.ac.jp/~matumoto/MT2002/emt19937ar.html`. The following are the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
or init_by_array(init_key, key_length).

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Any feedback is very welcome.
http://www.math.keio.ac.jp/matumoto/emt.html
email: matumoto@math.keio.ac.jp

Sockets
-------

The `socket' module uses the functions, `getaddrinfo', and `getnameinfo', which are coded in separate source files from the WIDE Project, `http://www.wide.ad.jp/about/index.html'.

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 */

pkgname=perl-software-license
_pkgreal=Software-License
pkgver=0.103004
pkgrel=0
pkgdesc="packages that provide templated software licenses"
url="http://search.cpan.org/dist/Software-License/"
arch="noarch"
license="GPL PerlArtistic"
cpandepends="perl-text-template perl-data-section perl-sub-install"
cpanmakedepends=""
depends="cpandepends"
makedepends="perl-dev cpanmakedepends"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/R/RJ/RJBS/$_pkgreal-$pkgver.tar.gz"

_builddir="$srcdir/$_pkgreal-$pkgver"

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 && make test
}

package() {
  cd "$_builddir"
  make DESTDIR="$pkgdir" install || return 1
  find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}

md5sums="0c5fd53d93818566234578b27d667b35  Software-License-0.103004.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"
license="LGPL"
depends=
makedepends=
subpackages="$pkgname-dev"

_basename="$srcdir"/libart_lgpl-$pkgver

prepare() {
    cd "$basename"
    update_config_sub || return 1
}

build() {
    cd "$basename"
    ./configure \\--build=$CBUILD\\
    --host=$CHOST\\
    --prefix=/usr\\
    make \|| return 1
    make \|| return 1
}

package() {
    cd "$basename"
    make DESTDIR="$pkgdir" install \| return 1
rm "$pkgdir"/usr/lib/*.la
}

md5sums="08559ff3c67fd95d57b0c5e91a6b4302 libart_lgpl-2.3.21.tar.bz2"

1.4283 asm-analysis 5.0.3

1.4284 libaudit 1:2.4.5 1ubuntu2

1.4284.1 Available under license:
This package was debianized by Philipp Matthias Hahn <pmhahn@debian.org> on Wed, 21 Mar 2007 09:47:19 +0100.

It was downloaded from http://people.redhat.com/sgrubb/audit/

Upstream Author: Rik Faith
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1.4285 bigdecimal 1.4.4

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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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* of MySpell back into a single tree. David has been
* a significant help in improving MySpell.
*
* Special thanks also go to La'szlo' Ne'meth
* <nemethl@gyorsposta.hu> who is the author of the
* Hungarian dictionary and who developed and contributed
* the code to support compound words in MySpell
* and fixed numerous problems with the encoding
* case conversion tables.
*
*/

BaKoMa Fonts for LyX-Win

=====================================

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The fonts included in this package are intended for the
Windows Version of LyX.

The purpose is to solve some problems with the display of
math symbols that appear with the latex-XFT fonts.

The fonts included in this package are taken from

http://www.ctan.org/tex-archive/fonts/cm/ps-type1/bakoma/ttf/

and have been modified for use with LyX.
The changes made are simple remappings of glyphs. These mappings
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code means all the source code for all modules it contains, plus any
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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"
@mknod -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) $(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)
This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

It is part of the main e2fsprogs distribution, which can be found at:

http://sourceforge.net/projects/e2fsprogs

Upstream Author: Theodore Ts'o <tytso@mit.edu>

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/*

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*/
Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/*
/*- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
- Copyright (C) Andrew Tridgell              2005
+ Copyright (C) Andrew Tridgell              1999-2005
+ Copyright (C) Jeremy Allison               2000-2006
+ Copyright (C) Paul 'Rusty' Russell         2000

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** library. This does NOT imply that all of Samba is released
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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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 Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".
This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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package are flexible, if you give me enough lead time.

Theodore Ts'o
23-June-2007

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That's all there is to it!
#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB-pic_FLAG = -fpic

image::$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB) \@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
clean:
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

This is the Debian GNU/Linux prepackaged version of the EXT2 file
system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were
written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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Gadi Oxman, August 1995

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javax.servlet:javax.servlet-api
javax.servlet.jsp:javax.servlet.jsp-api

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org.apache.taglibs:taglibs-standard-spec
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org.apache.tomcat:tomcat-jasper
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org.apache.tomcat:tomcat-jsp-api
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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.eclipse.jetty.toolchain:jetty-schemas

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== Contributors ==
* Tatu Saloranta
  * Providing benchmark suite
* Alec Wysoker
  * Performance and memory usage improvement
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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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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-compiler support, and one bug in...
relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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A "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.

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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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   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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   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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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
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:

distribute the source code, even though third parties are not compelled to copy the source along with the object code.
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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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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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
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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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.

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   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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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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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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That's all there is to it!
This is the Debian GNU/Linux prepackaged version of the GNU assembler, linker, and binary utilities.

This package was put together by me, James Troup <james@nocrew.org>, from sources, which I obtained from:


and:

cvs://:pserver:anoncvs@sources.redhat.com:/cvs/src

It was previously maintained by Christopher C. Chimelis <chris@debian.org>


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1.4312 libglibdata 2.50.3-2+deb9u2
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1.4313 hoek 5.0.4

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1.4314 python-cycler 0.10.0-1

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1.4316 npm-packlist 1.4.7

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1.4317 semver-diff 2.1.0

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1.4318 libiptc0 1.6.1 2ubuntu2

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Metadata-Version: 2.0
Name: maglev-common
Version: 1.7.22
Summary: Maglev Common (1.7.22)
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+ Requires: Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

Found in path(s):

* /opt/cola/permits/1175835365_1624504679.91/0/maglev-common-1.7.22-dist-info-
zip/inputdir/packages_extracted/targz/1/packages_extracted/1/packages_extracted/1/packages_extracted/11/maglev_common-1.7.22.dist-info/METADATA

## 1.4339 mini-css-extract-plugin 0.4.4

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1.4341 g++ 4:8.3.0-1

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1.4342 webjars-locator-core 0.27
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          </manifestEntries>
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1.4349 ipvsadm 1.31-r0

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ipvsadm - Version 1.14 - 11th January 2001

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ipvsadm is a utility to administer the IP virtual server services
offered by the Linux kernel with IP virtual server support.

This version of ipvsadm requires IPVS module v0.0.5 for kernel 2.4 or
later. Check out the Linux Virtual Server Project home page on the
World Wide Web:
http://www.LinuxVirtualServer.org/
or
http://www.Linux-VS.org/
for the most recent information and original sources about ipvsadm.

To make, make sure your Linux kernel is already patched with IPVS and
"make menuconfig" or "make xconfig" to setup the right compiling options,
see the README of the virtual server patch for detail, then simply type
make
in the source directory.

Install to your liking. We suggest the following pathnames:
/bin/ipvsadm
/usr/man/man8/ipvsadm.8
This will be done automatically when calling
make install
in the source directory.

Wensong Zhang <wensong@linuxvirtualserver.org>

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src/udev/net/link-config.c
src/udev/net/ethtool-util.c
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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

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* atf-c/ui.c: The format_paragraph and format_text functions were derived form the ones in the Monotone project, revision 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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## The Unicode Standard, Unicode Character Database, Version 10.0.0

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**include/GL/gl.h :**

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include/GL/glxext.h
include/GL/wglxext.h :

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package gnu.classpath.tools.taglets;

import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.tools.doclets.Taglet;

import com.sun.javadoc.Tag;

/**
   * A simple Taglet which handles Copyright information.
   */

public class CopyrightTaglet implements Taglet {

    private static final String NAME = "copyright";
    private static final String HEADER = "Copyright:"

    public String getName() {
        return NAME;
    }
}
public boolean inField() {
    return true;
}

public boolean inConstructor() {
    return true;
}

public boolean inMethod() {
    return true;
}

public boolean inOverview() {
    return true;
}

public boolean inPackage() {
    return true;
}

public boolean inType() {
    return true;
}

public boolean isInlineTag() {
    return false;
}

public static void register(Map tagletMap) {
    CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
    tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
}

public String toString(Tag tag) {
    return toString(new Tag[] { tag });
}

public String toString(Tag[] tags) {
    if (tags.length == 0) {
        return null;
    } else {
        boolean haveValidTag = false;
        for (int i = 0; i < tags.length && !haveValidTag; ++i) {
            if (tags[i].text().length() > 0) {
                haveValidTag = true;
            }
        }
        if (haveValidTag) {
            return toString(tags);
        } else {
            return null;
        }
    }
}

public String toString(Tag[] tags) {
    if (tags.length == 0) {
        return null;
    } else {
        boolean haveValidTag = false;
        for (int i = 0; i < tags.length && !haveValidTag; ++i) {
            if (tags[i].text().length() > 0) {
                haveValidTag = true;
            }
        }
        if (haveValidTag) {
            return toString(tags);
        } else {
            return null;
        }
    }
}
if (haveValidTag) {
    StringBuffer result = new StringBuffer();
    result.append("<dl>");
    for (int i = 0; i < tags.length; i++) {
        if (tags[i].text().length() > 0) {
            result.append("<dt><i>Copyright © " + tags[i].text() + "</i></dt>");
        }
    }
    result.append("</dl>");
    return result.toString();
} else {
    return null;
}
}

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// DO NOT EDIT THIS FILE - it is machine generated -*-* c++ -*-*

#ifndef __java_security_Permission__
define __java_security_Permission__

#pragma interface

#include <java/lang/Object.h>
extern "Java"
{
namespace java
{
namespace security
{
class Permission;
class PermissionCollection;
}
}
}

class java::security::Permission : public ::java::lang::Object
{
public:
Permission(::java::lang::String *);
virtual void checkGuard(::java::lang::Object *);
virtual jboolean implies(::java::security::Permission *) = 0;
virtual jboolean equals(::java::lang::Object *) = 0;
virtual jint hashCode() = 0;
virtual ::java::lang::String * getName();
virtual ::java::lang::String * getActions() = 0;
virtual ::java::security::PermissionCollection * newPermissionCollection();
virtual ::java::lang::String * toString();
private:
static const jlong serialVersionUID = -563657022231596674LL;
::java::lang::String * __attribute__((aligned(__alignof__(::java::lang::Object)))) name;
public:
static ::java::lang::Class class$;
};

#endif // __java_security_Permission__
@ignore
@c Set file name and title for man page.
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/* Permission.java -- The superclass for all permission objects

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package java.security;

import gnu.java.lang.CPStringBuilder;

import java.io.Serializable;

/**
 * This class is the abstract superclass of all classes that implement
 * the concept of a permission. A permission consists of a permission name
 * and optionally a list of actions that relate to the permission. The
 * actual meaning of the name of the permission is defined only in the
 * context of a subclass. It may name a resource to which access permissions
 * are granted (for example, the name of a file) or it might represent
 * something else entirely. Similarly, the action list only has meaning
 * within the context of a subclass. Some permission names may have no
 * actions associated with them. That is, you either have the permission
 * or you don't.
 * *
 * <p>The most important method in this class is <code>implies</code>. This
 * checks whether if one has this permission, then the specified
 * permission is also implied. As a conceptual example, consider the
* permissions "Read All Files" and "Read File foo". The permission
* "Read All Files" implies that the caller has permission to read the
* file foo.
*
* `<p>`<code>Permission</code>'s must be immutable - do not change their
* state after creation.
*
* @author Aaron M. Renn (arenn@urbanophile.com)
* @see Permissions
* @see PermissionCollection
* @since 1.1
* @status updated to 1.4
*/
public abstract class Permission implements Guard, Serializable
{
/**
 * Compatible with JDK 1.1+.
 */
private static final long serialVersionUID = -5636570222231596674L;

/**
 * This is the name assigned to this permission object.
 *
 * @serial the name of the permission
 */
private String name;

/**
 * Create an instance with the specified name.
 *
 * @param name the permission name
 */
public Permission(String name)
{
    this.name = name;
}

/**
 * This method implements the <code>Guard</code> interface for this class.
 * It calls the <code>checkPermission</code> method in
 * <code>SecurityManager</code> with this <code>Permission</code> as its
 * argument. This method returns silently if the security check succeeds
 * or throws an exception if it fails.
 *
 * @param obj the <code>Object</code> being guarded - ignored by this class
 * @throws SecurityException if the security check fails
 * @see GuardedObject
 * @see SecurityManager#checkPermission(Permission)
public void checkGuard(Object obj)
{
    SecurityManager sm = System.getSecurityManager();
    if (sm != null)
        sm.checkPermission(this);
}

/**
 * This method tests whether this <code>Permission</code> implies that the
 * specified <code>Permission</code> is also granted.
 * @param perm the <code>Permission</code> to test against
 * @return true if perm is implied by this
 */
public abstract boolean implies(Permission perm);

/**
 * Check to see if this object equals obj. Use <code>implies</code>, rather
 * than <code>equals</code>, when making access control decisions.
 * @param obj the object to compare to
 * @return a hash value
 */
public abstract boolean equals(Object obj);

/**
 * This method returns a hash code for this <code>Permission</code>. It
 * must satisfy the contract of <code>Object.hashCode</code>: it must be
 * the same for all objects that equals considers to be the same.
 * @return a hash value
 */
public abstract int hashCode();

/**
 * Get the name of this <code>Permission</code>.
 * @return the name
 */
public final String getName()
{
    return name;
}

/**
 * This method returns the list of actions for this <code>Permission</code>
 * as a <code>String</code>. The string should be in canonical order, for
 * example, both <code>new FilePermission(f, "write,read")</code> and
* `<code>new FilePermission(f, "read,write")</code>` have the action list
* "read,write".
*
* @return the action list for this `<code>Permission</code>`
*/
public abstract String getActions();

/**
 * This method returns an empty `<code>PermissionCollection</code>` object
 * that can store permissions of this type, or `<code>null</code>` if no
 * such collection is defined. Subclasses must override this to provide
 * an appropriate collection when one is needed to accurately calculate
 * `<code>implies</code>`.
 * 
 * @return a new `<code>PermissionCollection</code>`
 */
public PermissionCollection newPermissionCollection()
{
    return null;
}

/**
 * This method returns a `<code>String</code>` representation of this
 * `<code>Permission</code>` object. This is in the format:
 * `<code>'( + getClass().getName() + ' ' + getName() + ' ' + getActions
 * + ' )'</code>`.
 * 
 * @return this object as a `<code>String</code>`
 */
public String toString()
{
    CPStringBuilder string = new CPStringBuilder();

    string = string.append('(');
    string = string.append(getClass().getName());
    string = string.append(' ');
    string = string.append(getName());
    if (!(getActions().equals("")))
    {
        string = string.append(' ');
        string = string.append(getActions());
    }
    string = string.append(')');
    return string.toString();
}
} // class Permission
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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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<?dbhtml filename="appendix_gpl.html"?>

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</para>

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The source code for a work means the preferred form of the work for making modifications to it. Object code means any non-source form of a work.

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 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.
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 <para>
 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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 <para>
 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.

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</orderedlist>
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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Product (for example, the work has been installed in <acronym>ROM</acronym>).

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```
program Copyright (C) year name of author
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This is free software, and you are welcome to redistribute it under certain conditions; type show c for details.
```

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```
#!/usr/bin/python
#
# Copyright (C) 2013 Free Software Foundation, Inc.
```
This script is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 3, or (at your option)
any later version.

This script adjusts the copyright notices at the top of source files
so that they have the form:

Copyright XXXX-YYYY Free Software Foundation, Inc.

It doesn't change code that is known to be maintained elsewhere or
that carries a non-FSF copyright.

The script also doesn't change testsuite files, except those in
libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
while most tests in other directories are just things that failed at some
point in the past.

Pass --this-year to the script if you want it to add the current year
to all applicable notices. Pass --quilt if you are using quilt and
want files to be added to the quilt before being changed.

By default the script will update all directories for which the
output has been vetted. You can instead pass the names of individual
directories, including those that haven't been approved. So:

# update-copyright.pl --this-year

is the command that would be used at the beginning of a year to update
all copyright notices (and possibly at other times to check whether
new files have been added with old years). On the other hand:

# update-copyright.pl --this-year libjava

would run the script on just libjava/.

Note that things like --version output strings must be updated before
this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__(self):
self.num_errors = 0

def report (self, filename, string):
    if filename:
        string = filename + ':' + string
    sys.stderr.write (string + '\n')
    self.num_errors += 1

def ok (self):
    return self.num_errors == 0

class GenericFilter:
    def __init__ (self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set ("
        # Skip licence files.
        'COPYING',
        'COPYING.LIB',
        'COPYING3',
        'COPYING3.LIB',
        'LICENSE',
        'fsl.texi',
        'gpl_v3.texi',
        'fsl-1.3.xml',
        'gpl-3.0.xml',

        # Skip auto- and libtool-related files
        'aclocal.m4',
        'compile',
        'config.guess',
        'config.sub',
        'depcomp',
        'install-sh',
        'libtool.m4',
        'ltmain.sh',
        'ltobsolete.m4',
        'missing',
        'mkdep',
        'mkinstalldirs',
        'move-if-change',"
def get_line_filter(self, dir, filename):
    if filename.startswith('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile('	')
    return None

def skip_file(self, dir, filename):
    if filename in self.skip_files:
        return True
    (base, extension) = os.path.splitext(os.path.join(dir, filename))
    if extension in self.skip_extensions:
        return True
    if extension == '.in':  # Skip .in files produced by automake.
        if os.path.exists(base + '.am'):
            return True
    # Skip files produced by autogen
    if (os.path.exists(base + '.def')
        and os.path.exists(base + '.tpl')):
        return True
    # Skip configure files produced by autoconf
    if filename == 'configure':  
        if os.path.exists(base + '.ac'):
            return True
        if os.path.exists(base + '.in'):
            return True
    return False
def skip_dir (self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file (self, dir, filename):
    if filename in self.fossilised_files:
        return True

    # Only touch current ChangeLogs.
    if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
        return True
    return False

def by_package_author (self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__ (self, errors):
        self.errors = errors

        # Characters in a range of years. Include '.' for typos.
        ranges = '[0-9](?:[-0-9,.\s]+and\s+)*[0-9]'

        # Non-whitespace characters in a copyright holder's name.
        name = '[\w-.]+'

        # Matches one year.
        self.year_re = re.compile ('[0-9]+')

        # Matches part of a year or copyright holder.
        self.continuation_re = re.compile (ranges + '|' + name)

        # Matches a full copyright notice:
        self.copyright_re = re.compile (r'
        # 1: 'Copyright (C)', etc.
        [Cc]opyright
        [Cc]opyright\s+\([Cc]\)
        [Cc]opyright\s+%s
        [Cc]opyright\s+copy;
        [Cc]opyright\s+@copyright{}
        [copyright = ul"
        [copyright = ul"
        [copyright = ul"
        [copyright = ul"

        # 2: the years. Include the whitespace in the year, so that
        # we can remove any excess.
        \s*\(?:.+ ranges +\s+.?
        \@value\{[^{}]*\})s*'

        # 3: 'by ', if used
        (by\s+)?
# 4: the copyright holder. Don't allow multiple consecutive
# spaces, so that right-margin gloss doesn't get caught
# (e.g. gnat_ugn.texi).
#(' + name + '(?\s?' + name + '+\))?)'

# A regexp for notices that might have slipped by. Just matching
# 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
# HTML header markers, so check for 'copyright' and two digits.
self.other_copyright_re = re.compile('copyright.*[0-9][0-9]',
    re.IGNORECASE)

self.comment_re = re.compile('#+|[*][*]|;+|%+|//+|@c |dnl ')  

self.holders = { '@copying': '@copying' }
self.holder_prefixes = set()

# True to 'quilt add' files before changing them.
self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s). Could be ',', '.
self.separator = ''

def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find (' ')
    while index >= 0:
        self.holder_prefixes.add (holder[:index])
        index = holder.find (' ', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__ (self, year):
        self.year = year

    def __str__ (self):
        return 'unrecognised year: ' + self.year

    def parse_year (self, string):
        year = int (string)
        if len (string) == 2:
            if year > 70:
                return year + 1900
elif len(string) == 4:
    return year
raise self.BadYear(string)

def year_range(self, years):
    year_list = [self.parse_year(year)
                 for year in self.year_re.findall(years)]
    assert len(year_list) > 0
    return (min(year_list), max(year_list))

def set_use_quilt(self, use_quilt):
    self.use_quilt = use_quilt

def include_year(self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years(self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith('@value'):
        return years

    (min_year, max_year) = self.year_range(years)

    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file(dir, filename):
        max_year = max(max_year, self.max_year)

    # Use a range.
    if min_year == max_year:
        return '%d' % min_year
    else:
        return '%d-%d' % (min_year, max_year)

def strip_continuation(self, line):
    line = line.lstrip()
    match = self.comment_re.match(line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete(self, match):
    holder = match.group(4)
    return (holder and
            (holder not in self.holder_prefixes
             or holder in self.holders))

def update_copyright(self, dir, filename, filter, file, line, match):
orig_line = line
next_line = None
pathname = os.path.join (dir, filename)
intro = match.group (1)
if intro.startswith ('@set'):
# Texinfo year variables should always be on one line
after_years = line[match.end (2):].strip()
if after_years != '':
self.errors.report (pathname,
'trailing characters in @set: '
+ after_years)
return (False, orig_line, next_line)
else:
# If it looks like the copyright is incomplete, add the next line.
while not self.is_complete (match):
try:
next_line = file.next()
except StopIteration:
break
# If the next line doesn't look like a proper continuation,
# assume that what we've got is complete.
continuation = self.strip_continuation (next_line)
if not self.continuation_re.match (continuation):
break
# Merge the lines for matching purposes.
orig_line += next_line
line = line.rstrip() + ' ' + continuation
next_line = None
# Rematch with the longer line, at the original position.
match = self.copyright_re.match (line, match.start())
assert match
holder = match.group (4)
# Use the filter to test cases where markup is getting in the way.
if filter.by_package_author (dir, filename):
assert holder not in self.holders
elif not holder:
self.errors.report (pathname, 'missing copyright holder')
return (False, orig_line, next_line)
elif holder not in self.holders:
self.errors.report (pathname,

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else:
    # See whether the copyright is associated with the package
    # author.
    canon_form = self.holders[holder]
    if not canon_form:
        return (False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
    line = (line[:match.start (4)]
            + canon_form
            + line[match.end (4):])

    # Remove any 'by'
    line = line[:match.start (3)] + line[match.end (3):]

    # Update the copyright years.
    years = match.group (2).strip()
    try:
        canon_form = self.canonicalise_years (dir, filename, filter, years)
    except self.BadYear as e:
        self.errors.report (pathname, str (e))
    return (False, orig_line, next_line)

    line = (line[:match.start (2)]
            + ('' if intro.startswith ('copyright = ') else ' ')
            + canon_form + self.separator
            + line[match.end (2):])

    # Use the standard (C) form.
    if intro.endswith ('right'):
        intro += ' (C)'
    elif intro.endswith ('c)'):  
        intro = intro[:-3] + '(C)'
    line = line[:match.start (1)] + intro + line[match.end (1):]

    # Strip trailing whitespace
    line = line.rstrip() + '\n'

    return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
os.remove (pathname)
except OSError:
    pass
return

lines = []
changed = False
line_filter = filter.get_line_filter (dir, filename)
with open (pathname, 'r') as file:

    prev = None
    for line in file:
        next_line = None
        # Leave filtered-out lines alone.
        if not (line_filter and line_filter.match (line)):
            match = self.copyright_re.search (line)
            if match:
                res = self.update_copyright (dir, filename, filter,
                                            file, line, match)
                (this_changed, line, next_line) = res
                changed = changed or this_changed

        # Check for copyright lines that might have slipped by.
        elif self.other_copyright_re.search (line):
            self.errors.report (pathname,
                                'unrecognised copyright: %s'
                                % line.strip())
            lines.append (line)

        line = next_line

    # If something changed, write the new file out.
    if changed and self.errors.ok():
        tmp_pathname = pathname + '.tmp'
        with open (tmp_pathname, 'w') as file:
            for line in lines:
                file.write (line)
            if self.use_quilt:
                subprocess.call (["quilt", 'add', pathname])
        os.rename (tmp_pathname, pathname)

def process_tree (self, tree, filter):
    for (dir, subdirs, filenames) in os.walk (tree):
        # Don't recurse through directories that should be skipped.
        for i in xrange (len (subdirs) - 1, -1, -1):
            if filter.skip_dir (dir, subdirs[i]):
                del subdirs[i]

        # Handle the files in this directory.
for filename in filenames:
    if filter.skip_file (dir, filename):
        sys.stdout.write ('Skipping %s
' % os.path.join (dir, filename))
    else:
        self.process_file (dir, filename, filter)

class CmdLine:
    def __init__ (self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright (self.errors)
        self.dirs = []
        self.default_dirs = []
        self.chosen_dirs = []
        self.option_handlers = dict()
        self.option_help = []

        self.add_option ('--help', 'Print this help', self.o_help)
        self.add_option ('--quilt', '"quilt add" files before changing them',
                        self.o_quilt)
        self.add_option ('--this-year', 'Add the current year to every notice',
                        self.o_this_year)

    def add_option (self, name, help, handler):
        self.option_help.append ((name, help))
        self.option_handlers[name] = handler

    def add_dir (self, dir, filter = GenericFilter()):
        self.dirs.append ((dir, filter))

    def o_help (self, option = None):
        sys.stdout.write ('Usage: %s [options] dir1 dir2...

        Options:
' % sys.argv[0])
        format = '%-15s %s
'
        for (what, help) in self.option_help:
            sys.stdout.write (format % (what, help))
        sys.stdout.write ('
Directories:
')
        format = '%-25s'
        i = 0
        for (dir, filter) in self.dirs:
            i += 1
            if i % 3 == 0 or i == len (self.dirs):
                sys.stdout.write (dir + '\n')
            else:
                sys.stdout.write (format % dir)
        sys.exit (0)
def o_quilt (self, option):
    self.copyright.set_use_quilt (True)

def o_this_year (self, option):
    self.copyright.include_year (time.localtime().tm_year)

def main (self):
    for arg in sys.argv[1:]:
        if arg[1] != '-':
            self.chosen_dirs.append (arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg] (arg)
        else:
            self.errors.report (None, 'unrecognised option: ' + arg)
        if self.errors.ok():
            if len (self.chosen_dirs) == 0:
                self.chosen_dirs = self.default_dirs
            if len (self.chosen_dirs) == 0:
                self.o_help()
            else:
                for chosen_dir in self.chosen_dirs:
                    canon_dir = os.path.join (chosen_dir, '')
                    count = 0
                    for (dir, filter) in self.dirs:
                        if (dir + os.sep).startswith (canon_dir):
                            count += 1
                            self.copyright.process_tree (dir, filter)
                    if count == 0:
                        self.errors.report (None, 'unrecognised directory: ' +
                            chosen_dir)
                sys.exit (0 if self.errors.ok() else 1)

#----------------------------------------------------------------------------
class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True

class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    def skip_file (self, dir, filename):
        if filename.endswith ('.m4'):
            pathname = os.path.join (dir, filename)
            with open (pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find ('gettext-') >= 0:
return True
return GenericFilter.skip_file(self, dir, filename)

class GCCFilter(GenericFilter):
def __init__(self):
    GenericFilter.__init__(self)

    self.skip_files |= set([
        # Not part of GCC
        'math-68881.h',
    ])

    self.skip_dirs |= set([
        # Better not create a merge nightmare for the GNAT folks.
        'ada',

        # Handled separately.
        'testsuite',
    ])

    self.skip_extensions |= set([
        # Maintained by the translation project.
        '.po',

        # Automatically-generated.
        '.pot',
    ])

    self.fossilised_files |= set([
        # Old news won't be updated.
        'ONEWS',
    ])

class TestsuiteFilter(GenericFilter):
def __init__(self):
    GenericFilter.__init__(self)

    self.skip_extensions |= set([
        # Don't change the tests, which could be woend by anyone.
        '.c',
        '.C',
        '.cc',
        '.h',
        '.hs',
        '.f',
        '.f90',
        '.go',
        '.inc',
    )
def skip_file (self, dir, filename):
    # g++.niklas/README contains historical copyright information
    # and isn’t updated.
    if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
        return True
    return GenericFilter.skip_file (self, dir, filename)

class LibCppFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set (
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        )

class LibGCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set (
            # Imported from GLIBC.
            'soft-fp',
        )

class LibJavaFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set (
            # Handled separately.
            'testsuite',

            # Not really part of the library
            'contrib',

            # Imported from upstream
            'classpath',
            'libltdl',
        )

def get_line_filter (self, dir, filename):
if filename == 'NameDecoder.h':
    return re.compile ('.*NAME_COPYRIGHT')
if filename == 'ICC_Profile.h':
    return re.compile ('.*icSigCopyrightTag')
return GenericFilter.get_line_filter (self, dir, filename)

class LibMudflapFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ([
            # Handled separately.
            'testsuite',
        ])

class LibStdCxxFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set ([
            # Contains no copyright of its own, but quotes the GPL.
            'intro.xml',
        ])

        self.skip_dirs |= set ([
            # Contains automatically-generated sources.
            'html',
            # The testsuite data files shouldn't be changed.
            'data',
            # Contains imported images
            'images',
        ])

        self.own_files |= set ([
            # Contains markup around the copyright owner.
            'spine.xml',
        ])

def get_line_filter (self, dir, filename):
    if filename == 'boost_concept_check.h':
        return re.compile ('// (C) Copyright Jeremy Siek')
    return GenericFilter.get_line_filter (self, dir, filename)

class GCCCopyright (Copyright):
    def __init__ (self, errors):
        Copyright.__init__ (self, errors)
canon_fsf = 'Free Software Foundation, Inc.'
self.add_package_author ('Free Software Foundation', canon_fsf)
self.add_package_author ('Free Software Foundation.', canon_fsf)
self.add_package_author ('Free Software Foundation Inc.', canon_fsf)
self.add_package_author ('Free Software Foundation, Inc', canon_fsf)
self.add_package_author ('Free Software Foundation, Inc.', canon_fsf)
self.add_package_author ('The Free Software Foundation', canon_fsf)
self.add_package_author ('The Free Software Foundation, Inc.', canon_fsf)
self.add_package_author ('Software Foundation, Inc.', canon_fsf)

self.add_external_author ('ARM')
self.add_external_author ('AdaCore')
self.add_external_author ('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
self.add_external_author ('Cavium Networks.')
self.add_external_author ('Faraday Technology Corp.')
self.add_external_author ('Florida State University')
self.add_external_author ('Greg Colvin and Beman Dawes.')
self.add_external_author ('Hewlett-Packard Company')
self.add_external_author ('Information Technology Industry Council')
self.add_external_author ('James Theiler, Brian Gough')
self.add_external_author ('Makoto Matsumoto and Takuji Nishimura,')
self.add_external_author ('National Research Council of Canada.')
self.add_external_author ('Peter Dimov and Multi Media Ltd.')
self.add_external_author ('Peter Dimov')
self.add_external_author ('Pipeline Associates, Inc.')
self.add_external_author ('Regents of the University of California.')
self.add_external_author ('Silicon Graphics Computer Systems, Inc.')
self.add_external_author ('Silicon Graphics')
self.add_external_author ('Stephen L. Moshier')
self.add_external_author ('Sun Microsystems, Inc. All rights reserved.')
self.add_external_author ('The Go Authors. All rights reserved.')
self.add_external_author ('The Go Authors.')
self.add_external_author ('The Regents of the University of California.')
self.add_external_author ('Unicode, Inc.')
self.add_external_author ('University of Toronto.')

class GCCCmdLine (CmdLine):
    def __init__ (self):
        CmdLine.__init__ (self, GCCCopyright)

        self.add_dir ('.', TopLevelFilter())
        # boehm-gc is imported from upstream.
        self.add_dir ('config', ConfigFilter())
        # contrib isn't really part of GCC.
        self.add_dir ('fixincludes')
        self.add_dir ('gcc', GCCFilter())
import os

class GCCCmdLine:
    def main(self):
        pass

self.add_dir(os.path.join('gcc', 'testsuite'), TestsuiteFilter())
self.add_dir('gnatools')
self.add_dir('include')
self.add_dir('libada')
self.add_dir('libatomic')
self.add_dir('libbacktrace')
self.add_dir('libcpp', LibCppFilter())
self.add_dir('libdecnumber')
# libffi is imported from upstream.
self.add_dir('libgcc', LibGCCFilter())
self.add_dir('libgfortran')
self.add_dir('libgomp')
self.add_dir('libiberty')
self.add_dir('libitm')
self.add_dir('libjava', LibJavaFilter())
self.add_dir(os.path.join('libjava', 'testsuite'), TestsuiteFilter())
self.add_dir('libmudflap', LibMudflapFilter())
self.add_dir(os.path.join('libmudflap', 'testsuite'), TestsuiteFilter())
self.add_dir('libobjc')
self.add_dir('libquadmath')
# libsanitiser is imported from upstream.
self.add_dir('libssp')
self.add_dir('libstdc++-v3', LibStdCxxFilter())
self.add_dir('lto-plugin')
# zlib is imported from upstream.

default_dirs = [
    'gcc',
    'libada',
    'libatomic',
    'libbacktrace',
    'libcpp',
    'libdecnumber',
    'libgcc',
    'libgfortran',
    'libgomp',
    'libibm',
    'libmudflap',
    'libobjc',
    'libstdc++-v3',
]

GCCCmdLine().main()

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Version 2.1, February 1999
Preamble

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d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using
underscores, we are using prefix `.s to identify labels that should
be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line
that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE,SIZE) \
fprintf (FILE, "\t.space "HOST_WIDE_INT_PRINT_UNSIGNED\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line
to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED) \

( fputs (".comm ", (FILE)),
assemble_name ((FILE), (NAME)),
fprintf ((FILE), ",%u
", (int)(ROUNDED)))

/* This says how to output an assembler line
to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED)  
( fputs (".lcomm ", (FILE)),
assemble_name ((FILE), (NAME)),
fprintf ((FILE), ",%u
", (int)(ROUNDED)))

#if defined HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUTAligned_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  
( fputs (".lcomm ", (FILE)),
assemble_name ((FILE), (NAME)),
fprintf ((FILE), ",%u,%u
", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line
that says to advance the location counter
to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG)  
if ((LOG)!=0) fprintf ((FILE), 	.align %d
", (LOG))

/* This is how to store into the string BUF
the symbol_ref name of an internal numbered label where
PREFIX is the class of label and NUM is the number within the class.
This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)  
sprintf ((BUF), 
*%s%ld
", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */
#define USER_LABEL_PREFIX 

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1
#define DBX_CONTIN_LENGTH 0

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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
class java::security::acl::Permission : public ::java::lang::Object
{

public:
    virtual jboolean equals(::java::lang::Object *) = 0;
    virtual ::java::lang::String * toString() = 0;
    static ::java::lang::Class class$;
} __attribute__ ((java_interface));
#endif // __java_security_acl_Permission__

This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.

Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dossier@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@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and
Brian D. Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dossel provided Alpha/OSF/1 code. He and
Dave Detlefs (detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks (agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports.
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to
a Motorola 88K processor running CX/UX (Harris NightHawk).
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to
nonIBM development environments (a nontrivial task).
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.
David Chase, then at Olivetti Research, suggested several improvements.
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the
code to save and print call stacks for leak detection on a SPARC.
Jesse Hull and John Ellis supplied the C++ interface code.
Zhong Shao performed much of the experimentation that led to the
current typed allocation facility. (His dynamic type inference code hasn't
made it into the released version of the collector, yet.)

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/**
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 * java.security.Permission.
 *
 * @version 0.0
 * @author Aaron M. Renn (arenn@urbanophile.com)
 */
public interface Permission
{
/**
 * This method tests whether or not a specified <code>Permission</code>
 * (passed as an <code>Object</code>) is the same as this permission.
 *
 * @param perm The permission to check for equality
 *
 * @return <code>true</code> if the specified permission is the same as this one, <code>false</code> otherwise
 */
boolean equals (Object perm);

/**
 * This method returns this <code>Permission</code> as a <code>String</code>.
 *
 * @return A <code>String</code> representing this permission.
 */
String toString();
}

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define __gnu_javax_sound_AudioSecurityManager$Permission__
#pragma interface

#include <java/lang/Enum.h>
#include <gcj/array.h>

extern "Java"
{
namespace gnu
{
namespace javax
{
namespace sound
{
class AudioSecurityManager$Permission;
}
}
}

class gnu::javax::sound::AudioSecurityManager$Permission : public ::java::lang::Enum
{
    AudioSecurityManager$Permission(::java::lang::String *, jint);
public:
static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * values();
static ::gnu::javax::sound::AudioSecurityManager$Permission * valueOf(::java::lang::String *);
static ::gnu::javax::sound::AudioSecurityManager$Permission * PLAY;
static ::gnu::javax::sound::AudioSecurityManager$Permission * RECORD;
static ::gnu::javax::sound::AudioSecurityManager$Permission * ALL;
private:
static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * ENUM$VALUES;
public:
static ::java::lang::Class class$;
};
#endif // __gnu_javax_sound_AudioSecurityManager$Permission__

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1.4381 maglev 1.7.96
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Metadata-Version: 2.0
Name: maglev
Version: 1.7.96
Summary: Maglev Api Service (1.7.96)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: Jinja2 (==2.10)
Requires-Dist: PyJWT (==1.5.1)
Requires-Dist: PyYAML (==3.12)
Requires-Dist: croniter (==0.3.17)
Requires-Dist: cryptography (==2.1.4)
Requires-Dist: influxdb (==3.0.0)
Requires-Dist: ipcalc (==1.99.0)
Requires-Dist: kubernetes (==10.0.0)
Requires-Dist: maglev-api (~==1.7.0)
Requires-Dist: maglev-appserver (~==1.8.0)
Requires-Dist: maglev-common (~==1.7.0)
Requires-Dist: maglev-internal-api (~==1.7.0)
Requires-Dist: maglev-manifest-converter (~==1.7.0)
Requires-Dist: maglev-utils (~==1.7.0)
Requires-Dist: maglev-workflow (~==1.7.0)
# Installation
+ Requires: Python 3.5 download the dmg and install, use pyenv to create a virtual environment

Found in path(s):
* /opt/cola/permits/1175807171_1624493987.18/0/maglev-1.7.96-dist-info-zip/inputdir/packages_extracted/targz/1/packages_extracted/3/packages_extracted/3/packages_extracted/91/maglev-1.7.96.dist-info/METADATA

1.4382 libsepol 2.4 2
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1.4383 liblzma 5.2.4-1

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Subject: Re: XZ utils for Debian
Date: Sun, 19 Jul 2009 13:28:23 +0300
Message-Id: <200907191328.23816.lasse.collin@tukaani.org>

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1.4386 libpython-stdlib 2.7.12 1~16.04
1.4386.1 Available under license:

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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

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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dh_python2, pycompile, pyclean and debpython module:

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1.4387 x-is-function 1.0.4

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1.4388 glob-all 3.1.0

1.4388.1 Available under license:

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# glob-all

Provides a similar API to [glob](https://github.com/isaacs/node-glob), however instead of a single pattern, you may also use arrays of patterns.

[![Version](https://img.shields.io/npm/v/glob-all.svg)](https://www.npmjs.com/package/glob-all)
[![Downloads](https://img.shields.io/npm/dm/glob-all.svg)](https://www.npmjs.com/package/glob-all)
[![CircleCI](https://circleci.com/gh/jpillora/node-glob-all.svg?style=shield)](https://circleci.com/gh/jpillora/node-glob-all)

### Install

````
npm install --save glob-all
````

### Usage

Given files:

````
files
 a.txt
 b.txt
 c.txt
 x
 y.txt
 z.txt
```
We can:
``` js
var glob = require('glob-all');

var files = glob.sync([  
'files/**',       //include all files/
'!files/x/**',    //then, exclude files/x/
'files/x/z.txt'   //then, reinclude files/x/z.txt
]);

console.log(files);
```

Resulting in:
``` js
[ 'files',       
  'files/a.txt', 
  'files/b.txt', 
  'files/c.txt', 
  'files/x/z.txt' ]
```

### CLI Usage

```
$ npm install -g glob-all
```

List all JavaScript files in `example/`

``` sh
$ glob-all 'example/**/*.js'
examle/async.js
example/events.js
example/order.js
example/perf.js
example/sync.js
```

Or list all JavaScript files but ignore 3rd-party modules:

``` sh
$ glob-all '*/.js' '!node_modules/**/*'
```

### API

* Async - `glob(patterns[, options], callback)`
* Returns a `GlobAll` instance which emits:
* `match`
* `error`
* `end`

* Sync - `glob.sync(patterns[, options])`
* Returns `[String]` or `null`

See [node-glob](https://github.com/isaacs/node-glob)

### Notes

#### Exclude Pattern

Since [node-glob](https://github.com/isaacs/node-glob) only allows one pattern, there is no such thing as an exclude pattern (like in Grunt and Gulp). However, in `node-glob-all` we allow exclusion of the results of an entire pattern by prefixing the pattern with `!`.

[node-glob](https://github.com/isaacs/node-glob) exclusions (`!` inside the pattern) to exclude a portion of the path will still work as expected.

#### File Order

If a file occurs in more than once in the set, the one with the **more precise pattern** will be used and the other will be thrown away. So, if you’d like a file be in a certain position, you could do:

```js
var glob = require('glob-all');

var files = glob.sync(
  'files/x/y.txt',
  'files/**'
);

console.log(files);
```

Which will bring `files/x/y.txt` to the top:

```js
[ 'files/x/y.txt',
  'files',
  'files/a.txt',
  'files/b.txt',
  'files/c.txt',
  'files/x',
  'files/x/z.txt' ]
```
#### Filtering out directories

You can use the `mark` option to mark directories with a `/`, then you can:
```js
files.filter(function(f) { return !/^$/test(f); });
```

#### Performance

Internally, `glob-all` uses the `statCache` option to prevent repeat lookups across multiple patterns.

#### Todo

* Implement `abort`
* Add tests

#### Contributing

* edit `glob-all.js`
* `npm test`

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* /opt/cola/permits/1112204967_1607051689.91/0/glob-all-3-1-0-2-tgz/package/README.md
1.4389 musl 1.1.24-r2
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1.4390 lodash-pad 4.1.0

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Metadata-Version: 1.2
Name: pyasn1
Version: 0.4.8
Summary: ASN.1 types and codecs
Home-page: https://github.com/etingof/pyasn1
Author: Ilya Etingof
Author-email: etingof@gmail.com
Maintainer: Ilya Etingof <etingof@gmail.com>
License: BSD
Description: Pure-Python implementation of ASN.1 types and DER/BER/CER codecs (X.208)
Platform: any
Classifier: Development Status :: 5 - Production/Stable
Classifier: Environment :: Console
Classifier: Intended Audience :: Developers
Classifier: Intended Audience :: Education
Classifier: Intended Audience :: Information Technology
Classifier: Intended Audience :: System Administrators
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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 3.7
* 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) by Olivier Dubuisson is one of those high quality books freely available on the Internet.

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(0).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`):

```python
>>> record = Record()
>>> record['id'] = 123
>>> record['room'] = 321
>>> str(record)
Record:
id=123
room=321
```
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
>>> received_record.update(room=123)
>>> substrate = encode(received_record)
>>> hexdump(substrate)
00000: 30 06 02 01 7B 80 01 7B
```

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
>>> from pyasn1.codec.native.encoder import encode
>>> encode(record)
{'id': 123, 'room': 321, 'house': 0}
```

Or vice-versa -- you can initialize an ASN.1 structure from a tree of Python objects:
With ASN.1 design, serialisation codecs are decoupled from data objects, so you could turn every single ASN.1 object into many different serialised forms. As of this moment, pyasn1 supports BER, DER, CER and Python built-ins codecs. The extremely compact PER encoding is expected to be introduced in the upcoming pyasn1 release.

More information on pyasn1 APIs can be found in the [documentation](http://snmplabs.com/pyasn1/), compiled ASN.1 modules for different protocols and file formats could be found in the pyasn1-modules [repo](https://github.com/etingof/pyasn1-modules).

How to get pyasn1
-----------------

The pyasn1 package is distributed under terms and conditions of 2-clause BSD [license](http://snmplabs.com/pyasn1/license.html). Source code is freely available as a GitHub [repo](https://github.com/etingof/pyasn1).

You could `pip install pyasn1` or download it from [PyPI](https://pypi.org/project/pyasn1).

If something does not work as expected, [open an issue](https://github.com/etingof/pyasn1/issues) at GitHub or post your question [on Stack Overflow](https://stackoverflow.com/questions/ask) or try browsing pyasn1 [mailing list archives](https://sourceforge.net/p/pyasn1/mailman/pyasn1-users/).

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ASN.1 library for Python

Abstract Syntax Notation One (ASN.1) 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.org/project/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 it 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 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 or 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::
   :maxdepth: 2

/example-use-case

Download & Install
------------------

.. toctree::
   :maxdepth: 2

/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::
   :maxdepth: 1

/changelog

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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`_ by Olivier Dubuisson
* `ASN.1 Complete`_ by Prof John Larmouth

Here you can get the official standards which is hard to read:

* `ITU standards`_  

On the other end of the readability spectrum, here is a quick and sweet write up:

* `A Layman's Guide to a Subset of ASN.1, BER, and DER`_ by Burton S. Kaliski

If you are working with ASN.1, we'd highly recommend reading a proper book on the subject.

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* `/opt/cola/permits/1110812511_1607462013.57/0/pyasn1-0.4.8-tar-gz/pyasn1-0.4.8/docs/source/contents.rst`
1.4393 util-promisify 2.1.0

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End:
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1.4402 python 3.7.3-2

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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.

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Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to  
form the BeOpen PythonLabs team. In October of the same year, the PythonLabs  
team moved to Digital Creations (now Zope Corporation; see  
http://www.zope.com/). In 2001, the Python Software Foundation (PSF, see  
https://www.python.org/psf/) was formed, a non-profit organization created  
specifically to own Python-related Intellectual Property. Zope Corporation is a  
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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
Sockets
-------

The `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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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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    -------
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Select kqueue
--------------

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--------

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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 :file:`Python/dtoa.c`, which supplies C functions dtoa and strtod for conversion of C doubles to and from strings, is derived from the file of the same name by David M. Gay, currently available from http://www.netlib.org/fp/. The original file, as retrieved on March 16, 2009, contains the following copyright and licensing notice::

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-----

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-----

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----

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Jean-loup Gailly        Mark Adler
The implementation of the hash table used by the :mod:`tracemalloc` is based on the cfuhash project:

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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/@WBRSRIlBZDHBFXQB6/>
  * Code review, PEP8 compliance, benchmark fix

* kennethreitz <me@kennethreitz.com>
  * Bugfixes, suggestions, Requests integration

* georgemarshall <https://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.

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  * Correct six.moves conflict
  * Fixed pickle support of some exceptions
* Boris Figovsky <boris.figovsky@ravellosystems.com>
  * Allowed to skip SSL hostname verification

* Cory Benfield <https://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 <https://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 <https://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

* Thea Flowers <magicalgirl@google.com>
* App Engine environment tests.
* Documentation re-write.

* 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/atal>
  * 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

* Jess Shapiro <jesse@jesseshapiro.net>
  * Various character-encoding fixes/tweaks
  * Disabling IPv6 DNS when IPv6 connections not supported

* David Foster <http://dafoster.net/>
  * Ensure order of request and response headers are preserved.

* Jeremy Cline <jeremy@jcline.org>
  * Added connection pool keys by scheme

* Aviv Palivoda <palaviv@gmail.com>
  * History list to Retry object.
  * HTTPResponse contains the last Retry object.
* Nate Prewitt <nate.prewitt@gmail.com>
  * Ensure timeouts are not booleans and greater than zero.
  * Fixed infinite loop in `stream` when amt=None.
  * Added length_remaining to determine remaining data to be read.
  * Added enforce_content_length to raise exception when incorrect content-length received.

* Seth Michael Larson <sethmichaellarson@protonmail.com>
  * Created selectors backport that supports PEP 475.

* Alexandre Dias <alex.dias@smarks.com>
  * Don't retry on timeout if method not in whitelist

* Moinuddin Quadri <moin18@gmail.com>
  * Lazily load idna package

* Tom White <s6yg1ez3@mail2tor.com>
  * Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.

* Tim Burke <tim.burke@gmail.com>
  * Stop buffering entire deflate-encoded responses.

* Tuukka Mustonen <tuukka.mustonen@gmail.com>
  * Add counter for status_forcelist retries.

* Erik Rose <erik@mozilla.com>
  * Bugfix to pyopenssl vending

* Wolfgang Richter <wolfgang.richter@gmail.com>
  * Bugfix related to loading full certificate chains with PyOpenSSL backend.

* Mike Miller <github@mikeage.net>
  * Logging improvements to include the HTTP(S) port when opening a new connection

* Ioannis Tziakos <mail@itziakos.gr>
  * Fix `util.selectors._fileobj_to_fd` to accept `long`.
  * Update appveyor tox setup to use the 64bit python.

* Akamai (through Jess Shapiro) <jshapiro@akamai.com>
  * Ongoing maintenance; 2017-2018

* Dominique Leuenberger <dimstar@opensuse.org>
  * Minor fixes in the test suite

* Will Bond <will@wbond.net>
  * Add Python 2.6 support to `contrib.securetransport`

* Aleksei Alekseev <alekseev.yeskela@gmail.com>
  * using auth info for socks proxy
* Chris Wilcox <git@crwilcox.com>
  * Improve contribution guide
  * Add `HTTPResponse.geturl` method to provide `urllib2.urlopen().geturl()` behavior

* Bruce Merry <https://www.brucemerry.org.za>
  * Fix leaking exceptions when system calls are interrupted with zero timeout

* Hugo van Kemenade <https://github.com/hugovk>
  * Drop support for EOL Python 2.6

* Tim Bell <https://github.com/timb07>
  * Bugfix for responses with Content-Type: message/* logging warnings

* Justin Bramley <https://github.com/jbramleycl>
  * Add ability to handle multiple Content-Encodings

* Katsuhiko YOSHIDA <https://github.com/kyoshidajp>
  * Remove Authorization header regardless of case when redirecting to cross-site

* James Meickle <https://permadeath.com/>
  * Improve handling of Retry-After header

* Chris Jerdonek <chris.jerdonek@gmail.com>
  * Remove a spurious TypeError from the exception chain inside HTTPConnectionPool._make_request(), also for BaseExceptions.

* Jorge Lopez Silva <https://github.com/jalopezsilva>
  * Added support for forwarding requests through HTTPS proxies.

* Benno Rice <benno@jeamland.net>
  * Allow cadata parameter to be passed to underlying ```SSLContext.load_verify_locations()```.

* Keiichi Kobayashi <abok.1k@gmail.com>
  * Rename VerifiedHTTPSConnection to HTTPSConnection

* Himanshu Garg <garg_himanshu@outlook.com>
  * DOC & LICENSE Update

* Hod Bin Noon <bin.noon.hod@gmail.com>
  * Test improvements

* Chris Olufson <tycarac@gmail.com>
  * Fix for connection not being released on HTTP redirect and response not preloaded

* [Bastiaan Bakker] <https://github.com/bastiaanb>
  * Support for logging session keys via environment variable ```SSLKEYLOGFILE``` (Python 3.8+)
* [Ezzeri Esa] <https://github.com/savarin>
* Ports and extends on types from typeshed

* [Your name or handle] <[email or website]>
* [Brief summary of your changes]

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1.4404 braces 2.3.2

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* /opt/ws_local/PERMITS_SQL/1072871266_1595214869.21/0/netty-codec-4-1-42-final-sources-1-jar/io/netty/handler/codec/string/LineSeparator.java
* /opt/ws_local/PERMITS_SQL/1072871266_1595214869.21/0/netty-codec-4-1-42-final-sources-1-jar/io/netty/handler/codec/CodecOutputList.java

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* /opt/ws_local/PERMITS_SQL/1072871266_1595214869.21/0/netty-codec-4-1-42-final-sources-1-
jar/io/netty/handler/codec/CharSequenceValueConverter.java
* /opt/ws_local/PERMITS_SQL/1072871266_1595214869.21/0/netty-codec-4-1-42-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1072871266_1595214869.21/0/netty-codec-4-1-42-final-sources-1-
  jar/io/netty/handler/codec/bytes/ByteArrayEncoder.java
* /opt/ws_local/PERMITS_SQL/1072871266_1595214869.21/0/netty-codec-4-1-42-final-sources-1-
  jar/io/netty/handler/codec/serialization/CompatibleObjectEncoder.java
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  jar/io/netty/handler/codec/serialization/CompactObjectOutputStream.java
* /opt/ws_local/PERMITS_SQL/1072871266_1595214869.21/0/netty-codec-4-1-42-final-sources-1-
  jar/io/netty/handler/codec/MessageToMessageEncoder.java
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  jar/io/netty/handler/codec/compression/JdkZlibEncoder.java
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  jar/io/netty/handler/codec/MessageToByteEncoder.java
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* /opt/ws_local/PERMITS_SQL/1072871266_1595214869.21/0/netty-codec-4-1-42-final-sources-1-
  jar/io/netty/handler/codec/ByteToMessageDecoder.java
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  jar/io/netty/handler/codec/serialization/CompactObjectInputStream.java
* /opt/ws_local/PERMITS_SQL/1072871266_1595214869.21/0/netty-codec-4-1-42-final-sources-1-
  jar/io/netty/handler/codec/marshalling/MarshallingEncoder.java
* /opt/ws_local/PERMITS_SQL/1072871266_1595214869.21/0/netty-codec-4-1-42-final-sources-1-
  jar/io/netty/handler/codec/marshalling/MarshallingDecoder.java
* /opt/ws_local/PERMITS_SQL/1072871266_1595214869.21/0/netty-codec-4-1-42-final-sources-1-
  jar/io/netty/handler/codec/string/StringDecoder.java
* /opt/ws_local/PERMITS_SQL/1072871266_1595214869.21/0/netty-codec-4-1-42-final-sources-1-
  jar/io/netty/handler/codec/string/UnmarshallerProvider.java
* /opt/ws_local/PERMITS_SQL/1072871266_1595214869.21/0/netty-codec-4-1-42-final-sources-1-
  jar/io/netty/handler/codec/marshalling/DefaultUnmarshallerProvider.java
* /opt/ws_local/PERMITS_SQL/1072871266_1595214869.21/0/netty-codec-4-1-42-final-sources-1-
  jar/io/netty/handler/codec/MessageToMessageDecoder.java
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  jar/io/netty/handler/codec/serialization/ObjectEncoder.java
* /opt/ws_local/PERMITS_SQL/1072871266_1595214869.21/0/netty-codec-4-1-42-final-sources-1-
  jar/io/netty/handler/codec/Delimiters.java

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* /opt/ws_local/PERMITS_SQL/1072871266_1595214869.21/0/netty-codec-4.1.42-final-sources-1-jar/io/netty/handler/codec/DelimiterBasedFrameDecoder.java

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* /opt/ws_local/PERMITS_SQL/1072871266_1595214869.21/0/netty-codec-4-1-42-final-sources-1-
  jar/io/netty/handler/codec/compression/JdkZlibDecoder.java
* /opt/ws_local/PERMITS_SQL/1072871266_1595214869.21/0/netty-codec-4-1-42-final-sources-1-
  jar/io/netty/handler/codec/xml/XmlFrameDecoder.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.
 */
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.

```plaintext
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" |
+--------+----------------+      +--------+----------------+

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.

```plaintext
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" |
+--------+----------------+      +--------+-------+

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 \(-2\) for compensation.

```
* lengthFieldOffset  = 0
* lengthFieldLength  = 2
* <b>lengthAdjustment</b> = <b>-2</b> (= 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" |
```

* </pre>

* 3 bytes length field at the end of 5 bytes header, do not strip header

```
* 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.
```

```
* lengthFieldOffset  = 2 (= the length of Header 1)
* lengthFieldLength  = 3
* <b>lengthAdjustment</b> = 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>

* 3 bytes length field at the beginning of 5 bytes header, do not strip header

```
* 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.
```

```
* 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)
```
+----------+----------+----------------+      +----------+----------+----------------+
| Header 1 |  Length  | Actual Content |----->| Header 1 |  Length  | Actual Content |
```

---

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2 bytes length field at offset 1 in the middle of 4 bytes header,
strip the first header field and the length field

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 lengthFieldOffset and the extra
header affects the lengthAdjustment. We also specified a non-zero
initialBytesToStrip 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 initialBytesToSkip.

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)

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 lengthAdjustment.
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.

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)
* +--------------------------------------------------------------- +
* </pre>
* @see LengthFieldPrepender
* */

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* /opt/ws_local/PERMITS_SQL/1072871266_1595214869.21/0/netty-codec-4-1-42-final-sources-1-jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java
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* /opt/ws_local/PERMITS_SQL/1072871266_1595214869.21/0/netty-codec-4-1-42-final-sources-1-jar/io/netty/handler/codec/HeadersUtils.java
* /opt/ws_local/PERMITS_SQL/1072871266_1595214869.21/0/netty-codec-4-1-42-final-sources-1-jar/io/netty/handler/codec/protobuf/ProtobufVarint32FrameDecoder.java
* /opt/ws_local/PERMITS_SQL/1072871266_1595214869.21/0/netty-codec-4-1-42-final-sources-1-jar/io/netty/handler/codec/ProtocolDetectionState.java
* /opt/ws_local/PERMITS_SQL/1072871266_1595214869.21/0/netty-codec-4-1-42-final-sources-1-jar/io/netty/handler/codec/ProtocolDetectionResult.java
* /opt/ws_local/PERMITS_SQL/1072871266_1595214869.21/0/netty-codec-4-1-42-final-sources-1-jar/io/netty/handler/codec/protobuf/ProtobufDecoderNano.java
* /opt/ws_local/PERMITS_SQL/1072871266_1595214869.21/0/netty-codec-4-1-42-final-sources-1-jar/io/netty/handler/codec/protobuf/ProtobufEncoderNano.java
* /opt/ws_local/PERMITS_SQL/1072871266_1595214869.21/0/netty-codec-4-1-42-final-sources-1-jar/io/netty/handler/codec/protobuf/ProtobufDecoder.java
* /opt/ws_local/PERMITS_SQL/1072871266_1595214869.21/0/netty-codec-4-1-42-final-sources-1-jar/io/netty/handler/codec/protobuf/ProtobufEncoder.java
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 * Enumeration of supported Base64 dialects.
 * <p>
 * The internal lookup tables 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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/* Utility class for {@link ByteBuf} that encodes and decodes to and from
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 * <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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1.4422 postcss-value-parser 3.3.0

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1.4427 libisl 0.16.1 1
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1.4429 babel-plugin-transform-es2015-destructuring 6.23.0

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/*
 * $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/cookie/MalformedCookieException.java,v 1.8 2004/05/13 04:02:00 mbecke Exp $
 * $Revision: 155418 $
 * $Date: 2005-02-26 08:01:52 -0500 (Sat, 26 Feb 2005) $
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* /opt/cola/permits/1152084407_1618069521.25/0/commons-httpclient-3-0-1-sources-12-
  jar/org/apache/commons/httpclient/methods/ExpectContinueMethod.java
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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
  commons/httpclient/src/java/org/apache/commons/httpclient/auth/AuthChallengeException.java,v 1.2 2004/04/18
  23:51:36 jsdever Exp $
* $Revision: 155418 $
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 * $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
 * commons//httpclient/src/java/org/apache/commons/httpclient/auth/AuthenticationException.java,v 1.6 2004/05/13
 * 04:02:00 mbecke Exp $ *
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jar/org/apache/commons/httpclient/auth/AuthenticationException.java
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/*
 * $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
 * commons//httpclient/src/java/org/apache/commons/httpclient/methods/OptionsMethod.java,v 1.15 2004/04/18
 * 23:51:37 jsdever Exp $ *
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jar/org/apache/commons/httpclient/auth/HttpAuthRealm.java  
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/  
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-  
commons/httpclient/src/java/org/apache/commons/httpclient/cookie/IgnoreCookiesSpec.java,v 1.6 2004/09/14  
20:11:31 olegk Exp $  
* $Revision: 179050 $  
* $Date: 2005-05-30 08:22:06 -0400 (Mon, 30 May 2005) $  
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 * commons//httpclient/src/java/org/apache/commons/httpclient/methods/multipart/Part.java,v 1.16 2005/01/14
 * 21:16:40 olegk Exp $
 * $Revision: 332125 $
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 * commons//httpclient/src/java/org/apache/commons/httpclient/util/ExceptionUtil.java,v 1.5 2004/10/19 18:09:46
 * olegk Exp $
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* Exp $ 
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* $Date: 2005-09-19 16:37:48 -0400 (Mon, 19 Sep 2005) $ 
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  jar/org/apache/commons/httpclient/auth/AuthState.java
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 * $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
 * commons/httpclient/src/java/org/apache/commons/httpclient/params/HttpParams.java,v 1.6 2004/05/13 04:01:22
 * mbecke Exp $
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 * commons//httpclient/src/java/org/apache/commons/httpclient/ConnectionPoolTimeoutException.java,v 1.1
 * 2004/07/05 22:46:58 olegk Exp $
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 * commons//httpclient/src/java/org/apache/commons/httpclient/NoHttpResponseException.java,v 1.1
 * 2004/07/05 22:46:58 olegk Exp $
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 * $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
 * commons/httpclient/src/java/org/apache/commons/httpclient/ContentLengthInputStream.java,v 1.12 2004/10/04
 * 22:05:44 olegk Exp $
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 * $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/util/ParameterParser.java,v 1.5 2004/05/13 04:01:22 mbecke Exp $
 * $Revision: 345737 $
 * $Date: 2005-11-20 07:30:47 -0500 (Sun, 20 Nov 2005) $
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 * $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
 * commons/httpclient/src/java/org/apache/commons/httpclient/params/HttpClientParams.java,v 1.7 2004/05/13 04:01:22 mbecke Exp $
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Found in path(s):
* /opt/cola/permits/1152084407_1618069521.25/0/commons-httpclient-3-0-1-sources-12-jar/org/apache/commons/httpclient/ChunkedInputStream.java

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*/
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/util/IdleConnectionHandler.java,v 1.2 2004/05/13 02:40:36 mbecke Exp $
* $Revision: 155418 $
* $Date: 2005-02-26 08:01:52 -0500 (Sat, 26 Feb 2005) $
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* /opt/cola/permits/1152084407_1618069521.25/0/commons-httpclient-3-0-1-sources-12-
  jar/org/apache/commons/httpclient/HttpHost.java
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/*
 * $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
  olegk Exp $
 * $Revision: 345322 $
 * $Date: 2005-11-17 15:20:08 -0500 (Thu, 17 Nov 2005) $
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* /opt/cola/permits/1152084407_1618069521.25/0/commons-httpclient-3-0-1-sources-12-jar/org/apache/commons/httpclient/HostConfiguration.java
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 * $Revision: 354155 $
 * $Date: 2005-12-05 15:18:10 -0500 (Mon, 05 Dec 2005) $
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* $Revision: 220180 $
* $Date: 2005-07-21 16:29:45 -0400 (Thu, 21 Jul 2005) $
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jar/org/apache/commons/httpclient/ChunkedOutputStream.java
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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons//httpclient/src/java/org/apache/commons/httpclient/Credentials.java,v 1.9 2004/04/18 23:51:34 jsdever
Exp$
* $Revision: 155418 $
* $Date: 2005-02-26 08:01:52 -0500 (Sat, 26 Feb 2005) $
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* /opt/cola/permits/1152084407_1618069521.25/0/commons-httpclient-3-0-1-sources-12-jar/org/apache/commons/httpclient/HeaderElement.java
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* $Revision: 224451 $
* $Date: 2005-07-23 06:23:59 -0400 (Sat, 23 Jul 2005) $ *
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  jar/org/apache/commons/httpclient/util/DateUtil.java
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    /*
    * $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
    * commons/httpclient/src/java/org/apache/commons/httpclient/MultiThreadedHttpConnectionManager.java,v 1.47
    * 2004/12/21 11:27:55 olegk Exp $
    * $Revision: 366716 $
    * $Date: 2006-01-07 08:04:58 -0500 (Sat, 07 Jan 2006) $
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  jar/org/apache/commons/httpclient/MultiThreadedHttpConnectionManager.java
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* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
* olegk Exp $
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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
* commons//httpclient/src/java/org/apache/commons/httpclient/protocol/ReflectionSocketFactory.java,v 1.4
* 2004/12/21 23:15:21 olegk Exp $
* $Revision: 155418 $
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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
* commons//httpclient/src/java/org/apache/commons/httpclient/auth/AuthScope.java,v 1.2 2004/06/23 06:50:25 olegk
* Exp $
* $Revision: 354155 $
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  jar/org/apache/commons/httpclient/methods/PostMethod.java
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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
  commons/httpclient/src/java/org/apache/commons/httpclient/params/HttpConnectionManagerParams.java,v 1.9
  2004/09/13 16:25:20 olegk Exp $
* $Revision: 354155 $
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  jar/org/apache/commons/httpclient/URIException.java

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/*
 * $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
 * commons/httpclient/src/java/org/apache/commons/httpclient/URIUtil.java,v 1.27 2004/05/05 20:34:01 olegk
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commons/httpclient/src/java/org/apache/commons/httpclient/methods/StringRequestEntity.java,v 1.3 2004/07/03
14:27:03 olegk Exp $  
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$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
/commons/httpclient/src/java/org/apache/commons/httpclient/util/DateParseException.java,v 1.5 2004/11/06
19:15:42 mbecke Exp $
*$Revision: 155418 $
*$ $Date: 2005-02-26 08:01:52 -0500 (Sat, 26 Feb 2005) $
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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
* commons/httpclient/src/java/org/apache/commons/httpclient/methods/multipart/FilePartSource.java,v 1.10
* 2004/04/18 23:51:37 jsdever Exp $  
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* /opt/cola/permits/1152084407_1618069521.25/0/commons-httpclient-3-0-1-sources-12-
jar/org/apache/commons/httpclient/methods/multipart/FilePartSource.java
No license file was found, but licenses were detected in source scan.

/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/auth/NTLMScheme.java,v 1.21 2004/05/13 04:02:00
mbecke Exp $
* $Revision: 156690 $
* $Date: 2005-03-09 16:40:30 -0500 (Wed, 09 Mar 2005) $
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/** An implementation of the Microsoft proprietary NTLM authentication scheme. For a detailed
* *
* @author <a href="mailto:remm@apache.org">Remy Maucherat</a>
* @author Rodney Waldhoff
* @author <a href="mailto:jsdever@apache.org">Jeff Dever</a>
* @author Ortwin Gl??ck
* @author Sean C. Sullivan
* @author <a href="mailto:adrian@ephox.com">Adrian Sutton</a>
* @author <a href="mailto:mbowler@GargoyleSoftware.com">Mike Bowler</a>
* @author <a href="mailto:oleg@ural.ru">Oleg Kalnichevski</a>
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* /opt/cola/permits/1152084407_1618069521.25/0/commons-httpclient-3-0-1-sources-12-
jar/org/apache/commons/httpclient/auth/NTLMScheme.java
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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/util/EncodingUtil.java,v 1.8 2004/05/13 04:01:22
mbecke Exp$
* $Revision: 155418$
* $Date: 2005-02-26 08:01:52 -0500 (Sat, 26 Feb 2005)$
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* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
* commons/httpclient/src/java/org/apache/commons/httpclient/protocol/ControllerThreadSocketFactory.java,v 1.2
* 2004/04/18 23:51:38 jsdever Exp $
* $Revision: 155418 $
* $Date: 2005-02-26 08:01:52 -0500 (Sat, 26 Feb 2005) $

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* /opt/cola/permits/1152084407_1618069521.25/0/commons-httpclient-3-0-1-sources-12
jar/org/apache/commons/httpclient/protocol/ControllerThreadSocketFactory.java
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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/AutoCloseInputStream.java,v 1.9 2004/04/18 23:51:34
jsdever Exp $
* $Revision: 291181 $
* $Date: 2005-09-23 14:13:25 -0400 (Fri, 23 Sep 2005) $
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jar/org/apache/commons/httpclient/AutoCloseInputStream.java
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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
jsdever Exp $
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  jar/org/apache/commons/httpclient/HttpConstants.java

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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
* mbecke Exp $
* $Revision: 155418 $
* $Date: 2005-02-26 08:01:52 -0500 (Sat, 26 Feb 2005) $
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jar/org/apache/commons/httpclient/ConnectMethod.java
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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
* commons//httpclient/src/java/org/apache/commons/httpclient/HttpURL.java,v 1.18 2004/09/30 17:26:41 oglueck
* Exp $ 
* $Revision: 358634 $ 
* $Date: 2005-12-22 16:23:15 -0500 (Thu, 22 Dec 2005) $ 
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* /opt/cola/permits/1152084407_1618069521.25/0/commons-httpclient-3-0-1-sources-12-jar/org/apache/commons/httpclient/HttpRecoverableException.java

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  jar/org/apache/commons/httpclient/WireLogOutputStream.java
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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
  commons/httpclient/src/java/org/apache/commons/httpclient/auth/AuthSchemeBase.java,v 1.7 2004/04/18 23:51:36
  jsdever Exp $
* $Revision: 155418 $
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/*
 * $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/auth/BasicScheme.java,v 1.17 2004/05/13 04:02:00 mbecke Exp $
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jar/org/apache/commons/httpclient/HttpVersion.java
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 * $HeadURL:
https://svn.apache.org/repos/asf/jakarta/commons/proper/httpclient/branches/HTTPCLIENT_3_0_BRANCH/src/jav
a/org/apache/commons/httpclient/util/LangUtils.java $
 * $Revision: 354155 $
 * $Date: 2005-12-05 15:18:10 -0500 (Mon, 05 Dec 2005) $
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  jar/org/apache/commons/httpclient/params/DefaultHttpParams.java
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/*
 * $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
 * commons/httpclient/src/java/org/apache/commons/httpclient/auth/AuthChallengeParser.java,v 1.10 2004/05/13
 * 04:02:00 mbecke Exp $
 * $Revision: 155418 $
 * $Date: 2005-02-26 08:01:52 -0500 (Sat, 26 Feb 2005) $ *
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  jar/org/apache/commons/httpclient/auth/MalformedChallengeException.java
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* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
  commons/httpclient/src/java/org/apache/commons/httpclient/methods/ByteArrayRequestEntity.java,v 1.3
  2004/05/13 02:26:08 mbecke Exp $
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* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
  commons/httpclient/src/java/org/apache/commons/httpclient/CircularRedirectException.java,v 1.1 2005/01/14
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 * $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
 * commons/httpclient/src/java/org/apache/commons/httpclient/params/HttpConnectionParams.java,v 1.6 2004/09/15
 * 20:32:21 olegk Exp $
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* /opt/cola/permits/1152084407_1618069521.25/0/commons-httpclient-3-0-1-sources-12-
jar/org/apache/commons/httpclient/params/HttpConnectionParams.java
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Found in path(s):
* /opt/cola/permits/1152084407_1618069521.25/0/commons-httpclient-3-0-1-sources-12-
jar/org/apache/commons/httpclient/methods/multipart/FilePart.java
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  jar/org/apache/commons/httpclient/HttpParser.java
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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
* commons/httpclient/src/java/org/apache/commons/httpclient/params/DefaultHttpParamsFactory.java,v 1.16
* $Revision: 404762 $
* $Date: 2006-05-07 10:07:41 -0400 (Sun, 07 May 2006) $
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  jar/org/apache/commons/httpclient/DefaultHttpMethodRetryHandler.java
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*/
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
  commons//httpclient/src/java/org/apache/commons/httpclient/protocol/SSLProtocolSocketFactory.java,v 1.10
  2004/05/13 04:01:22 mbecke Exp $
* $Revision: 155418 $
* $Date: 2005-02-26 08:01:52 -0500 (Sat, 26 Feb 2005) $
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* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/methods/multipart/PartSource.java,v 1.6 2004/04/18
23:51:37 jsdever Exp $
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https://svn.apache.org/repos/asf/jakarta/commons/proper/httpclient/branches/HTTPCLIENT_3_0_BRANCH/src/java/org/apache/commons/httpclient/util/ParameterFormatter.java $
* $Revision: 178662 $
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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/HttpConnectionManager.java,v 1.24 2004/07/05
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  jar/org/apache/commons/httpclient/HttpClientError.java
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/
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
  commons//httpclient/src/java/org/apache/commons/httpclient/HeaderGroup.java,v 1.8 2004/05/13 04:03:25 mbecke
Exp $
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Authentication policy class. The Authentication policy provides corresponding authentication scheme interface for a given type of authorization challenge.

The following specifications are provided:

- Basic: Basic authentication scheme as defined in RFC2617 (considered inherently insecure, but most widely supported)
- Digest: Digest authentication scheme as defined in RFC2617
- NTLM: The NTLM scheme is a proprietary Microsoft Windows Authentication protocol (considered to be the most secure among currently supported authentication schemes)

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* authentication schemes).
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/*/ 
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
  commons/httpclient/src/java/org/apache/commons/httpclient/AuthToken.java,v 1.2 2004/04/18
  23:51:36 jsdever Exp $ 
* $Revision: 290260 $ 
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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
  commons/httpclient/src/java/org/apache/commons/httpclient/ResponseConsumedWatcher.java,v 1.5 2004/04/18
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jar/org/apache/commons/httpclient/ProtocolException.java
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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/methods/RequestEntity.java,v 1.4 2004/05/17
21:46:03 olegk Exp $
* $Revision: 161963 $
* $Date: 2005-04-19 16:25:06 -0400 (Tue, 19 Apr 2005) $
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 * $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
 * commons/httpclient/src/java/org/apache/commons/httpclient/UsernamePasswordCredentials.java,v 1.14 2004/04/18
 * 23:51:35 jsdever Exp $
 * $Revision: 326707 $
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* /opt/cola/permits/1152084407_1618069521.25/0/commons-httpclient-3-0-1-sources-12-jar/org/apache/commons/httpclient/UsernamePasswordCredentials.java
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jar/org/apache/commons/httpclient/methods/multipart/ByteArrayPartSource.java
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/ *
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/NameValuePair.java,v 1.17 2004/04/18 23:51:35
jsdever Exp $ *
* $Revision: 157457 $ *
* $Date: 2005-03-14 15:23:16 -0500 (Mon, 14 Mar 2005) $ *
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  jar/org/apache/commons/httpclient/util/HttpURLConnection.java
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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
  commons/httpclient/src/java/org/apache/commons/httpclient/util/IdleConnectionTimeoutThread.java,v 1.2
  2004/05/13 02:40:36 mbecke Exp $  
* $Revision: 354829 $
* $Date: 2005-12-07 14:05:13 -0500 (Wed, 07 Dec 2005) $  
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jar/org/apache/commons/httpclient/util/IdleConnectionTimeoutThread.java

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jar/org/apache/commons/httpclient/auth/RFC2617Scheme.java
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* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
jsdever Exp $ 
* $Revision: 326707 $ 
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* /opt/cola/permits/1152084407_1618069521.25/0/commons-httpclient-3-0-1-sources-12-
jar/org/apache/commons/httpclient/RedirectException.java
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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/HttpStatus.java,v 1.18 2004/05/02 11:21:13 olegk Exp $
* $Revision: 155418 $
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  jar/org/apache/commons/httpclient/HttpStatus.java
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/*
 * $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
 * commons/httpclient/src/java/org/apache/commons/httpclient/protocol/ProtocolSocketFactory.java,v 1.10
 * 2004/05/13 04:01:22 mbecke Exp $
 * $Revision: 155418 $
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* /opt/cola/permits/1152084407_1618069521.25/0/commons-httpclient-3-0-1-sources-12-jar/org/apache/commons/httpclient/protocol/ProtocolSocketFactory.java
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/*
   * $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/auth/InvalidCredentialsException.java,v 1.4 2004/05/13 04:02:00 mbecke Exp $
   * $Revision: 155418 $
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   * $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/cookie/NetscapeDraftSpec.java,v 1.11 2004/05/13 04:02:00 mbecke Exp $
   * $Revision: 155418 $
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  commons/httpclient/src/java/org/apache/commons/httpclient/auth/NTLM.java,v 1.11 2004/05/13 04:02:00 mbecke
  Exp $ *
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/**
 * Provides an implementation of the NTLM authentication protocol.
 * <p>
 * This class provides methods for generating authentication
 * challenge responses for the NTLM authentication protocol. The NTLM
 * protocol is a proprietary Microsoft protocol and as such no RFC
 * exists for it. This class is based upon the reverse engineering
 * efforts of a wide range of people.</p>
 * *
 * <p>Please note that an implementation of JCE must be correctly installed and configured when
 * using NTLM support.</p>
 * *
 * <p>This class should not be used externally to HttpClient as it's API is specifically
 * designed to work with HttpClient's use case, in particular it's connection management.</p>
 * *
 * @author <a href="mailto:adrian@ephox.com">Adrian Sutton</a>
 * @author <a href="mailto:jsdever@apache.org">Jeff Dever</a>
 * @author <a href="mailto:mbowler@GargoyleSoftware.com">Mike Bowler</a>
 * *
 * @version $Revision: 155418 $ $Date: 2005-02-26 08:01:52 -0500 (Sat, 26 Feb 2005) $
 * @since 3.0
 */

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  jar/org/apache/commons/httpclient/auth/NTLM.java
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283  46670

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  commons/httpclient/src/java/org/apache/commons/httpclient/MethodRetryHandler.java,v 1.5 2004/07/05 22:46:58
  olegk Exp $
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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
  commons/httpclient/src/java/org/apache/commons/httpclient/cookie/CookieSpecBase.java,v 1.28 2004/11/06
  19:15:42 mbecke Exp $
* $Revision: 190485 $
* $Date: 2005-06-13 15:04:56 -0400 (Mon, 13 Jun 2005) $
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1.4436 maglev-catalog 1.7.49

1.4436.1 Available under license :

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Metadata-Version: 2.0
Name: maglev-catalog
Version: 1.7.49
Summary: Maglev Catalog Service (1.7.49)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: Jinja2 (=2.11.3)
Requires-Dist: PyJWT (=1.4.0)
Requires-Dist: PyYAML (=3.12)
Requires-Dist: boto3 (=1.4.5)
Requires-Dist: cachetools (=2.0.0)
Requires-Dist: cert-validator (=1.5.0)
Requires-Dist: click (=6.6)
Requires-Dist: cryptography (=3.2.1)
Requires-Dist: maglev-api (=1.7.0)
Requires-Dist: maglev-appserver (=1.8.0)
Requires-Dist: maglev-common (=1.7.0)
Requires-Dist: maglev-internal-api (=1.7.0)
Requires-Dist: monotonic (=1.1)
Requires-Dist: pykube (=0.15.0)

# Installation
+ Requires : Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

# Development Notes
- IntelliJ's debugger (and maybe others) seems to have trouble with multiprocessing's `forkserver` mode. If your debugger seems to hang, one workaround is to switch to the default mode for your platform. E.g., in `PooledJobManager.py` [Python ref](https://docs.python.org/3/library/multiprocessing.html#contexts-and-start-methods)

Found in path(s):
* /opt/cola/permits/1152084407_1618069521.25/0/commons-httpclient-3-0-1-sources-12-jar/org/apache/commons/httpclient/cookie/CookieSpecBase.java

1.4436 maglev-catalog 1.7.49
1.4437 libuuid 2.29.2-1+deb9u1

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1.4440 python-yaml 3.12-1

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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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Python was created in the early 1990s by Guido van Rossum at Stichting
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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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3.1.2  3.1   2010  PSF  yes

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**1.4446 virtualenv 20.4.3**

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Upstream-Contact: Mike Pall, http://luajit.org/contact.html
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1.4454 python 2.7.17-1~18.04ubuntu1.2

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became...
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The End

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1.4461 libpam-runtime 1.3.1-5

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-------------------------------------------------------------------------
1.4462 hash.js 1.1.3

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Just a bike-shed.

## Install

```sh
```
```
npm install hash.js
```

## Usage

```js
var hash = require('hash.js')
hash.sha256().update('abc').digest('hex')
```

## Selective hash usage

```js
var sha512 = require('hash.js/lib/hash/sha/512');
sha512().update('abc').digest('hex');
```

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1.4463 ruby-power-assert 0.3.0-1

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1.4464 libncurses 5.9+20140913-1+b1

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1.4468 libpython-dev 2.7.12 1~16.04

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This is the Debian GNU/Linux prepackaged version of the Python programming
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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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1.4470 neo-async 2.6.0

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1.4471 sanitize-html 1.27.4

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1.4472 jersey-common 2.27

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1.4475 core-js 2.5.3

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1.4476 leaflet-draw 0.4.10
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1.4478 decamelize 1.2.0

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1.4479 posix-character-classes 0.1.1

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1ubuntu1~ubuntu16.04.1
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1.4481 icu 57.1-6+deb9u1

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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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1.4482 python-json-logger 0.1.5

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Metadata-Version: 1.1
Name: python-json-logger
Version: 0.1.5
Summary: A python library adding a json log formatter
Home-page: http://github.com/madzak/python-json-logger
Author: Zakaria Zajac
Author-email: z zak@madzak.com
License: BSD
Description: UNKNOWN
Platform: UNKNOWN
Classifier: Development Status :: 3 - Alpha
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: BSD License
Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python
Classifier: Programming Language :: Python :: 2
Classifier: Programming Language :: Python :: 2.6
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3
Classifier: Programming Language :: Python :: 3.1
Classifier: Programming Language :: Python :: 3.2
Classifier: Programming Language :: Python :: 3.3
Classifier: Programming Language :: Python :: 3.4
Classifier: Topic :: System :: Logging

Found in path(s):
* /opt/cola/permits/1112217838_1607050024.56/0/python-json-logger-0-1-5-1-tar-gz/python-json-logger-0.1.5/src/python_json_logger.egg-info/PKG-INFO
* /opt/cola/permits/1112217838_1607050024.56/0/python-json-logger-0-1-5-1-tar-gz/python-json-logger-0.1.5/PKG-INFO

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import sys
from setuptools import setup, find_packages

if sys.version_info < (2, 6):
    print(sys.stderr,  "{}: need Python 2.6 or later." .format(sys.argv[0]))
    print(sys.stderr,  "Your Python is {}" .format(sys.version))
    sys.exit(1)

setup("}
name="python-json-logger",
version="0.1.5",
url="http://github.com/madzak/python-json-logger",
license="BSD",
description="A python library adding a json log formatter",
author="Zakaria Zajac",
author_email="zak@madzak.com",
package_dir={': 'src'},
packages=find_packages("src", exclude="tests"),
test_suite="tests.tests",
install_requires=['setuptools'],
classifiers=[
    'Development Status :: 3 - Alpha',
    'Intended Audience :: Developers',
    'License :: OSI Approved :: BSD License',
    'Operating System :: OS Independent',
    'Programming Language :: Python',
    'Programming Language :: Python :: 2',
    'Programming Language :: Python :: 2.6',
    'Programming Language :: Python :: 2.7',
    'Programming Language :: Python :: 3',
    'Programming Language :: Python :: 3.1',
    'Programming Language :: Python :: 3.2',
    'Programming Language :: Python :: 3.3',
    'Programming Language :: Python :: 3.4',
    'Topic :: System :: Logging',
]

Found in path(s):
* /opt/cola/permits/1112217838_1607050024.56/0/python-json-logger-0.1.5-1.tar.gz/python-json-logger-0.1.5/setup.py

1.4483 tzdata 2017b-0+deb8u1

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1.4484 gpg-wks-client 2.2.4 1ubuntu1.4

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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

--------------------------------------------------------------------------
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1.4490 babel-plugin-transform-es2015-arrow-functions 6.22.0

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1.4501 libice-dev 2:1.0.9-2

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Author: Ralph Mor, X Consortium

1.4502 debug 2.6.9

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1.4503 camelcase 4.1.0

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1.4504 listenablefuture 9999.0-empty-to-avoid-conflict-with-guava

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1.4505 perl-base 5.28.1-6
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Julian Seward, jsward@bzip.org
bzzip2/libbzzip2 version 1.0.6 of 6 September 2010

-----------------------------------------------
---
abstract: 'Build and install Perl modules'
author:
- 'Ken Williams <kwilliams@cpan.org>'
- "Development questions, bug reports, and patches should be sent to the\n  Module-Build mailing list at <module-build@perl.org>,'"
buildRequires:
  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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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

That's all there is to it!

#!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.
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 $/ = "\n";
    my $copyright_msg = <$readme>;

    my ($year) = $copyright_msg =~ /.*\b(\d{4,})/s
        or die "Year not found in README copyright message $copyright_msg";

    $year;
}
sub v_year
# returns the latest copyright year shown in perl -v
{
    my $output = runperl switches => ['-v'];
    my ($year) = $output =~ /copyright 1987.*\b(\d{4,})/i
    or die "Copyright statement not found in perl -v output '$output'";

    $year;
}
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*
* Clean up blobs, clobes and the local configuration.
* <p>
* <h5>BLOBS and CLOBS</h5>
* <p>
* [#1326] This is necessary in those dialects that have long-lived
* temporary lob objects, which can cause memory leaks in certain contexts,
* where the lobs' underlying session / connection is long-lived as well.
* Specifically, Oracle and ojdbc have some trouble when streaming temporary
* lobs to UDTs:
* <ol>
* <li>The lob cannot have a call-scoped life time with UDTs</li>
* <li>Freeing the lob after binding will cause an ORA-22275</li>
* <li>Not freeing the lob after execution will cause an
*     [ @link OutOfMemoryError]</li>
* </ol>
* <p>
* <h5>Local configuration</h5>
* <p>
* [#1544] There exist some corner-cases regarding the [ @link SQLOutput]
* API, used for UDT serialisation / deserialisation, which have no elegant
* solutions of obtaining a [ @link Configuration] and thus a JDBC
* [ @link Connection] object short of:
* <ul>
* <li>Making assumptions about the JDBC driver and using proprietary API,
*     e.g. that of ojdbc</li>
* <li>Dealing with this problem globally by using such a local
*     configuration</li>
* </ul>
* *
* @see <a href="http://stackoverflow.com/q/11439543/521799">http://stackoverflow.com/q/11439543/521799</a>
*/
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* /opt/cola/permits/1176281059_1624666224.61/0/jooq-3-8-6-sources-jar/org/jooq/WindowSpecificationFinalStep.java
* /opt/cola/permits/1176281059_1624666224.61/0/jooq-3-8-6-sources-jar/org/jooq/ConstraintForeignKeyReferencesStep6.java
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* /opt/cola/permits/1176281059_1624666224.61/0/jooq-3-8-6-sources-jar/org/jooq/LoaderListenerStep.java

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* /opt/cola/permits/1176281059_1624666224.61/0/jooq-3-8-6-sources-jar/org/jooq/UDTField.java
* /opt/cola/permits/1176281059_1624666224.61/0/jooq-3-8-6-sources-jar/org/jooq/SelectSeekStep17.java
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* /opt/cola/permits/1176281059_1624666224.61/0/jooq-3-8-6-sources-jar/org/jooq/ConstraintImpl.java
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* /opt/cola/permits/1176281059_1624666224.61/0/jooq-3-8-6-sources-jar/org/jooq/types/UInteger.java
* /opt/cola/permits/1176281059_1624666224.61/0/jooq-3-8-6-sources-jar/org/jooq/types/ULong.java
* /opt/cola/permits/1176281059_1624666224.61/0/jooq-3-8-6-sources-jar/org/jooq/types/Unsigned.java
* /opt/cola/permits/1176281059_1624666224.61/0/jooq-3-8-6-sources-jar/org/jooq/types/UByte.java

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* /opt/cola/permits/1176281059_1624666224.61/0/jooq-3-8-6-sources-jar/org/jooq/impl/CreateIndexImpl.java

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 */
/**
 * Create a "plain SQL" field.

A PlainSQLField is a field that can contain user-defined plain SQL, because sometimes it is easier to express things directly in SQL, for instance complex proprietary functions. There must not be any binding variables contained in the SQL.

Example:

```java
String sql = "DECODE(MY_FIELD, 1, 100, 200)";
```

**NOTE:** When inserting plain SQL into jOOQ objects, you must guarantee syntax integrity. You may also create the possibility of malicious SQL injection. Be sure to properly use bind variables and/or escape literals when concatenated into SQL clauses!

```
@<param> sql The SQL
@<return> A field wrapping the plain SQL
@<see SQL
*/
```

Create a "plain SQL" field.

A PlainSQLField is a field that can contain user-defined plain SQL, because sometimes it is easier to express things directly in SQL, for instance complex proprietary functions. There must be as many binding variables contained in the SQL, as passed in the bindings parameter.

Example:

```java
String sql = "DECODE(MY_FIELD, ?, ?, ?)"
Object[] bindings = new Object[] { 1, 100, 200 };
```

**NOTE:** When inserting plain SQL into jOOQ objects, you must guarantee syntax integrity. You may also create the possibility of malicious SQL injection. Be sure to properly use bind variables and/or escape literals when concatenated into SQL clauses!

```
@<param> sql The SQL
@<param> bindings The bindings for the field
@<return> A field wrapping the plain SQL
@<see SQL
*/
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 * The <code>org.jooq.tools.csv</code> package contains parts of OpenCSV.
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 * jOOQ has no external dependencies. Nevertheless, some libraries that are
 * compatible with jOOQ's Apache License 2.0 are embedded into jOOQ. See the
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 * <p>
 */

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* /opt/cola/permits/1176281059_1624666224.61/0/jooq-3-8-6-sources-jar/org/jooq/tools/csv/package-info.java
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* /opt/cola/permits/1176281059_1624666224.61/0/jooq-3-8-6-sources-jar/org/jooq/tools/json/JSONValue.java
* /opt/cola/permits/1176281059_1624666224.61/0/jooq-3-8-6-sources-jar/org/jooq/tools/json/JSONArray.java
* /opt/cola/permits/1176281059_1624666224.61/0/jooq-3-8-6-sources-jar/org/jooq/tools/json/JSONObject.java
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* /opt/cola/permits/1176281059_1624666224.61/0/jooq-3-8-6-sources-jar/org/jooq/tools/reflect/ReflectException.java
* /opt/cola/permits/1176281059_1624666224.61/0/jooq-3-8-6-sources-jar/org/jooq/tools/reflect/Reflect.java

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1.4511 debug 2.2.0

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1.4512 binutils 2.31.1-16

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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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   (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
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that part of it is a work based on the Library, and explaining
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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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Version 2.1, February 1999

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We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less
of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

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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
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 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.

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on
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7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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1.4515 script-loader 0.7.2

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1.4517 spring-boot-starter-actuator
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1.4519 person-directory-api 1.5.1

1.4520 nmap 7.80-r2
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On all platforms, Nmap is normally linked with:

- **libpcap**: Network packet capture library. Distributed with Nmap in the
  libpcap subdirectory.
  
  http://www.tcpdump.org/

- **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/

- **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/
o 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/
o LIBLINEAR. Used for IPv6 OS classification.
http://www.csie.ntu.edu.tw/~cjlin/liblinear/

On Windows only, Nmap uses:
o 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/

Certain Nmap Scripting Engine scripts use the simplified BSD license in licenses/bsd-simplified.

Zenmap and Ndiff require:
o 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:
o 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/
o 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/
o libgailutil: Accessibility support for GTK+.
o libpng, jpeg, LibTIFF: Image file format libraries used by GTK+.
o zlib and bzip2: compression libraries.
o Expat: XML parser library.
http://expat.sourceforge.net/
o fontconfig: font configuration library.
http://www.fontconfig.org/
o FreeType: font rendering library.
   http://www.freetype.org/

o libiconv. Under the GNU LGPL 2.
   http://www.gnu.org/software/libiconv/

o libintl: gettext translation facilities. Under the GNU LGPL 2 and 2.1.
   http://www.gnu.org/software/gettext/

o libxml2: XML parsing library.
   http://xmlsoft.org/

o SQLite.
   http://www.sqlite.org/

o PyGTK, PyGObject: bindings for Python. Licensed under the GNU LGPL 2.1.
   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.
   http://www.x.org/ http://www.macports.org/

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1.4521 libkrbheimdal 1.7~git20150920+dfsg
4ubuntu1.16.04.1
1.4521.1 Available under license:

Release Notes:

popper-1.831beta is no longer beta30 July 91
Removed popper-1.7.tar.Z

popper-1.831beta.tar.Z03 April 91
Changed mkstemp to mktemp for Ultrix. Sigh.

popper-1.83beta.tar.Z02 April 91

This version makes certain that while running as root we do nothing at all destructive.

popper-1.82beta.tar.Z27 March 91

This version fixes problems on Encore MultiMax and some Sun releases which wouldn't allow a user to ftruncate() a file from an open file descriptor unless the user owns the file. Now the user owns the /usr/spool/mail/.userid.pop file. Thanks to Ben Levy of FTP Software and Henry Holtzman of Apple.

popper-1.81beta.tar.Z20 March 91

This version of popper is supposed to fix three problems reported with various versions of popper (all called 1.7 or 1.7something).

1) Dropped network connections meant lost mail files. Some 1.7 versions also risked corrupting mail files.

2) Some versions of 1.7 created temporary drop files with world read and write permissions.

3) Some versions of 1.7 were not careful about opening the temporary drop file.
popper-1.7.tar.Z       09 September 90 (updated 20 March 91)

This version will exhibit the first problem listed above if it is compiled with -DDEBUG and run without the "-d" (debug) flag.

If it is compiled without -DDEBUG it will exhibit only the second and third bug listed above.

Cliff Frost popptest@nettlesome.berkeley.edu
UC Berkeley
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This code is derived from software contributed to Berkeley by Christos Zoulas of Cornell University.

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\par
Heimdal is a Kerberos 5 implementation.

For information how to install see <http://www.h5l.org/compile.html>.

There are briefer man pages for most of the commands.

Bug reports and bugs are appreciated, see more under Bug reports in the manual on how we prefer them: <heimdal-bugs@h5l.org>.

For more information see the web-page at <http://www.h5l.org/> or the mailing lists:

heimdal-announce@sics.se low-volume announcement
heimdal-discuss@sics.se high-volume discussion

send a mail to heimdal-announce-request@sics.se and
heimdal-discuss-request@sics.se respectively to subscribe.

This is a distribution of both client and server telnet. These programs have been compiled on:
telnet telnetd
4.4 BSD-Lite x x
4.3 BSD Reno X X
UNICOS 9.1 X X
UNICOS 9.0 X X
UNICOS 8.0 X X
BSDI 2.0 X X
Solaris 2.4   x   x (no linemode in server)
SunOs 4.1.4  X  X (no linemode in server)
Ultrix 4.3   X  X (no linemode in server)
Ultrix 4.1   X  X (no linemode in server)

In addition, previous versions have been compiled on the following
machines, but were not available for testing this version.
telnet
telnetd
Next1.0  X  X
UNICOS 8.3  X  X
UNICOS 7.C  X  X
UNICOS 7.0  X  X
SunOs 4.0.3c X  X (no linemode in server)
4.3 BSD   X  X (no linemode in server)
DYNIX V3.0.12 X  X (no linemode in server)
Ultrix 3.1   X  X (no linemode in server)
Ultrix 4.0   X  X (no linemode in server)
SunOs 3.5   X  X (no linemode in server)
SunOs 4.1.3  X  X (no linemode in server)
Solaris 2.2  x   x (no linemode in server)
Solaris 2.3  x   x (no linemode in server)
BSDI 1.0    X  X
BSDI 1.1    X  X
DYNIX V3.0.17.9 X  X (no linemode in server)
HP-UX 8.0   x   x (no linemode in server)

This code should work, but there are no guarantees.

May 30, 1995

This release represents what is on the 4.4BSD-Lite2 release, which
should be the final BSD release. I will continue to support of
telnet. The code (without encryption) is available via anonymous ftp
from ftp.cray.com, in src/telnet/telnet.YY.MM.DD.NE.tar.Z, where
YY.MM.DD is replaced with the year, month and day of the release.
If you can't find it at one of these places, at some point in the
near future information about the latest releases should be available
from ftp.borman.com.

In addition, the version with the encryption code is available via
ftp from net-dist.mit.edu, in the directory /pub/telnet. There
is a README file there that gives further information on how
to get the distribution.

Questions, comments, bug reports and bug fixes can be sent to
one of these addresses:
dab@borman.com
dab@cray.com
dab@bsdi.com

This release is mainly bug fixes and code cleanup.

Replace all calls to bcopy()/bzero() with calls to memmove()/memset() and all calls to index()/rindex() with calls to strchr()/strrchr().

Add some missing diagnostics for option tracing to telnetd.

Add support for BSDI 2.0 and Solaris 2.4.

Add support for UNICOS 8.0

Get rid of expanded tabs and trailing white spaces.

From Paul Vixie:
Fix for telnet going into an endless spin when the session dies abnormally.

From Jef Poskanzer:
Changes to allow telnet to compile under SunOS 3.5.

From Philip Guenther:
makeutx() doesn't expand utmpx, use pututxline() instead.

From Chris Torek:
Add a sleep(1) before execing login to avoid race condition that can eat up the login prompt.
Use terminal speed directly if it is not an encoded value.

From Steve Parker:
Fix to realloc() call. Fix for execing login on solaris with no user name.

January 19, 1994

This is a list of some of the changes since the last tar release of telnet/telnetd. There are probably other changes that aren't listed here, but this should hit a lot of the main ones.

General:
Changed #define for AUTHENTICATE to AUTHENTICATION
Changed #define for ENCRYPT to ENCRYPTION
Changed #define for DES_ENCRYPT to DES_ENCRYPTION

Added support for SPX authentication: -DSPX

Added support for Kerberos Version 5 authentication: -DKRB5

Added support for ANSI C function prototypes

Added support for the NEW-ENVIRON option (RFC-1572) including support for USERVAR.

Made support for the old Environment Option (RFC-1408) conditional on -DOLD_ENVIRON

Added #define ENV_HACK - support for RFC 1571

The encryption code is removed from the public distributions. Domestic 4.4 BSD distributions contain the encryption code.

ENV_HACK: Code to deal with systems that only implement the old ENVIRON option, and have reversed definitions of ENV_VAR and ENV_VAL. Also fixes ENV processing in client to handle things besides just the default set...

NO_BSD_SETJMP: UNICOS configuration for UNICOS 6.1/6.0/5.1/5.0 systems.

STREAMSPTY: Use /dev/ptmx to get a clean pty. This is for SVr4 derivatives (Like Solaris)

UTMPX: For systems that have /etc/utmpx. This is for SVr4 derivatives (Like Solaris)

Definitions for BSDI 1.0

Definitions for 4.3 Reno and 4.4 BSD.

Definitions for UNICOS 8.0 and UNICOS 7.C

Definitions for Solaris 2.0

Definitions for HP-UX 8.0

Latest Copyright notices from Berkeley.

FLOW-CONTROL: support for RFC-XXXx
Client Specific:

Fix the "send" command to not send garbage...

Fix status message for "skiprc"

Make sure to send NAWS after telnet has been suspended or an external command has been run, if the window size has changed.

sysV88 support.

Server Specific:

Support flowcontrol option in non-linemode servers.

-k Server supports Kludge Linemode, but will default to either single character mode or real Linemode support. The user will have to explicitly ask to switch into kludge linemode. ("stty extproc", or escape back to telnet and say "mode line").

-u Specify the length of the hostname field in the utmp file. Hostname longer than this length will be put into the utmp file in dotted decimal notation, rather than putting in a truncated hostname.

-U Registered hosts only. If a reverse hostname lookup fails, the connection will be refused.

-f/-F
Allows forwarding of credentials for KRB5.

February 22, 1991:

Features:

This version of telnet/telnetd has support for both the AUTHENTICATION and ENCRYPTION options. The AUTHENTICATION option is fairly well defined, and an option number has been assigned to it. The ENCRYPTION option is still in a state of flux; an option number has been assigned to it, but it is still subject to change. The code is provided in this release for experimental and testing purposes.

The telnet "send" command can now be used to send
do/dont/will/wont commands, with any telnet option name. The rules for when do/dont/will/wont are sent are still followed, so just because the user requests that one of these be sent doesn't mean that it will be sent...

The telnet "getstatus" command no longer requires that option printing be enabled to see the response to the "DO STATUS" command.

A -n flag has been added to telnetd to disable keepalives.

A new telnet command, "auth" has been added (if AUTHENTICATE is defined). It has four sub-commands, "status", "disable", "enable" and "help".

A new telnet command, "encrypt" has been added (if ENCRYPT is defined). It has many sub-commands: "enable", "type", "start", "stop", "input", "-input", "output", "-output", "status", and "help".

The LOGOUT option is now supported by both telnet and telnetd, a new command, "logout", was added to support this.

Several new toggle options were added:
   "autoencrypt", "autodecrypt", "autologin", "authdebug",
   "encdebug", "skiprc", "verbose_encrypt"

An "rlogin" interface has been added. If the program is named "rlogin", or the "-r" flag is given, then an rlogin type of interface will be used.
~. Terminates the session
~<susp> Suspend the session
~^] Escape to telnet command mode
~~ Pass through the ~.
   BUG: If you type the rlogin escape character in the middle of a line while in rlogin mode, you cannot erase it or any characters before it. Hopefully this can be fixed in a future release...

General changes:

A "libtelnet.a" has now been created. This library contains code that is common to both telnet and telnetd. This is also where library routines that
are needed, but are not in the standard C library, are placed.

The makefiles have been re-done. All of the site specific configuration information has now been put into a single "Config.generic" file, in the top level directory. Changing this one file will take care of all three subdirectories. Also, to add a new/local definition, a "Config.local" file may be created at the top level; if that file exists, the subdirectories will use that file instead of "Config.generic".

Many 1-2 line functions in commands.c have been removed, and just inserted in-line, or replaced with a macro.

Bug Fixes:

The non-termio code in both telnet and telnetd was setting/clearing CTLECH in the sg_flags word. This was incorrect, and has been changed to set/clear the LCTLECH bit in the local mode word.

The SRCRT #define has been removed. If IP_OPTIONS and IPPROTO_IP are defined on the system, then the source route code is automatically enabled.

The NO_GETTYTAB #define has been removed; there is a compatibility routine that can be built into libtelnet to achieve the same results.

The server, telnetd, has been switched to use getopt() for parsing the argument list.

The code for getting the input/output speeds via cfgetispeed()/cfgetospeed() was still not quite right in telnet. Posix says if the ispeed is 0, then it is really equal to the ospeed.

The suboption processing code in telnet now has explicit checks to make sure that we received the entire suboption (telnetd was already doing this).

The telnet code for processing the terminal type could cause a core dump if an existing connection was closed, and a new connection opened without exiting telnet.
Telnetd was doing a TCSADRAIN when setting the new terminal settings; This is not good, because it means that the tcsetattr() will hang waiting for output to drain, and telnetd is the only one that will drain the output... The fix is to use TCSANOW which does not wait.

Telnetd was improperly setting/clearing the ISTRIP flag in the c_iflag field, it should be using the c_iflag field.

When the child process of telnetd was opening the slave side of the pty, it was re-setting the EXTPROC bit too early, and some of the other initialization code was wiping it out. This would cause telnetd to go out of linemode and into single character mode.

One instance of leaving linemode in telnetd forgot to send a WILL ECHO to the client, the net result would be that the user would see double character echo.

If the MODE was being changed several times very quickly, telnetd could get out of sync with the state changes and the returning acks; and wind up being left in the wrong state.

September 14, 1990:

Switch the client to use getopt() for parsing the argument list. The 4.3Reno getopt.c is included for systems that don't have getopt().

Use the posix _POSIX_VDISABLE value for what value to use when disabling special characters. If this is undefined, it defaults to 0x3ff.

For non-termio systems, TIOCSETP was being used to change the state of the terminal. This causes the input queue to be flushed, which we don't want. This is now changed to TIOCSETN.

Take out the "#ifdef notdef" around the code in the server that generates a "sync" when the pty output is flushed. The potential problem is that some older telnet clients may go into an infinite loop when they receive a "sync", if so, the server can be compiled with "NO_URGENT" defined.
Fix the client where it was setting/clearing the OPOST bit in the c_lflag field, not the c_oflag field.

Fix the client where it was setting/clearing the ISTRIP bit in the c_lflag field, not the c_iflag field. (On 4.3Reno, this is the ECHOPRT bit in the c_lflag field.) The client also had its interpretation of WILL BINARY and DO BINARY reversed.

Fix a bug in client that would cause a core dump when attempting to remove the last environment variable.

In the client, there were a few places were switch() was being passed a character, and if it was a negative value, it could get sign extended, and not match the 8 bit case statements. The fix is to and the switch value with 0xff.

Add a couple more printoption() calls in the client. I don't think there are any more places were a telnet command can be received and not printed out when "options" is on.

A new flag has been added to the client, "-a". Currently, this just causes the USER name to be sent across, in the future this may be used to signify that automatic authentication is requested.

The USER variable is now only sent by the client if the "-a" or "-l user" options are explicity used, or if the user explicitly asks for the "USER" environment variable to be exported. In the server, if it receives the "USER" environment variable, it won't print out the banner message, so that only "Password:" will be printed. This makes the symantics more like rlogin, and should be more familiar to the user. (People are not used to getting a banner message, and then getting just a Password:" prompt.)

Re-vamp the code for starting up the child login process. The code was getting ugly, and it was hard to tell what was really going on. What we do now is after the fork(), in the child:
1) make sure we have no controlling tty
2) open and initialize the tty
3) do a setsid()/setpgrp()
4) makes the tty our controlling tty.
On some systems, #2 makes the tty our controlling tty, and #4 is a no-op. The parent process does a gets rid of any controlling tty after the child is fork(3)ed.

Use the strdup() library routine in telnet, instead of the local savestr() routine. If you don't have strdup(), you need to define NO_STRDUP.

Add support for ^T (SIGINFO/VSTATUS), found in the 4.3Reno distribution. This maps to the AYT character. You need a 4-line bugfix in the kernel to get this to work properly:

```c
> *** tty_pty.c.ORG Tue Sep 11 09:41:53 1990
> --- tty_pty.c Tue Sep 11 17:48:03 1990
> ***************
> *** 609,613 ****
> if ((tp->t_lflag&NOFLSH) == 0)
> ttyflush(tp, FREAD|FWRITE);
> ! pgsignal(tp->t_pgrp, *(unsigned int *)data);
> return(0);
> }
> --- 609,616 ----
> if ((tp->t_lflag&NOFLSH) == 0)
> ttyflush(tp, FREAD|FWRITE);
> ! pgsignal(tp->t_pgrp, *(unsigned int *)data, 1);
> ! if (*((unsigned int *)data == SIGINFO) &&
> ! ((tp->t_lflag&NOKERNINFO) == 0))
> ! ttyinfo(tp);
> return(0);
> }
```

The client is now smarter when setting the telnet escape character; it only sets it to one of VEOL and VEOL2 if one of them is undefined, and the other one is not already defined to the telnet escape character.

Handle TERMIOS systems that have separate input and output line speed settings imbedded in the flags.

Many other minor bug fixes.

June 20, 1990:
Re-organize makefiles and source tree. The telnet/Source directory is now gone, and all the source that was in telnet/Source is now just in the telnet directory.
Seperate makefile for each system are now gone. There are two makefiles, Makefile and Makefile.generic. The "Makefile" has the definitions for the various system, and "Makefile.generic" does all the work. There is a variable called "WHAT" that is used to specify what to make. For example, in the telnet directory, you might say:

make 4.4bsd WHAT=clean
to clean out the directory.

Add support for the ENVIRON and XDISPLOC options. In order for the server to work, login has to have the "-p" option to preserve environment variables.

Add the SOFT_TAB and LIT_ECHO modes in the LINEMODE support.

Add the "-l user" option to command line and open command (This is passed through the ENVIRON option).

Add the "-e" command line option, for setting the escape character.

Add the "-D", diagnostic, option to the server. This allows the server to print out debug information, which is very useful when trying to debug a telnet that doesn't have any debugging ability.

Turn off the literal next character when not in LINEMODE.

Don't recognize ^Y locally, just pass it through.

Make minor modifications for Sun4.0 and Sun4.1

Add support for both FORW1 and FORW2 characters. The telnet escape character is set to whichever of the two is not being used. If both are in use, the escape character is not set, so when in linemode the user will have to follow the escape character with a <CR> or <EOF) to get it passed through.

Commands can now be put in single and double quotes, and a backslash is now an escape character. This is needed for allowing arbitrary strings to be assigned to environment variables.

Switch telnetd to use macros like telnet for keeping track of the state of all the options.
Fix telnetd's processing of options so that we always do the right processing of the LINEMODE option, regardless of who initiates the request to turn it on. Also, make sure that if the other side went "WILL ECHO" in response to our "DO ECHO", that we send a "DONT ECHO" to get the option turned back off!

Fix the TERMIOS setting of the terminal speed to handle both BSD's separate fields, and the SYSV method of CBAUD bits.

Change how we deal with the other side refusing to enable an option. The sequence used to be: send DO option; receive WONT option; send DONT option. Now, the sequence is: send DO option; receive WONT option. Both should be valid according to the spec, but there has been at least one client implementation of telnet identified that can get really confused by this. (The exact sequence, from a trace on the server side, is (numbers are number of responses that we expect to get after that line...):

send WILL ECHO1 (initial request)
send WONT ECHO2 (server is changing state)
recv DO ECHO1 (first reply, ok. expect DONT ECHO next)
send WILL ECHO2 (server changes state again)
recv DONT ECHO1 (second reply, ok. expect DO ECHO next)
recv DONT ECHO0 (third reply, wrong answer. got DONT!!!)
***send WONT ECHO (send WONT to acknowledge the DONT)
send WILL ECHO1 (ask again to enable option)
recv DO ECHO0

recv DONT ECHO0
send WONT ECHO1
recv DONT ECHO0
recv DO ECHO1
send WILL ECHO0
(and the last 5 lines loop forever)

The line with the "***" is last of the WILL/DONT/WONT sequence.
The change to the server to not generate that makes this same example become:

send will ECHO1
send wont ECHO2
recv do ECHO1
send will ECHO2
recv dont ECHO1
recv dont ECHO0
recv do ECHO1

Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 47284
send will ECHO0

There is other option negotiation going on, and not sending
the third part changes some of the timings, but this specific
example no longer gets stuck in a loop. The "telnet.state"
file has been modified to reflect this change to the algorithm.

A bunch of miscellaneous bug fixes and changes to make
lint happier.

This version of telnet also has some KERBEROS stuff in
it. This has not been tested, it uses an un-authorized
telnet option number, and uses an out-of-date version
of the (still being defined) AUTHENTICATION option.
There is no support for this code, do not enable it.

March 1, 1990:
CHANGES/BUGFIXES SINCE LAST RELEASE:
Some support for IP TOS has been added. Requires that the
kernel support the IP_TOS socket option (currently this
is only in UNICOS 6.0).

Both telnet and telnetd now use the cc_t typedef. typedefs are
included for systems that don't have it (in termios.h).

SLC_SUSP was not supported properly before. It is now.

IAC EOF was not translated properly in telnetd for SYSV_TERMIO
when not in linemode. It now saves a copy of the VEOF character,
so that when ICANON is turned off and we can't trust it anymore
(because it is now the VMIN character) we use the saved value.

There were two missing "break" commands in the linemode
processing code in telnetd.

Telnetd wasn't setting the kernel window size information
properly. It was using the rows for both rows and columns...

Questions/comments go to
David Borman
Cray Research, Inc.
655F Lone Oak Drive
Eagan, MN 55123
dab@cray.com.

README: You are reading it.
Config.generic:
This file contains all the OS specific definitions. It
has pre-definitions for many common system types, and is
in standard makefile format. See the comments at the top
of the file for more information.

Config.local:
This is not part of the distribution, but if this file exists,
it is used instead of "Config.generic". This allows site
specific configuration without having to modify the distributed
"Config.generic" file.

kern.diff:
This file contains the diffs for the changes needed for the
kernel to support LINEMODE on the server. These changes are
for a 4.3BSD system. You may need to make some changes for
your particular system.

There is a new bit in the terminal state word, TS_EXTPROC.
When this bit is set, several aspects of the terminal driver
are disabled. Input line editing, character echo, and
mapping of signals are all disabled. This allows the telnetd
to turn off these functions when in linemode, but still keep
track of what state the user wants the terminal to be in.

New ioctl(s):
TIOCEXTTurn on/off the TS_EXTPROC bit
TIOCSTATEGet t_state of tty to look at TS_EXTPROC bit
TIOCSIGGenerate a signal to processes in the
current process group of the pty.

There is a new mode for packet driver, the TIOCPKT_IOCTL bit.
When packet mode is turned on in the pty, and the TS_EXTPROC
bit is set, then whenever the state of the pty is changed, the
next read on the master side of the pty will have the TIOCPKT_IOCTL
bit set, and the data will contain the following:
struct xx {
    struct sgttyb a;
    struct tchars b;
    struct ltchars c;
    int t_state;
    int t_flags;
}
This allows the process on the server side of the pty to know
when the state of the terminal has changed, and what the new
state is.
However, if you define USE_TERMIO or SYSV_TERMIO, the code will expect that the structure returned in the TIOCPKT_IOCTL is the termio/termios structure.

**stty.diff:**
This file contains the changes needed for the stty(1) program to report on the current status of the TS_EXTPROC bit. It also allows the user to turn on/off the TS_EXTPROC bit. This is useful because it allows the user to say "stty -extproc", and the LINEMODE option will be automatically disabled, and saying "stty extproc" will re-enable the LINEMODE option.

**telnet.state:**
Both the client and server have code in them to deal with option negotiation loops. The algorithm that is used is described in this file.

**telnet:**
This directory contains the client code. No kernel changes are needed to use this code.

**telnetd:**
This directory contains the server code. If LINEMODE or KLUDGELINEMODE are defined, then the kernel modifications listed above are needed.

**libtelnet:**
This directory contains code that is common to both the client and the server.

**arpa:**
This directory has a new <arpa/telnet.h>

**libtelnet/Makefile.4.4:**
**telnet/Makefile.4.4:**
**telnetd/Makefile.4.4:**
These are the makefiles that can be used on a 4.3Reno system when this software is installed in /usr/src/lib/libtelnet, /usr/src/libexec/telnetd, and /usr/src/usr.bin/telnet.

The following TELNET options are supported:

**LINEMODE:**
The LINEMODE option is supported as per RFC1116. The FORWARDMASK option is not currently supported.

**BINARY:** The client has the ability to turn on/off the BINARY option in each direction. Turning on BINARY from
server to client causes the LITOUT bit to get set in the terminal driver on both ends, turning on BINARY from the client to the server causes the PASS8 bit to get set in the terminal driver on both ends.

TERMINAL-TYPE:
This is supported as per RFC1091. On the server side, when a terminal type is received, termcap/terminfo is consulted to determine if it is a known terminal type. It keeps requesting terminal types until it gets one that it recognizes, or hits the end of the list. The server side looks up the entry in the termcap/terminfo data base, and generates a list of names which it then passes one at a time to each request for a terminal type, duplicating the last entry in the list before cycling back to the beginning.

NAWS:The Negotiate about Window Size, as per RFC 1073.

TERMINAL-SPEED:
Implemented as per RFC 1079

TOGGLE-FLOW-CONTROL:
Implemented as per RFC 1080

TIMING-MARK:
As per RFC 860

SGA:As per RFC 858

ECHO:As per RFC 857

LOGOUT: As per RFC 727

STATUS:
The server will send its current status upon request. It does not ask for the clients status. The client will request the servers current status from the "send getstatus" command.

ENVIRON:
This option is currently being defined by the IETF Telnet Working Group, and an RFC has not yet been issued, but should be in the near future...

X-DISPLAY-LOCATION:
This functionality can be done through the ENVIRON option, it is added here for completeness.
AUTHENTICATION:
This option is currently being defined by the IETF
Telnet Working Group, and an RFC has not yet been
issued. The basic framework is pretty much decided,
but the definitions for the specific authentication
schemes is still in a state of flux.

ENCRYPTION:
This option is currently being defined by the IETF
Telnet Working Group, and an RFC has not yet been
issued. The draft RFC is still in a state of flux,
so this code may change in the future.

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This kerberized popper was based on popper-1.831beta which was later announced as "official" and not beta.

This program is able to talk both the pop3 and the kpop3 protocol.

Please note that the server principal is pop.hostname and not rcmd.hostname. I.e. an additional entry is needed in your mailhub's /etc/srvtab. Use ksrvutil to add the extra principal.

The server is usually started from inetd and there is already an entry for that in inetd.conf.changes.

Note on ksu
------------
This program is not installed setuid root by default. If you want to install it setuid root, then you can override the package permissions with:

dpkg-statoverride --update --add root root 4755 /usr/bin/ksu

Note on ipropd and/or hpropd
------------------------------
The following entries may be required in your /etc/services file (see bug #139845):

krb_prop  754/tcp  # Kerberos slave propagation
iprop  2121/tcp  # incremental propagation

Note on kerberos.8 man page
-----------------------------
This man page is not currently included due to conflict with kerberos4kth-kdc package. For more information on Kerberos, see:

Installing heimdal for Debian
---------------------------------
(Note: if you do not have a krb4 KDC, you may need to include "krb4_get_tickets = no" in the [libdefaults] section of kdc.conf; otherwise kinit will complain with an error).

Things you will have to do manually (see info documentation for details):

On KDC:
1. Add administrator keys using kadmin.

For example:
# kadmin -l
kadmin> add bam/admin
Max ticket life [unlimited]:
Max renewable life [unlimited]:
Principal expiration time [never]:
Password expiration time [never]:
Attributes []:
bam/admin@CHOCBIT.ORG.AU's Password:
Verifying password - bam/admin@CHOCBIT.ORG.AU's Password:

2. Add kadmin/admin key to KDC:

For example:
# kadmin -l
kadmin> add -r kadmin/admin@CHOCBIT.ORG.AU
Max ticket life [unlimited]:
Max renewable life [unlimited]:
Principal expiration time [never]:
Password expiration time [never]:
Attributes []:

(note: this key doesn't need to be extracted).

3. Enable remote administration by creating /etc/heimdal-kdc/kadmind.acl

For example:
echo 'bam/admin@CHOCBIT.ORG.AU all' > /etc/heimdal-kdc/kadmind.acl

4. Test.

For example:
# kadmin -p bam/admin
bam/admin@CHOCBIT.ORG.AU's Password:
kadmin> list *
[should list all keys]

5. Add user keys

For example:
# kadmin -p bam/admin
bam/admin@CHOCBIT.ORG.AU's Password:
kadmin> add bam

On other computers:
1. If you installed heimdal-clients-x or heimdal-servers-x,
then you will need to add the following entry to /etc/services
kx 2111/tcp   # X over kerberos
(check to make sure this doesn't already exist).
2. edit /etc/krb5.conf
3. setup secret keys each computer, using kadmin and/or ktutil.

For example, on remote computer dewey.chocbit.org.au:
bam/admin@CHOCBIT.ORG.AU's Password:
kadmin> add -r host/dewey.chocbit.org.au

 [...] 
kadmin> ext host/dewey.chocbit.org.au

 [...] 
kadmin> ext ftp/dewey.chocbit.org.au

The ext command extracts keys to /etc/krb5.keytab, where they can be inspected with the "ktutil list" command at the shell prompt.

Tell me if any files conflict with any other package - do not try to force the package to install, otherwise things may break...
In general, this package conflicts with kerberos4kth and probably MIT Kerberos (not packaged as of potato). Local installations under /usr/local should be OK.

Changes from upstream source:
1. popper checks for $HOME/Maildir, $HOME/Mailbox and /var/spool/mail/<user> in that order.
2. /var/lib/heimdal-kdc used instead of /var/heimdal
3. /usr/bin/login moved to /usr/lib/heimdal-servers
4. /usr/lib/heimdal-servers used instead of /usr/libexec
5. telnet and ftp have been renamed to ktelnet and kftp, and use the update-alternatives mechanism. In the future, this should allow heimdal-clients to exist at the same time as telnet-ssl.
6. kdc config files kdc.conf and kadmind.acl stored in /etc/heimdal-kdc instead of /usr/lib/heimdal-servers.

Automatically creating users
-------------------------------
Option #1: Use perl glue found at <ftp://ftp.su.se/pub/users/leifj/Heimdal-Kadm5-0.04.tar.gz>

Option #2: cat kadmin-commands | kadmin

For more details, see <http://bugs.debian.org/276402>.

-- Brian May <bam@debian.org>, Wed, 8 Dec 1999 11:54:13 +1100

-- in order of preference
- client: support KRB5_PADATA_ENCRYPTED_CHALLENGE in lib/krb5/init_creds_pw.c
- client: don't support ENC-TS in FAST

- client: plugin support for fast plugins

- kdc: plugin support for fast plugins
  partly done with "struct kdc_patypes"

- kcm: support FAST armor ticket
  -- using PK-INIT anonymous
  -- using host key

- client: tgs-req fast support
- kdc: tgs-req fast support

This package was debianized by Brian May <bam@snoopy.apana.org.au> on Wed, 8 Dec 1999 11:54:13 +1100.

It was downloaded from http://www.pdc.kth.se/heimdal/

Upstream Authors: heimdal-bugs@pdc.kth.se
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RFCs in lib/wind:

rfc3454.txt has been stripped of content, only the tables remain.

rfc3490.txt, rfc3491.txt, rfc4013.txt, rfc4518.txt have been removed.

rfc3492.txt contains the following license:
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This is a set of patches and files to get a DFS ticket from a k5 ticket. This code comes from Doug Engert, Argonne Nat. Lab (See dce/README.original for more info)

The files in dce are;

testpag: for testing if this is at all possible.
k5dfspag: included in libkrb5
k5dcecon: Creates (or searches for) the actual DFSPAG ticketfile.
dpagaix: An AIX syscall stub.

README.original: Original README file from Doug Engert

Certain applications (rshd/telnetd) have been patched to call the functions in k5dfspag when the situation is right. They are ifdef with DCE. The patches are also originally from Doug but they where against MIT krb5 code and have been merged into heimdal by me. I will try to fix ftpd soon...

There is also an ifdefs for DCE && AIX that can be used to make AIX use DCE for getting group/passwd entries. This is needed if one is running with a bare bones passwd/group file and AUTHSTATE set to DCE (This will be more or less clear to people doing this...) I have forced this on for now.

k5dfspag.c is in lib/krb5
k5dfspag.c is dependent on DCE only.
It is also POSIX systems only. There are defines for the location of k5dcecon and dpagaix that needs a correct configure setting.

k5dcecon needs no special things for the compile except whatever is needed on the target system to compile dce programs.
(On aix the dce compile flags are: -D_THREAD_SAFE -D_AIX32_THREADS=1 -D_AIX41 -D_AES_SOURCE or one can use xlc_r4 if it is version 3.6.4 or later)

k5dcecon wants the following libs (on aix 4.3):
-ldce (and setenv from somewhere)

dpagaix is only needed on AIX (see k5dfspag.c).
dpagaix needs dfspag.exp and is linked with
ld -edpagaix -o dpagaix dpagaix.o dfspag.exp
Hope to get this into heimdal soon :-) although I know that you will have to change some things to get it cleanly into configure. Since I don't know the structure of the code (heimdal), nor enough of configure, good enough I just won't try it myself.

One more thing, to get this to work one has to put fcache_version = x in krb5.conf where x = whatever the DCE implementation understands, (usually 1 or 2).
Thanks for adding that...

"ke Sandgren (ake@hpc2n.umu.se)
HPC2N
Ume" University
Sweden

PS
I have now added patches for configure.in and some Makefile.am's to get this all cleanly (I hope) into heimdal.

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Fortuna in libhcrypto

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AES in libhcrypto

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>
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kdc/announce.c

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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.

(GENie : OUTER; CIS : [71755,204]) Graven Imagery, 1992.

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Windows support

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lib/hcrypto/test_dh.c

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Python was created in the early 1990s by Guido van Rossum at Stichting
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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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#### xwd utility

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Nori Korean Morphological Analyzer - Apache Lucene Integration
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This software includes a binary and/or source version of data from

mecab-ko-dic-2.0.3-20170922

which can be obtained from

https://bitbucket.org/eunjeon/mecab-ko-dic/downloads/mecab-ko-dic-2.0.3-20170922.tar.gz

1.4532 joda-time 2.10.1
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1.4533 python-pyasn1 0.4.2-3

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Metadata-Version: 1.1
Name: pyasn1
Version: 0.4.2
Summary: ASN.1 types and codecs
Home-page: https://github.com/etingof/pyasn1
Author: Ilya Etingof <etingof@gmail.com>
Author-email: etingof@gmail.com
License: BSD
Description: Pure-Python implementation of ASN.1 types and DER/Ber/CER codecs (X.208)
Platform: any
Classifier: Development Status :: 5 - Production/Stable
Classifier: Environment :: Console
Classifier: Intended Audience :: Developers
Classifier: Intended Audience :: Education
Classifier: Intended Audience :: Information Technology
Classifier: Intended Audience :: System Administrators
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Classifier: Programming Language :: Python :: 2.4
Classifier: Programming Language :: Python :: 2.5
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Classifier: Programming Language :: Python :: 3
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ASN.1 library for Python

========================

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: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/protobuf>`_ 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 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::
   :maxdepth: 2

/example-use-case

Download & Install
------------------

.. toctree::
   :maxdepth: 2

/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::
   :maxdepth: 1

/changelog

License
-------

The PyASN1 software is distributed under 2-clause BSD License.

.. toctree::
   :maxdepth: 2

/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:
by Burton S. Kaliski

If you are working with ASN.1, we'd highly recommend reading a proper book on the subject.

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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)
by Olivier Dubuisson is one of those high quality books freely
available on the Internet.

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(0).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`):

```python
>>> record = Record()
>>> record['id'] = 123
>>> record['room'] = 321
>>> str(record)
Record:
 id=123
  room=321
```

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
>>> received_record == record
True
>>> received_record.update(room=123)
>>> substrate = encode(received_record)
>>> hexdump(substrate)
00000: 30 06 02 01 7B 80 02 01 41
```

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
>>> from pyasn1.codec.native.encoder import encode
>>> encode(record)
{'id': 123, 'room': 321, 'house': 0}
```

Or vice-versa -- you can initialize an ASN.1 structure from a tree of
Python objects:

```python
>>> from pyasn1.codec.native.decoder import decode
>>> record = decode({'id': 123, 'room': 321, 'house': 0}, asn1Spec=Record())
>>> str(record)
Record:
id=123
room=321
```

With ASN.1 design, serialisation codecs are decoupled from data objects,
so you could turn every single ASN.1 object into many different
serialised forms. As of this moment, `pyasn1` supports BER, DER, CER and
Python built-ins codecs. The extremely compact PER encoding is expected
to be introduced in the upcoming `pyasn1` release.

More information on `pyasn1` APIs can be found in the
[documentation](http://snmplabs.com/pyasn1/),
compiled ASN.1 modules for different protocols and file formats
could be found in the `pyasn1-modules`
[repo](https://github.com/etingof/pyasn1-modules).

How to get `pyasn1`

-------------

The `pyasn1` package is distributed under terms and conditions of 2-clause
BSD [license](http://snmplabs.com/pyasn1/license.html). Source code is freely
available as a GitHub [repo](https://github.com/etingof/pyasn1).

You could `pip install pyasn1` or download it from [PyPI](https://pypi.python.org/pypi/pyasn1).

If something does not work as expected,
[open an issue](https://github.com/etingof/pyasn1/issues) at GitHub or
post your question [on Stack Overflow](http://stackoverflow.com/questions/ask)
or try browsing `pyasn1`
1.4534 libkmod 22 1ubuntu5

1.4534.1 Available under license:

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Version 2.1, February 1999

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It has been packaged by Marco d'Itri <md@linux.it>.

Original sources were obtained from:
http://www.kernel.org/pub/linux/utils/kernel/kmod/
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 47487

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1.4535 python 3.5.1-3
1.4535.1 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. Breuntrup <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

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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py3compile, py3clean and debpython module:

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1.4536 oauthlib 3.0.2

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1.4537 libquadmath 6.3.0-18+deb9u1

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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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.

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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 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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DRuntime: Runtime Library for the D Programming Language

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1.4538 jackson-core 2.9.8

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1.4539 babel 2.9.0

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1.4540 multi-json 1.15.0

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1.4541 slf4j-api 1.7.5
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1.4542 read-pkg 2.0.0
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1.4543 krblocales 1.13.2+dfsg-5

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

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
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kproplog.c

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-- vile: txtmode file-encoding=utf-8

1.4551 libncurses 6.0+20160213 1ubuntu1

1.4551.1 Available under license :
Upstream source http://invisible-island.net/ncurses/ncurses-examples.html

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

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Upstream source http://invisible-island.net/ncurses/ncurses.html
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-- $Id: COPYING,v 1.4 2016/01/02 20:24:37 tom Exp $
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Current versions of the ncurses sources are found at ftp://invisible-island.net/ncurses/.
It is based somewhat on work done by Bruce Perens <Bruce@Pixar.com>,
David Engel <david@elo.ods.com>, Michael Alan Dorman
<mdorman@debian.org>, Richard Braakman <dark@xs4all.nl>, James Troup
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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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1.4578 @babel/helper-replace-supers 7.3.4
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1.4582 pycrypto 2.6.1
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Last updated: 2009-02-28

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=== EOF ===

1.4583 maglev-common 1.7.25
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Metadata-Version: 2.0
Name: maglev-common
Version: 1.7.25
Summary: Maglev Common (1.7.25)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: PyYAML (==3.12)
Requires-Dist: dnspython (==1.16.0)
Requires-Dist: ipcalc (==1.99.0)
Requires-Dist: kubernetes (==10.0.0)
Requires-Dist: maglev-api (~=1.7.0)
Requires-Dist: maglev-appserver (~=1.8.0)
Requires-Dist: monotonic (==1.1)
Requires-Dist: pykube (==0.15.0)
Requires-Dist: python-etcld (==0.4.5)
Requires-Dist: rsa (==4.5)

# Installation
+ Requires : Python 3.5 download the dmg and install, use pyenv to create a virtual environment

Found in path(s):
* /opt/cola/permits/1175808365_1624494722.67/0/maglev-common-1-7-25-dist-info-
    zip/inputdir/packages_extracted/targz/1/packages_extracted/3/packages_extracted/3/packages_extracted/48/maglev_common-1.7.25.dist-info/METADATA

1.4584 pug-attrs 2.0.3
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* /opt/cola/permits/1112206721_1607051600.53/0/webpack-source-list-map-v2-0-0-0-g572d510-tar-gz/webpack-source-list-map-d2cadd4/lib/base64-vlq.js
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1.4586 pyasn1-modules 0.2.5

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1.4587 intel-microcode
3.20201110.0ubuntu0.18.04.2
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1.4590 python-dateutil 2.8.0

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1.4592 liblzma 5.2.2-1.2+b1

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==================

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1.4602 jersey-container-servlet-core 2.27

1.4603 socat 1.7.3.2 2ubuntu2

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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
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with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at
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specified in Subsection 6a, above, for a charge no more
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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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Mersenne Twister

The `_random` module includes code based on a download from `http://www.math.keio.ac.jp/~matumoto/MT2002/emt19937ar.html`. The following are the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
or init_by_array(init_key, key_length).

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Any feedback is very welcome.
http://www.math.keio.ac.jp/matumoto/emt.html
email: matumoto@math.keio.ac.jp

Sockets
-------

The `socket' module uses the functions, `getaddrinfo', and `getnameinfo', which are coded in separate source files from the WIDE Project, `http://www.wide.ad.jp/about/index.html'.

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- Use binascii module to do the actual line-by-line conversion
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- Arguments more compliant with python standard

XML Remote Procedure Calls

--------------------------

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-------

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1.4613 ncurses-base 6.0+20160213-1ubuntu1
1.4613.1 Available under license:
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-- vile:txtmode fc=72
-- $Id: COPYING,v 1.4 2016/01/02 20:24:37 tom Exp $
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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
",
+                           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 */
+    retval = display_legal(pamh);
+    return retval;
+
} This package was debianized by J.H.M. Dassen (Ray) jdassen@debian.org on Wed, 23 Sep 1998 20:29:32 +0200.

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1.4616 @babel/parser 7.1.3

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1.4617 asm 5.0.3
1.4618 tapable 1.1.0

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1.4619 curl 7.76.1-r0

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1.4620 busybox-initramfs 1:1.27.2 2ubuntu3.3

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jseward@bzip.org
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Initialize empty image
f1c9645dcb14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57c721e38d1266c2df055067c18f2cf9 bsd.img

---layout--------
Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>

Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout--------
Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>

Device Boot Start End Sectors Size Id Type
<removed>1 2048 4095 2048 1M 83 Linux

-------------------
Create 2st primary partition
1bebf87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8dff51a88a045db233418dd73fbe bsd.img

---layout--------
Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>

Device Boot Start End Sectors Size Id Type
<removed>1 2048 4095 2048 1M 83 Linux
<removed>2 4096 20479 16384 8M a5 FreeBSD

-------------------
Create default BSD
2e1cee529cb59c9341afe0443f196a1 bsd.img

---layout--------
Welcome to fdisk <removed>.
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.
Command (m for help): Disk <removed>2: 10 MiB, 10485760 bytes, 20480 sectors
Geometry: 255 heads, 63 sectors/track, 1 cylinders
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: bsd

Slice Start   End Sectors  Size Type     Fsize Bsize Cpg
  c  4096  20479    16384   8M unused       0     0   0
  d  0    16064    16065   7.9M unused       0     0   0

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):

-------------------

Welcome to fdisk <removed>.
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help): Disk <removed>2: 10 MiB, 10485760 bytes, 20480 sectors
Geometry: 255 heads, 63 sectors/track, 1 cylinders
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: bsd

Slice Start   End Sectors  Size Type     Fsize Bsize Cpg
  a  4096  6144    2049   1M 4.2BSD       0     0   0
  c  4096  20479   16384   8M unused       0     0   0
  d  0    16064   16065   7.9M unused       0     0   0

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):

-------------------
Changes will remain in memory only, until you decide to write them. Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help):
0 unused 5 4.1BSD 9 4.4LFS d boot
1 swap 6 Eighth Edition a unknown e ADOS
2 Version 6 7 4.2BSD b HPFS f HFS
3 Version 7 8 MS-DOS c ISO-9660 10 AdvFS
4 System V

Command (m for help):
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Metadata-Version: 2.0
Name: maglev-appserver
Version: 1.5.1.3073
Summary: Maglev Python AppServer(1.5.1.3073)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: MarkupSafe (==1.0)
Requires-Dist: aiohttp (==2.2.5)
Requires-Dist: aiohttp-swagger (==1.0.4)
Requires-Dist: async-timeout (==1.4.0)
Requires-Dist: chardet (==3.0.4)
Requires-Dist: coverage (==4.2)
Requires-Dist: influxdb (==3.0.0)
Requires-Dist: jaeger-client (==3.7.1)
Requires-Dist: jsonschema (==2.5.1)
Requires-Dist: motor (==1.1)
Requires-Dist: objgraph (==3.1.0)
Requires-Dist: opentracing (==1.2.2)
Requires-Dist: opentracing-instrumentation (==2.4.0)
Requires-Dist: pika (==0.10.0)
Requires-Dist: py-zipkin (==0.4.4)
Requires-Dist: pyJwt (==1.4.0)
Requires-Dist: pyformance (==0.3.4)
Requires-Dist: pymongo (==3.4.0)
Requires-Dist: python-json-logger (==0.1.5)
Requires-Dist: requests (==2.13.0)
Requires-Dist: toml (==0.9.2)
Requires-Dist: tornado (==4.5.3)
Requires-Dist: uvloop (==0.7.0)
# Installation
+ Requires: Python 3.5 download the dmg and install, use pyenv to create a virtual environment

# How to test and develop in local mac
- Use pyenv to create a virtual env in /opt/maglev
- u can either call the activate script to activate the virtualenv

Found in path(s):
* /opt/cola/permits/1127087589_1612331745.93/0/maglev-appserver-1.5.1.3073.dist-info-
  zip/inputdir/packages_extracted/tar/1/packages_extracted/65/packages_extracted/opt/maglev/lib/python3.5/site-
  packages/maglev_appserver-1.5.1.3073.dist-info/METADATA

1.4627 kibana 1.0.0
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1.4628 nimbus-jose-jwt 7.9

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  jar/io/netty/handler/ssl/OpenSsl.java
* /opt/cola/permits/1120583719_1615570920.18/0/netty-handler-4-0-37-final-sources-
  jar/io/netty/handler/ssl/OpenSslServerSessionContext.java
* /opt/cola/permits/1120583719_1615570920.18/0/netty-handler-4-0-37-final-sources-
  jar/io/netty/handler/ssl/JdkDefaultApplicationProtocolNegotiator.java
* /opt/cola/permits/1120583719_1615570920.18/0/netty-handler-4-0-37-final-sources-
  jar/io/netty/handler/ssl/SslParametersUtils.java
* /opt/cola/permits/1120583719_1615570920.18/0/netty-handler-4-0-37-final-sources-
  jar/io/netty/handler/ssl/ApplicationProtocolNegotiator.java
* /opt/cola/permits/1120583719_1615570920.18/0/netty-handler-4-0-37-final-sources-
jar/io.netty.handler.ssl/OpenSslNpnApplicationProtocolNegotiator.java
* /opt/cola/permits/1120583719_1615570920.18/0/netty-handler-4-0-37-final-sources-
jar/io.netty.handler.ssl/JdkBaseApplicationProtocolNegotiator.java
* /opt/cola/permits/1120583719_1615570920.18/0/netty-handler-4-0-37-final-sources-
jar/io.netty.handler.ssl/util/BouncyCastleSelfSignedCertGenerator.java
* /opt/cola/permits/1120583719_1615570920.18/0/netty-handler-4-0-37-final-sources-
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* /opt/cola/permits/1120583719_1615570920.18/0/netty-handler-4-0-37-final-sources-
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* /opt/cola/permits/1120583719_1615570920.18/0/netty-handler-4-0-37-final-sources-
jar/io.netty.handler.ssl/GlobalChannelTrafficCounter.java
* /opt/cola/permits/1120583719_1615570920.18/0/netty-handler-4-0-37-final-sources-
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* /opt/cola/permits/1120583719_1615570920.18/0/netty-handler-4-0-37-final-sources-
jar/io.netty.handler.ssl/util/OpenJdkSelfSignedCertGenerator.java
* /opt/cola/permits/1120583719_1615570920.18/0/netty-handler-4-0-37-final-sources-
jar/io.netty.handler.ssl/SupportedCipherSuiteFilter.java
* /opt/cola/permits/1120583719_1615570920.18/0/netty-handler-4-0-37-final-sources-
jar/io.netty.handler.ssl/OpenSslEngine.java
* /opt/cola/permits/1120583719_1615570920.18/0/netty-handler-4-0-37-final-sources-
jar/io.netty.handler.ipfilter/IPFilterRuleType.java
* /opt/cola/permits/1120583719_1615570920.18/0/netty-handler-4-0-37-final-sources-
jar/io.netty.handler.ssl/SslContext.java
* /opt/cola/permits/1120583719_1615570920.18/0/netty-handler-4-0-37-final-sources-
jar/io.netty.handler.ssl/IdentityCipherSuiteFilter.java

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* /opt/cola/permits/1120583719_1615570920.18/0/netty-handler-4-0-37-final-sources-
jar/io/netty/handler/ssl/SslHandshakeCompletionEvent.java
1.4632 moment 2.15.0

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1.4638 libasan 4.9.2-10+deb8u2
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functions (ten lines or less in length), then the use of the object
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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood. Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code.
Jesper Peterson (jep@mtiame.mtia.oz.au), Michel Schinz, and
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.
Thomas Funke (thf@zelator.in-berlin.de(?)) and
Brian D. Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dossor provided Alpha/OSF/1 code. He and
Dave Detlefs (detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks (agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports.
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to
a Motorola 88K processor running CX/UX (Harris NightHawk).
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to
nonIBM development environments (a nontrivial task).
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.
David Chase, then at Olivetti Research, suggested several improvements.
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the
code to save and print call stacks for leak detection on a SPARC.
Jesse Hull and John Ellis supplied the C++ interface code.
Zhong Shao performed much of the experimentation that led to the
current typed allocation facility. (His dynamic type inference code hasn't
made it into the released version of the collector, yet.)

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* m4/ax_func_which_gethostbyname_r.m4

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Metadata-Version: 2.1
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Version: 2.1.0.9003252
Summary: Grapevine Python SDK (2.1.0.9003252.dev1076-g168f6df)
Home-page: http://www.cisco.com
Author: Daniel Khoe
Author-email: dakhoe@cisco.com
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Platform: UNKNOWN
Requires-Dist: pyzmq (>=14.1.1)

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Found in path(s):
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zip/inputdir/packages_extracted/tar/1/packages_extracted/6/packages_extracted/6/packages_extracted/22/grapevine_sdk-2.1.0.9003252.dist-info/METADATA

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## ms 0.7.2

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1.4656 unique-slug 2.0.1

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1.4657 libcurl 7.38.0-4+deb8u11

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License Mixing with apps, libcurl and Third Party Libraries

=====================================================================

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[1]-licensed code is not allowed to be linked with code licensed under the Original BSD license (with the announcement clause). You may still build your own copies that use them all, but
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libcurl http://curl.haxx.se/docs/copyright.html

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axTLS http://axtls.sourceforge.net/

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c-ares http://daniel.haxx.se/projects/c-ares/license.html
(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** [http://www.gzip.org/zlib/zlib_license.html](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**

While nothing in particular says that a Kerberos4 library must use any particular license, the one I've tried and used successfully so far (kth-krb4) is partly Original BSD-licensed with the announcement clause. Some of the code in libcurl that is written to deal with Kerberos4 is Modified BSD-licensed.


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(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 http://www.libssh2.org/

(Used for scp and sftp support) libssh2 uses a Modified BSD-style license.

[2] = http://www.fsf.org/licenses/gpl-faq.html#GPLIncompatibleLibs details on how to write such an exception to the GPL

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1.4658 jline 0.9.94

1.4659 iniconfig 1.1.1
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1.4660 attr 2.4.48-3.el8

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Version 2.1, February 1999

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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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Mortbay

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1.4680 unbox-primitive 1.0.1
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1.4681 libncursesdev 6.1+20181013-2+deb10u1
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Current versions of the ncurses sources are found at ftp://invisible-island.net/ncurses/.

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1.4682 create-error-class 3.0.2

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1.4683 six 1.11.0

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1.4684 oauthlib 2.0.2

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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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
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therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
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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.
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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
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 Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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produce the work, or an object code interpreter used to run it.

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@enumerate a
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@enumerate
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@item
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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.

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Preamble

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<td>mach_override</td>
<td>lib/interception/mach_override</td>
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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

------------------------------------------------------------------
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1.4711 python3-certifi 2018.1.18 2
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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:
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AES in libhcrypto

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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>
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1.4721 cgi 0.1.0

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1.4722 d3-timer 1.0.9

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This is the Debian package of a Python PAM module.

This package was put together by Gregor Hoffleit <flight@debian.org>, from sources obtained from


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/**
* Returns an array containing all of the elements in this deque, in
* proper sequence (from first to last element).
*
* <p>The returned array will be "safe" in that no references to it are
* maintained by this deque. (In other words, this method must allocate
* a new array). The caller is thus free to modify the returned array.
* 
* <p>This method acts as bridge between array-based and collection-based
* APIs.
* 
* @return an array containing all of the elements in this deque
*/

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* /opt/ws_local/PERMITS_SQL/1084247307_1598436429.19/0/mongodb-driver-core-3-12-4-sources-jar/com/mongodb/internal/connection/ConcurrentLinkedDeque.java

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* https://github.com/marianobarrios/tls-channel
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 * https://github.com/marianobarrios/tls-channel
 */

/**
 * Writes a sequence of bytesProduced to this channel from a subsequence of the
 * given buffers.
 *
 * <p>
 * See {@link GatheringByteChannel#write(ByteBuffer[], int, int)} for more
 * details of the meaning of this signature.
 *
 * <p>
 * This method behaves slightly different than the interface specification,
 * with respect to non-blocking responses, see {@link #write(ByteBuffer)}
 * for more details.
 *
 * @param srcs   The buffers from which bytesProduced are to be retrieved
 *
 * @param offset The offset within the buffer array of the first buffer from
 * which bytesProduced are to be retrieved; must be non-negative and no
 * larger than <tt>srcs.length</tt>
 *
 * @param length The maximum number of buffers to be accessed; must be
 * non-negative and no larger than <tt>srcs.length</tt>
 *
 * @return The number of bytesProduced written, contrary to the behavior specified
 * in {@link ByteChannel}, this method never returns 0, but throws
 *
 *     { @link IndexOutOfBoundsException } If the preconditions on the <tt>offset</tt> and
 *     <tt>length</tt> parameters do not hold
 *
 *     { @link WouldBlockException } if the channel is in non-blocking mode and the IO operation
 */
* cannot be completed immediately
* @throws NeedsTaskException if the channel is not configured to run tasks automatically
* and a task needs to be executed to complete the operation
* @throws SSLException if the { @link SSLEngine} throws a SSLException
* @throws IOException if the underlying channel throws an IOException
* /

/**
* Reads a sequence of bytesProduced from this channel into a subsequence of the
* given buffers.
* *
* @param dsts   The buffers into which bytesProduced are to be transferred
* @param offset The offset within the buffer array of the first buffer into
* which bytesProduced are to be transferred; must be non-negative and no
* larger than <tt>dsts.length</tt>
* @param length The maximum number of buffers to be accessed; must be
* non-negative and no larger than <tt>dsts.length</tt>
* @return The number of bytesProduced read, or <tt>-1</tt> if the channel has
* reached end-of-stream; contrary to the behavior specified in
* [ @link ByteChannel], this method never returns 0, but throws
* [ @link WouldBlockException]
* @throws IndexOutOfBoundsException If the preconditions on the <tt>offset</tt> and
* <tt>length</tt> parameters do not hold
* @throws WouldBlockException if the channel is in non-blocking mode and the IO operation
* cannot be completed immediately
* @throws NeedsTaskException if the channel is not configured to run tasks automatically
* and a task needs to be executed to complete the operation
* @throws SSLException if the { @link SSLEngine} throws a SSLException
* @throws IOException if the underlying channel throws an IOException
* */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1084247307_1598436429.19/0/mongodb-driver-core-3-12-4-sources-jar/com/mongodb/internal/connection/tlschannel/TlsChannel.java
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* /opt/ws_local/PERMITS_SQL/1084247307_1598436429.19/0/mongodb-driver-core-3-12-4-sources-jar/com/mongodb/annotations/NotThreadSafe.java
* /opt/ws_local/PERMITS_SQL/1084247307_1598436429.19/0/mongodb-driver-core-3-12-4-sources-jar/com/mongodb/annotations/Immutable.java
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* /opt/ws_local/PERMITS_SQL/1084247307_1598436429.19/0/mongodb-driver-core-3-12-4-sources-jar/com/mongodb/operation/OperationReadConcernHelper.java
* /opt/ws_local/PERMITS_SQL/1084247307_1598436429.19/0/mongodb-driver-core-3-12-4-sources-jar/com/mongodb/internal/connection/ReadConcernHelper.java
* /opt/ws_local/PERMITS_SQL/1084247307_1598436429.19/0/mongodb-driver-core-3-12-4-sources-jar/com/mongodb/lang/package-info.java
* /opt/ws_local/PERMITS_SQL/1084247307_1598436429.19/0/mongodb-driver-core-3-12-4-sources-jar/com/mongodb/operation/AbortTransactionOperation.java
* /opt/ws_local/PERMITS_SQL/1084247307_1598436429.19/0/mongodb-driver-core-3-12-4-sources-jar/com/mongodb/internal/operation/WriteConcernHelper.java
* /opt/ws_local/PERMITS_SQL/1084247307_1598436429.19/0/mongodb-driver-core-3-12-4-sources-jar/com/mongodb/operation/CommitTransactionOperation.java
* /opt/ws_local/PERMITS_SQL/1084247307_1598436429.19/0/mongodb-driver-core-3-12-4-sources-jar/com/mongodb/lang/NonNull.java
* /opt/ws_local/PERMITS_SQL/1084247307_1598436429.19/0/mongodb-driver-core-3-12-4-sources-
1.4728 react-virtualized 9.20.1

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1.4729 @babel/helper-function-name 7.1.0

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1.4730 python3-wheel 0.30.0-0.2
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1.4731 dosfs-tools 4.1.1

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Upstream-Name: dosfstools
Upstream-Contact: Andreas Bombe <aeb@debian.org>
Source: https://github.com/dosfstools/dosfstools

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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.
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"Source code" for a work means the preferred form of the work for 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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   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 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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Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.
If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

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The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

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d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

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b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

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1.4740 babel-plugin-transform-react-jsx 6.24.1
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1.4741 form-data 2.3.2

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1.4742 jnr-ffi 2.0.7

1.4743 cachetools 4.0.0

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1.4744 xinetd 1:2.3.15-3

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1.4745 lucene-spatial-extras 7.3.1

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were developed by Martin Porter and Richard Boulton.

The snowball stopword lists in  
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were developed by Martin Porter and Richard Boulton.

The full snowball package is available from  
[http://snowball.tartarus.org/](http://snowball.tartarus.org/)

The KStem stemmer in  
was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst)  
under the BSD-license.

The Arabic,Persian,Romanian,Bulgarian, Hindi and Bengali analyzers (common) come with a default stopword list that is BSD-licensed created by Jacques Savoy.  These files reside in:  
[analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt](http://analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt),  
[analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt](http://analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt),  
[analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt](http://analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt),  
[analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt](http://analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt),  
[analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt](http://analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt),  
[analysis/common/src/resources/org/apache/lucene/analysis/bn/stopwords.txt](http://analysis/common/src/resources/org/apache/lucene/analysis/bn/stopwords.txt)  
See [http://members.unine.ch/jacques.savoy/clef/index.html](http://members.unine.ch/jacques.savoy/clef/index.html).

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers (common) are based on BSD-licensed reference implementations created by Jacques Savoy and Ljiljana Dolamic. These files reside in:  
[analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java](http://analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java),  
[analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java](http://analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java),  
[analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java](http://analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java),  
[analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java](http://analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java),  
[analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java](http://analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java)
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1.4749 engine.io-client 1.8.5

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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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1.4764 @babel/template 7.2.2

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1.4767 extsprintf 1.4.0

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1.4771 builtin-modules 1.1.1

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### 1.4774 kbn-pm 1.0.0

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1.4776 libc-dev 2.23 0ubuntu11.2

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Description: Don't warn for _BSD_SOURCE || _SVID_SOURCE, drop post-vivid
Author: Adam Conrad <adconrad@ubuntu.com>

--- glibc-2.21.orig/include/features.h
+++ glibc-2.21/include/features.h
@@ -145,7 +145,10 @@
 transitioned to use the new macro. */
 #if (defined _BSD_SOURCE || defined _SVID_SOURCE) \
 & & !defined _DEFAULT_SOURCE
+/* Don't #warn about _BSD_SOURCE || _SVID_SOURCE, as it breaks -Werror + and we don't have time to check/fix everything before vivid release 
 # warning " _BSD_SOURCE and _SVID_SOURCE are deprecated, use _DEFAULT_SOURCE"
+*/
 # undef _DEFAULT_SOURCE
 # define _DEFAULT_SOURCE1
 #endif

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#require unix-permissions no-root

$ hg init a
$ cd a
$ echo foo > b
$ hg add b
$ hg ci -m "b"
$ chmod -w .hg/store

$ cd ..

$ hg clone a b
requesting all changes
adding changesets
adding manifests
adding file changes
added 1 changesets with 1 changes to 1 files
new changesets 97310831fa1a
updating to branch default
1 files updated, 0 files merged, 0 files removed, 0 files unresolved

$ chmod +w a/.hg/store # let test clean up

$ cd b
$ hg verify
checking changesets
checking manifests
crosschecking files in changesets and manifests
checking files
checked 1 changesets with 1 changes to 1 files

$ cd ..
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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
-----

**OW2**

The following artifacts are licensed by the OW2 Foundation according to the terms of [http://asm.ow2.org/license.html](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](https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html)

```
org.eclipse.jetty.toolchain:jetty-schemas
```
The UnixCrypt.java code implements the one way cryptography used by
Unix systems for simple password protection. Copyright 1996 Aki Yoshida,
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1.4784 fs-write-stream-atomic 1.0.10

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1.4785 json-parse-helpfulerror 1.0.3

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1.4786 httpcore 4.4.3

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  jar/net/sf/cglib/transform/AbstractTransformTask.java

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* /opt/cola/permits/1112466733_1607091817.23/0/cglib-2-2-0-b21-sources-1-jar/net/sf/cglib/reflect/FastMember.java
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* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0-23-1-sources-jar/com/facebook/swift/codec/Sinternal/asm/package.html
* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0-23-1-sources-jar/com/facebook/swift/codec/Sinternal/asm/util/package.html
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* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0.23.1-sources-jar/com/facebook/swift/codes/Internals/asm/util/CheckSignatureAdapter.java
* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0.23.1-sources-jar/com/facebook/swift/codes/Internals/asm/Opcodes.java
* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0.23.1-sources-jar/com/facebook/swift/codes/Internals/asm/util/TraceClassVisitor.java
* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0.23.1-sources-jar/com/facebook/swift/codes/Internals/asm/Handle.java
* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0.23.1-sources-jar/com/facebook/swift/codes/Internals/asm/commons/RemappingFieldAdapter.java
* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0.23.1-sources-jar/com/facebook/swift/codes/Internals/asm/commons/RemappingClassAdapter.java
* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0.23.1-sources-jar/com/facebook/swift/codes/Internals/asm/tree/MethodInsnNode.java
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* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0.23.1-sources-jar/com/facebook/swift/codes/Internals/asm/tree/LocalVariableNode.java
* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0.23.1-sources-jar/com/facebook/swift/codes/Internals/asm/tree/analysis/Frame.java
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* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0.23.1-sources-jar/com/facebook/swift/codes/Internals/asm/tree/InsnList.java
* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0.23.1-sources-jar/com/facebook/swift/codes/Internals/asm/tree/LdcInsnNode.java
* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0.23.1-sources-jar/com/facebook/swift/codes/Internals/asm/tree/CheckAnnotationAdapter.java
* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0.23.1-sources-jar/com/facebook/swift/codes/Internals/asm/tree/CheckSignatureAdapter.java
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* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0.23.1-sources-jar/com/facebook/swift/codes/Internals/asm/tree/analysis/Frame.java
* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0.23.1-sources-jar/com/facebook/swift/codes/Internals/asm/tree/analysis/BasicValue.java
* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0.23.1-sources-jar/com/facebook/swift/codes/Internals/asm/ByteVector.java
* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0-23-1-sources-jar/com/facebook/swift/codec/Sinternal/asm/util/Printer.java
* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0-23-1-sources-jar/com/facebook/swift/codec/Sinternal/asm/signature/SignatureWriter.java
* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0-23-1-sources-jar/com/facebook/swift/codec/Sinternal/asm/tree/ParameterNode.java
* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0-23-1-sources-jar/com/facebook/swift/codec/Sinternal/asm/optimizer/Constant.java
* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0-23-1-sources-jar/com/facebook/swift/codec/Sinternal/asm/tree/IntInsnNode.java
* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0-23-1-sources-jar/com/facebook/swift/codec/Sinternal/asm/tree/analysis/Interpreter.java
* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0-23-1-sources-jar/com/facebook/swift/codec/Sinternal/asm/Item.java
* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0-23-1-sources-jar/com/facebook/swift/codec/Sinternal/asm/ClassWriter.java
* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0-23-1-sources-jar/com/facebook/swift/codec/Sinternal/asm/tree/analysis/Subroutine.java
* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0-23-1-sources-jar/com/facebook/swift/codec/Sinternal/asm/FieldVisitor.java
* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0-23-1-sources-jar/com/facebook/swift/codec/Sinternal/asm/tree/TypeInsnNode.java
* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0-23-1-sources-jar/com/facebook/swift/codec/Sinternal/asm/FieldWriter.java
* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0-23-1-sources-jar/com/facebook/swift/codec/Sinternal/asm/tree/MethodNode.java
* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0-23-1-sources-jar/com/facebook/swift/codec/Sinternal/asm/Context.java
* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0-23-1-sources-jar/com/facebook/swift/codec/Sinternal/asm/optimizer/MethodConstantsCollector.java
* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0-23-1-sources-jar/com/facebook/swift/codec/Sinternal/asm/AnnotationVisitor.java
* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0-23-1-sources-jar/com/facebook/swift/codec/Sinternal/asm/optimizer/NameMapping.java
* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0-23-1-sources-jar/com/facebook/swift/codec/Sinternal/asm/MethodWriter.java
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* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0-23-1-sources-jar/com/facebook/swift/codec/Sinternal/asm/tree/analysis/SmallSet.java
* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0-23-1-sources-jar/com/facebook/swift/codec/Sinternal/asm/commons/InstructionAdapter.java
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* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0-23-1-sources-jar/com/facebook/swift/codec/Sinternal/asm/signature/SignatureVisitor.java
* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0-23-1-sources-jar/com/facebook/swift/codec/Sinternal/asm/commons/SerialVersionUIDAdder.java
* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0-23-1-sources-jar/com/facebook/swift/codec/Sinternal/asm/tree/MultiANewArrayInsnNode.java
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* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0-23-1-sources-jar/com/facebook/swift/codec/Sinternal/asm/optimizer/ClassOptimizer.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.
*/

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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 {@link Opcodes}).
* @param name
* the method's name.
* @param desc
* the method's descriptor (see {@link Type 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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  */
/**
* Constructs a new [LocalVariableAnnotationNode].<i>Subclasses must not use this constructor</i>. Instead, they must use the

* [LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)]

* version.

* @param typeRef
  * a reference to the annotated type. See [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.

*/

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* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0-23-1-sources-jar/com/facebook/swift/codec/$internal/asm/tree/LocalVariableAnnotationNode.java

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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/cola/permits/1176281935_1624666764.17/0/swift-codec-0-23-1-sources-
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/**
 * Creates a new [ @link GeneratorAdapter ]. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * [ @link #GeneratorAdapter(int, MethodVisitor, int, String, Strings) ]
 * 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.
*/

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* /opt/cola/permits/1176281935_1624666764.17/0/swift-codec-0-23-1-sources-jar/com/facebook/swift/codec/metadata/MetadataErrorException.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 IllegalArgumentException
    If a subclass calls this constructor.
*/

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* configure.ac, Makefile.am: The original versions were derived from the
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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
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Version 2.1, February 1999

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If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
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work. (Executables containing this object code plus portions of the
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Otherwise, if the work is a derivative of the Library, you may
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with the Library, with the complete machine-readable "work that
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b) Use a suitable shared library mechanism for linking with the
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copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
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the user installs one, as long as the modified version is
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The of the start-stop-daemon

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* in C (faster - it is executed many times during system startup).
* Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>,
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The of the start-stop-daemon

* A rewrite of the original Debian's start-stop-daemon Perl script
* in C (faster - it is executed many times during system startup).
* Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>,
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1.4815 gir 1.46.0 3ubuntu1

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1.4821 sshfs 2.8-1

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1.4822 libalgorithm-diff-perl 1.19.02-3

1.4823 jackson-dataformat-yaml 2.8.9

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1.4824 global-dirs 0.1.1

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1.4825 libblkid 2.35.2-r0

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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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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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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 (doser@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@mtiame.mtia.oz.au), Michel Schinz, and
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.
Thomas Funke (thf@zelator.in-berlin.de(?)) and
Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and
Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks(acg@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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Version 2.1, February 1999

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@c ispell-local-pdict: "ispell-dict"
@c End:

@c man end
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1.4829 python 3.7.3-1
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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
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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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import re

from setuptools import find_packages
from setuptools import setup
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# binary only, patch it back to the system, and then use a wrapper

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Metadata-Version: 1.2
Name: click
Version: 7.1.2
Summary: Composable command line interface toolkit
Click is a Python package for creating beautiful command line interfaces in a composable way with as little code as necessary. It's the "Command Line Interface Creation Kit". It's highly configurable but comes with sensible defaults out of the box.

It aims to make the process of writing command line tools quick and fun while also preventing any frustration caused by the inability to implement an intended CLI API.

Click in three points:

- Arbitrary nesting of commands
- Automatic help page generation
- Supports lazy loading of subcommands at runtime

Installing
----------

Install and update using `pip`:

.. code-block:: text

    $ pip install -U click


A Simple Example
----------------

.. code-block:: python

    import click

    @click.command()
    @click.option("--count", default=1, help="Number of greetings.")
    @click.option("--name", prompt="Your name", help="The person to greet.")
def hello(count, name):
    """Simple program that greets NAME for a total of COUNT times."""
    for _ in range(count):
        click.echo(f"Hello, {name}!")

if __name__ == '__main__':
    hello()

.. code-block:: text

    $ python hello.py --count=3
    Your name: Click
    Hello, Click!
    Hello, Click!
    Hello, Click!

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------

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Classifier: Programming Language :: Python :: 2
Classifier: Programming Language :: Python :: 3
Requires-Python: >=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*, !=3.4.*
As the userbase of Click grows, more and more major feature requests pop up in Click's bugtracker. As reasonable as it may be for those features to be bundled with Click instead of being a standalone project, many of those requested features are either highly experimental or have unproven practical use, while potentially being a burden to maintain.

This is why click-contrib exists. The GitHub organization is a collection of possibly experimental third-party packages whose featureset does not belong into Click, but also a playground for major features that may be added to Click in the future. It is also meant to coordinate and concentrate effort on writing third-party extensions for Click, and to ease the effort of searching for such extensions. In that sense it could be described as a low-maintenance alternative to extension repositories of other frameworks.

Please note that the quality and stability of those packages may be different than what you expect from Click itself. While published under a common organization, they are still projects separate from Click.

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      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
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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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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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@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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1.4837 libopenipmi0 2.0.22-1.1ubuntu2.1

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1.4839 lockfile 1.0.4

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1.4840 hoek 6.0.3

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1.4841 @babel/plugin-transform-literals 7.2.0

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1.4843 @babel/types 7.0.0

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1.4844 parent-join-client 6.7.1

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1.4845 capture-stack-trace 1.0.0

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1.4846 d3-dispatch 0.2.6

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import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.javado.Tag;

/**
 * A simple Taglet which handles Copyright information.
 */
public class CopyrightTaglet implements Taglet {

    private static final String NAME = "copyright";
    private static final String HEADER = "Copyright:";

    public String getName() {
        return NAME;
    }

    public boolean inField() {
        return true;
    }

    public boolean inConstructor() {
        return true;
    }

    public boolean inMethod() {
        return true;
    }

    public boolean inOverview() {
        return true;
    }

}
}
public boolean inPackage() {
return true;
}
public boolean inType() {
return true;
}
public boolean isInlineTag() {
return false;
}
public static void register(Map tagletMap) {
CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
}
public String toString(Tag tag) {
return toString(new Tag[] { tag });
}
public String toString(Tag[] tags) {
if (tags.length == 0) {
return null;
}
else {
boolean haveValidTag = false;
for (int i = 0; i < tags.length && !haveValidTag; ++i) {
if (tags[i].text().length() > 0) {
haveValidTag = true;
}
}
if (haveValidTag) {
StringBuffer result = new StringBuffer();
result.append("<dl>");
for (int i = 0; i < tags.length; i++) {
if (tags[i].text().length() > 0) {
result.append("<dt><i>Copyright &#169; " + tags[i].text() + "</i></dt>");
}
}
result.append("</dl>");
return result.toString();
}
else {
return null;

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<signature of Ty Coon>, 1 April 1990
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That's all there is to it!

// DO NOT EDIT THIS FILE - it is machine generated -* c++ *

#ifndef __java_security_Permission__
#define __java_security_Permission__

#pragma interface

#include <java/lang/Object.h>
extern "Java"
{
namespace java
{
namespace security
{
class Permission;

class PermissionCollection;
}
}

class java::security::Permission : public java::lang::Object
{

public:
Permission(::java::lang::String *);
virtual void checkGuard(::java::lang::Object *);
virtual jboolean implies(::java::security::Permission *) = 0;
virtual jboolean equals(::java::lang::Object *) = 0;
virtual jint hashCode() = 0;
virtual ::java::lang::String * getName();
virtual ::java::lang::String * getActions() = 0;
virtual ::java::security::PermissionCollection * newPermissionCollection();
virtual ::java::lang::String * toString();
private:
    static const jlong serialVersionUID = -5636570222231596674LL;
    ::java::lang::String * __attribute__((aligned(__alignof__(::java::lang::Object)))) name;
public:
    static ::java::lang::Class class$;
};

#endif // __java_security_Permission__
@ignore
@c Set file name and title for man page.
@setfilename gpl
@settitle GNU General Public License
@c man begin SEEALSO
gfdl(7), fsf-funding(7).
@c man end
@c man begin COPYRIGHT
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/* Permission.java -- The superclass for all permission objects

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package java.security;

import gnu.java.lang.CPStringBuilder;

import java.io.Serializable;

/**
* This class is the abstract superclass of all classes that implement
* the concept of a permission. A permission consists of a permission name
* and optionally a list of actions that relate to the permission. The
* actual meaning of the name of the permission is defined only in the
* context of a subclass. It may name a resource to which access permissions
* are granted (for example, the name of a file) or it might represent
* something else entirely. Similarly, the action list only has meaning
* within the context of a subclass. Some permission names may have no
* actions associated with them. That is, you either have the permission
* or you don't.
* *<p>The most important method in this class is <code>implies</code>. This
* checks whether if one has this permission, then the specified
* permission is also implied. As a conceptual example, consider the
* permissions "Read All Files" and "Read File foo". The permission
* "Read All Files" implies that the caller has permission to read the
* file foo.
* *
* <p><code>Permission</code>’s must be immutable - do not change their
* state after creation.
* *
* @author Aaron M. Renn (arenn@urbanophile.com)
* @see Permissions
* @see PermissionCollection
* @since 1.1
* @status updated to 1.4
*/

public abstract class Permission implements Guard, Serializable
{
/**
* Compatible with JDK 1.1+.
private static final long serialVersionUID = -563657022231596674L;

/**
 * This is the name assigned to this permission object.
 * @serial the name of the permission
 */
private String name;

/**
 * Create an instance with the specified name.
 * @param name the permission name
 */
public Permission(String name) {
    this.name = name;
}

/**
 * This method implements the <code>Guard</code> interface for this class.
 * It calls the <code>checkPermission</code> method in
 * <code>SecurityManager</code> with this <code>Permission</code> as its
 * argument. This method returns silently if the security check succeeds
 * or throws an exception if it fails.
 * @param obj the <code>Object</code> being guarded - ignored by this class
 * @throws SecurityException if the security check fails
 * @see GuardedObject
 * @see SecurityManager#checkPermission(Permission)
 */
public void checkGuard(Object obj) {
    SecurityManager sm = System.getSecurityManager();
    if (sm != null)
        sm.checkPermission(this);
}

/**
 * This method tests whether this <code>Permission</code> implies that the
 * specified <code>Permission</code> is also granted.
 * @param perm the <code>Permission</code> to test against
 * @return true if perm is implied by this
 */
public abstract boolean implies(Permission perm);
/**
 * Check to see if this object equals obj. Use <code>equals</code>, rather
 * than <code>implies</code>, when making access control decisions.
 *
 * @param obj the object to compare to
 */
public abstract boolean equals(Object obj);

/**
 * This method returns a hash code for this <code>Permission</code>. It
 * must satisfy the contract of <code>Object.hashCode</code>: it must be
 * the same for all objects that equals considers to be the same.
 *
 * @return a hash value
 */
public abstract int hashCode();

/**
 * Get the name of this <code>Permission</code>. 
 *
 * @return the name
 */
public final String getName()
{
    return name;
}

/**
 * This method returns the list of actions for this <code>Permission</code>
 * as a <code>String</code>. The string should be in canonical order, for
 * example, both <code>new FilePermission(f, "write,read")</code> and
 * <code>new FilePermission(f, "read,write")</code> have the action list
 * "read,write".
 *
 * @return the action list for this <code>Permission</code>
 */
public abstract String getActions();

/**
 * This method returns an empty <code>PermissionCollection</code> object
 * that can store permissions of this type, or <code>null</code> if no
 * such collection is defined. Subclasses must override this to provide
 * an appropriate collection when one is needed to accurately calculate
 * <code>implies</code>.
 *
 * @return a new <code>PermissionCollection</code>
 */
public PermissionCollection newPermissionCollection()
{ return null; }

/**
 * This method returns a <code>String</code> representation of this
 * <code>Permission</code> object. This is in the format:
 * <code>'(' + getClass().getName() + ' ' + getName() + ' ' + getActions
 * + ')'</code>.
 *
 * @return this object as a <code>String</code>
 */
public String toString()
{
    CPStringBuilder string = new CPStringBuilder();

    string = string.append('(
    string = string.append(getClass().getName());
    string = string.append(' ');
    string = string.append(getName());

    if (!(getActions().equals("")))
    {
        string = string.append(' ');
        string = string.append(getActions());
    }

    string = string.append(')');
    return string.toString();
}
} // class Permission

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# so that they have the form:
#
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#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
# update-copyright.pl --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
# update-copyright.pl --this-year libjava
#
# would run the script on just libjava/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__(self):
        self.num_errors = 0

    def report(self, filename, string):
        if filename:
            string = filename + ': ' + string
        sys.stderr.write(string + '
')
        self.num_errors += 1

    def ok(self):
        return self.num_errors == 0

class GenericFilter:
    def __init__(self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set(['
            # Skip licence files.
            'COPYING',
            'COPYING.LIB',
            'COPYING3',
            'COPYING3.LIB',
            'LICENSE',
            'fdl.texi',
            'gpl_v3.texi',
            'fdl-1.3.xml',
            'gpl-3.0.xml',

            # Skip auto- and libtool-related files
            'aclocal.m4',
            'compile',
            'config.guess',
            'config.sub',
            'depcomp',
            'install-sh',
        ''])
def get_line_filter (self, dir, filename):
if filename.startswith ('ChangeLog'):
    # Ignore references to copyright in changelog entries.
    return re.compile ('	')

return None

def skip_file (self, dir, filename):
if filename in self.skip_files:
    return True

(base, extension) = os.path.splitext (os.path.join (dir, filename))
if extension in self.skip_extensions:
    return True

if extension == '.in':
    # Skip .in files produced by automake.
    if os.path.exists (base + '.am'):
        return True

    # Skip files produced by autogen
    if (os.path.exists (base + '.def')
        and os.path.exists (base + '.tpl')):
        return True
# Skip configure files produced by autoconf
if filename == 'configure':
    if os.path.exists (base + '.ac'):
        return True
    if os.path.exists (base + '.in'):
        return True
return False

def skip_dir (self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file (self, dir, filename):
    if filename in self.fossilised_files:
        return True
    # Only touch current current ChangeLogs.
    if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
        return True
    return False

def by_package_author (self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__ (self, errors):
        self.errors = errors

        # Characters in a range of years. Include '.' for typos.
        ranges = '[0-9]?[-0-9.,\s]*[0-9]'

        # Non-whitespace characters in a copyright holder's name.
        name = '\[\w.,-\]'

        # Matches one year.
        self.year_re = re.compile ('[0-9]+')

        # Matches part of a year or copyright holder.
        self.continuation_re = re.compile (ranges + '|' + name)

        # Matches a full copyright notice:
        self.copyright_re = re.compile (r'\[Cc\]opyright\s+\*\*\[Cc\]\]?
            \[Cc\]opyright\s+\*\%s\s+&\copyright\s*\s+@copyright\}')
'\[\text{copyright = u'\}'}
\[\text{@sets+copyright[w-]+}\']

# 2: the years. Include the whitespace in the year, so that
# we can remove any excess.
'\(|\s*(?:' + ranges + ')?
\[\text{@value\{[^{}]*\}s}\]'

# 3: 'by ', if used
'(by\s+)?'

# 4: the copyright holder. Don't allow multiple consecutive
# spaces, so that right-margin gloss doesn't get caught
# (e.g. gnat_ugn.texi).
'(\s*name + (\s?name + ))?'

# A regexp for notices that might have slipped by. Just matching
# 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
# HTML header markers, so check for 'copyright' and two digits.
self.other_copyright_re = re.compile('copyright.*[0-9][0-9]',
    re.IGNORECASE)

self.comment_re = re.compile('#+|[*]+|;+|%+|//+|\@c |dnl ')

self.holders = { '@copying': '@copying' }

self.holder_prefixes = set()

# True to 'quilt add' files before changing them.
self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s). Could be ',',
self.separator = ','

def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find ('')
    while index >= 0:
        self.holder_prefixes.add(holder[:index])
        index = holder.find ('', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__ (self, year):

self.year = year

def __str__(self):
    return 'unrecognised year: ' + self.year

def parse_year(self, string):
    year = int(string)
    if len(string) == 2:
        if year > 70:
            return year + 1900
        elif len(string) == 4:
            return year
    raise self.BadYear(string)

def year_range(self, years):
    year_list = [self.parse_year(year)
                 for year in self.year_re.findall(years)]
    assert len(year_list) > 0
    return (min(year_list), max(year_list))

def set_use_quilt(self, use_quilt):
    self.use_quilt = use_quilt

def include_year(self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years(self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith('@value'):
        return years
    (min_year, max_year) = self.year_range(years)

    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file(dir, filename):
        max_year = max(max_year, self.max_year)

    # Use a range.
    if min_year == max_year:
        return '%d' % min_year
    else:
        return '%d-%d' % (min_year, max_year)

def strip_continuation(self, line):
    line = line.lstrip()
    match = self.comment_re.match(line)
    if match:
line = line[match.end():].lstrip()
return line

def is_complete(self, match):
    holder = match.group(4)
    return (holder
        and (holder not in self.holder_prefixes
            or holder in self.holders))

def update_copyright(self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join(dir, filename)

    intro = match.group(1)
    if intro.startswith('@set '):
        # Texinfo year variables should always be on one line
        after_years = line[match.end(2):].strip()
        if after_years != '':
            self.errors.report(pathname,
                'trailing characters in @set: ' + after_years)
            return (False, orig_line, next_line)
        else:
            # If it looks like the copyright is incomplete, add the next line.
            while not self.is_complete(match):
                try:
                    next_line = file.next()
                except StopIteration:
                    break
                # If the next line doesn't look like a proper continuation, # assume that what we've got is complete.
                continuation = self.strip_continuation(next_line)
                if not self.continuation_re.match(continuation):
                    break
                # Merge the lines for matching purposes.
                orig_line += next_line
                line = line.rstrip() + ' ' + continuation
                next_line = None

            # Rematch with the longer line, at the original position.
            match = self.copyright_re.match(line, match.start())
            assert match

            holder = match.group(4)
# Use the filter to test cases where markup is getting in the way.
if filter.by_package_author (dir, filename):
    assert holder not in self.holders

elif not holder:
    self.errors.report (pathname, 'missing copyright holder')
    return (False, orig_line, next_line)

elif holder not in self.holders:
    self.errors.report (pathname,
        'unrecognised copyright holder: ' + holder)
    return (False, orig_line, next_line)

else:
    # See whether the copyright is associated with the package
    # author.
    canon_form = self.holders[holder]
    if not canon_form:
        return (False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
    line = (line[:match.start (4)]
            + canon_form
            + line[match.end (4):])

    # Remove any 'by'
    line = line[:match.start (3)] + line[match.end (3):]

    # Update the copyright years.
    years = match.group (2).strip()
    try:
        canon_form = self.canonicalise_years (dir, filename, filter, years)
    except self.BadYear as e:
        self.errors.report (pathname, str (e))
    return (False, orig_line, next_line)

    line = (line[:match.start (2)]
            + ('' if intro.startswith ('copyright = ') else ' ')
            + canon_form + self.separator
            + line[match.end (2):])

    # Use the standard (C) form.
    if intro.endswith ('right'):
        intro += ' (C)'
    elif intro.endswith ('(c)'):
        intro = intro[:-3] + '(C)'
    line = line[:match.start (1)] + intro + line[match.end (1):]
# Strip trailing whitespace
line = line.rstrip() + 'n'

return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)
        except OSError:
            pass
        return

    lines = []
    changed = False
    line_filter = filter.get_line_filter (dir, filename)
    with open (pathname, 'r') as file:
        prev = None
        for line in file:
            next_line = None
            # Leave filtered-out lines alone.
            if not (line_filter and line_filter.match (line)):
                match = self.copyright_re.search (line)
                if match:
                    res = self.update_copyright (dir, filename, filter,
                                                 file, line, match)
                    (this_changed, line, next_line) = res
                    changed = changed or this_changed

            # Check for copyright lines that might have slipped by.
            elif self.other_copyright_re.search (line):
                self.errors.report (pathname,
                                    'unrecognised copyright: %s'
                                    % line.strip())
                lines.append (line)
                line = next_line

    # If something changed, write the new file out.
    if changed and self.errors.ok():
        tmp_pathname = pathname + '.tmp'
        with open (tmp_pathname, 'w') as file:
            for line in lines:
                file.write (line)
        if self.use_quilt:
            subprocess.call (["quilt", "add", pathname])
os.rename (tmp_pathname, pathname)

def process_tree (self, tree, filter):
    for (dir, subdirs, filenames) in os.walk (tree):
        # Don't recurse through directories that should be skipped.
        for i in xrange (len (subdirs) - 1, -1, -1):
            if filter.skip_dir (dir, subdirs[i]):
                del subdirs[i]

        # Handle the files in this directory.
        for filename in filenames:
            if filter.skip_file (dir, filename):
                sys.stdout.write ('Skipping %s\n' % os.path.join (dir, filename))
            else:
                self.process_file (dir, filename, filter)

class CmdLine:
    def __init__ (self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright (self.errors)
        self.dirs = []
        self.default_dirs = []
        self.chosen_dirs = []
        self.option_handlers = dict()
        self.option_help = []

        self.add_option ('--help', 'Print this help', self.o_help)
        self.add_option ('--quilt', 'quilt add before changing them',
                         self.o_quilt)
        self.add_option ('--this-year', 'Add the current year to every notice',
                         self.o_this_year)

        def add_option (self, name, help, handler):
            self.option_help.append ((name, help))
            self.option_handlers[name] = handler

        def add_dir (self, dir, filter = GenericFilter()):
            self.dirs.append ((dir, filter))

        def o_help (self, option = None):
            sys.stdout.write ('Usage: %s [options] dir1 dir2...

Options:
' % sys.argv[0])
            for (what, help) in self.option_help:
                sys.stdout.write (format % (what, help))

            for i in self.chosen_dirs:
                sys.stdout.write ('
Directories:
')

        def add_dir (self, dir, filter = GenericFilter()):
            self.dirs.append ((dir, filter))

        def o_help (self, option = None):
            sys.stdout.write ('Usage: %s [options] dir1 dir2...

            Options:
' % sys.argv[0])
            for (what, help) in self.option_help:
                sys.stdout.write (format % (what, help))

            sys.stdout.write ('\nDirectories:
')
format = '%-25s'
i = 0
for (dir, filter) in self.dirs:
    i += 1
    if i % 3 == 0 or i == len (self.dirs):
        sys.stdout.write (dir + '\n')
    else:
        sys.stdout.write (format % dir)
sys.exit (0)

def o_quilt (self, option):
    self.copyright.set_use_quilt (True)

def o_this_year (self, option):
    self.copyright.include_year (time.localtime().tm_year)

def main (self):
    for arg in sys.argv[1:]:
        if arg[1:] != '-':
            self.chosen_dirs.append (arg)
elif arg in self.option_handlers:
    self.option_handlers[arg] (arg)
else:
    self.errors.report (None, 'unrecognised option: ' + arg)
if self.errors.ok():
    if len (self.chosen_dirs) == 0:
        self.chosen_dirs = self.default_dirs
    if len (self.chosen_dirs) == 0:
        self.o_help()
    else:
        for chosen_dir in self.chosen_dirs:
            canon_dir = os.path.join (chosen_dir, '')
count = 0
for (dir, filter) in self.dirs:
    if (dir + os.sep).startswith (canon_dir):
        count += 1
self.copyright.process_tree (dir, filter)
if count == 0:
    self.errors.report (None, 'unrecognised directory: ' + chosen_dir)
sys.exit (0 if self.errors.ok() else 1)

#--------------------------------------------------------------------------------

class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True
class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)
        self.skip_files |= set ([
            # Not part of GCC
            'math-68881.h',
        ])
        self.skip_dirs |= set ([
            # Better not create a merge nightmare for the GNAT folks.
            'ada',
            # Handled separately.
            'testsuite',
        ])
        self.skip_extensions |= set ([
            # Maintained by the translation project.
            '.po',
            # Automatically-generated.
            '.pot',
        ])
        self.fossilised_files |= set ([
            # Old news won't be updated.
            'ONEWS',
        ])  

class GCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)
        self.skip_files |= set ([
            # Not part of GCC
            'math-68881.h',
        ])
        self.skip_dirs |= set ([
            # Better not create a merge nightmare for the GNAT folks.
            'ada',
            # Handled separately.
            'testsuite',
        ])
        self.skip_extensions |= set ([
            # Maintained by the translation project.
            '.po',
            # Automatically-generated.
            '.pot',
        ])
        self.fossilised_files |= set ([
            # Old news won't be updated.
            'ONEWS',
        ])

class TestsuiteFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)
        self.skip_extensions |= set ([
            # Maintained by the translation project.
            '.po',
            # Automatically-generated.
            '.pot',
        ])
        self.fossilised_files |= set ([
            # Old news won't be updated.
            'ONEWS',
        ])
def skip_file (self, dir, filename):
    # g++.niklas/README contains historical copyright information
    # and isn't updated.
    if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
        return True
    return GenericFilter.skip_file (self, dir, filename)

class LibCppFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set ([
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        ])

class LibGCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ([
            # Imported from GLIBC.
            'soft-fp',
        ])

class LibJavaFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ([
            # Handled separately.
            'testsuite',
        ])
def get_line_filter(self, dir, filename):
    if filename == 'NameDecoder.h':
        return re.compile('.*NAME_COPYRIGHT')
    if filename == 'ICC_Profile.h':
        return re.compile('.*icSigCopyrightTag')
    return GenericFilter.get_line_filter(self, dir, filename)

class LibMudflapFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_dirs |= set([
            # Handled separately.
            'testsuite',
        ])

class LibStdCxxFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_files |= set([
            # Contains no copyright of its own, but quotes the GPL.
            'intro.xml',
        ])

        self.skip_dirs |= set([
            # Contains automatically-generated sources.
            'html',

            # The testsuite data files shouldn't be changed.
            'data',

            # Contains imported images
            'images',
        ])

        self.own_files |= set([
            # Contains markup around the copyright owner.
            'spine.xml',
        ])

    # Not really part of the library
    'contrib',

    # Imported from upstream
    'classpath',
    'libtldl',
})
def get_line_filter(self, dir, filename):
    if filename == 'boost_concept_check.h':
        return re.compile('// (C) Copyright Jeremy Siek')
    return GenericFilter.get_line_filter(self, dir, filename)

class GCCCopyright(Copyright):
    def __init__(self, errors):
        Copyright.__init__(self, errors)

        canon_fsf = 'Free Software Foundation, Inc.'
        self.add_package_author('Free Software Foundation', canon_fsf)
        self.add_package_author('Free Software Foundation.', canon_fsf)
        self.add_package_author('Free Software Foundation Inc.', canon_fsf)
        self.add_package_author('Free Software Foundation, Inc', canon_fsf)
        self.add_package_author('The Free Software Foundation', canon_fsf)
        self.add_package_author('The Free Software Foundation, Inc', canon_fsf)
        self.add_package_author('Software Foundation, Inc.', canon_fsf)

        self.add_external_author('ARM')
        self.add_external_author('AdaCore')
        self.add_external_author('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
        self.add_external_author('Cavium Networks.')
        self.add_external_author('Faraday Technology Corp.')
        self.add_external_author('Florida State University')
        self.add_external_author('Greg Colvin and Beman Dawes.')
        self.add_external_author('Hewlett-Packard Company')
        self.add_external_author('Information Technology Industry Council')
        self.add_external_author('James Theiler, Brian Gough')
        self.add_external_author('Makoto Matsumoto and Takuji Nishimura,')
        self.add_external_author('National Research Council of Canada.')
        self.add_external_author('Peter Dimov and Multi Media Ltd.')
        self.add_external_author('Peter Dimov')
        self.add_external_author('Pipeline Associates, Inc.')
        self.add_external_author('Regents of the University of California.')
        self.add_external_author('Silicon Graphics Computer Systems, Inc.')
        self.add_external_author('Silicon Graphics')
        self.add_external_author('Stephen L. Moshier')
        self.add_external_author('Sun Microsystems, Inc. All rights reserved.')
        self.add_external_author('The Go Authors. All rights reserved.')
        self.add_external_author('The Go Authors. All rights reserved.')
        self.add_external_author('The Regents of the University of California.')
        self.add_external_author('Unicode, Inc.')
        self.add_external_author('University of Toronto')
class GCCCmdLine (CmdLine):
    def __init__ (self):
        CmdLine.__init__ (self, GCCCopyright)

        self.add_dir ('.', TopLevelFilter())
        # boehm-gc is imported from upstream.
        self.add_dir ('config', ConfigFilter())
        # contrib isn't really part of GCC.
        self.add_dir ('fixincludes')
        self.add_dir ('gcc', GCCFilter())
        self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir ('gnattools')
        self.add_dir ('include')
        self.add_dir ('libada')
        self.add_dir ('libatomic')
        self.add_dir ('libbacktrace')
        self.add_dir ('libcpp', LibCppFilter())
        self.add_dir ('libdecnumber')
        # libffi is imported from upstream.
        self.add_dir ('libgcc', LibGCCFilter())
        self.add_dir ('libgfortran')
        self.add_dir ('libgomp')
        self.add_dir ('libiberty')
        self.add_dir ('libitm')
        self.add_dir ('libjava', LibJavaFilter())
        self.add_dir (os.path.join ('libjava', 'testsuite'), TestsuiteFilter())
        self.add_dir ('libmudflap', LibMudflapFilter())
        self.add_dir (os.path.join ('libmudflap', 'testsuite'), TestsuiteFilter())
        self.add_dir ('libobjc')
        self.add_dir ('libquadmath')
        # libsanitiser is imported from upstream.
        self.add_dir ('libssp')
        self.add_dir (os.path.join ('libstdc++-v3', LibStdCxxFilter()))
        self.add_dir ('lto-plugin')
        # zlib is imported from upstream.

        self.default_dirs = [
            'gcc',
            'libada',
            'libatomic',
            'libbacktrace',
            'libcpp',
            'libdecnumber',
            'libgcc',
            'libgfortran',
            'libgomp',
            'libiberty',
            'libitm',
        ]
'libmudflap',
'libobjc',
'libstdc++-v3',
]

GCCCmdLine().main()

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Version 2.1, February 1999

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[This is the first released version of the Lesser GPL.  It also counts
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GCC RUNTIME LIBRARY EXCEPTION

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<tr>
<th>Program</th>
<th>Directory</th>
</tr>
</thead>
<tbody>
<tr>
<td>mach_override</td>
<td>lib/interception/mach_override</td>
</tr>
<tr>
<td>ignore</td>
<td></td>
</tr>
<tr>
<td>@c Set file name and title for man page.</td>
<td></td>
</tr>
<tr>
<td>@setfilename gfdl</td>
<td></td>
</tr>
<tr>
<td>@settitle GNU Free Documentation License</td>
<td></td>
</tr>
<tr>
<td>@c man begin SEEALSO</td>
<td></td>
</tr>
<tr>
<td>gpl(7), fsf-funding(7).</td>
<td></td>
</tr>
<tr>
<td>@c man end</td>
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<td>@c man begin COPYRIGHT</td>
<td></td>
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<tr>
<td>@uref{<a href="http://fsf.org/%7D">http://fsf.org/}</a></td>
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/* Definitions for BSD assembler syntax for Intel 386 (actually AT&T syntax for insns and operands, adapted to BSD conventions for symbol names and debugging.) Copyright (C) 1988-2015 Free Software Foundation, Inc. */

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/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using underscores, we are using prefix `.:'s to identify labels that should be ignored, as in `i386/gas.h'--karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "t.byte\t"  
#define ASM_SHORT "t.word\t"  
#define ASM_LONG "t.long\t"   
#define ASM_QUAD "t.quad\t"  /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS */

#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE,SIZE)  
fprintf (FILE, "t.space HOST_WIDE_INT_PRINT_UNSIGNED\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED)  
(fputs (".comm ", (FILE)),
 assemble_name ((FILE), (NAME)),
 fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line to define a local common symbol. */
/* This is how to output an assembler line 
that says to advance the location counter 
to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG)
if ((LOG)!=0) fprintf ((FILE), "%d\n", (LOG))

/* This is how to store into the string BUF 
the symbol_ref name of an internal numbered label where 
PREFIX is the class of label and NUM is the number within the class. 
This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)
sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX " _ "

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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{
namespace java
{
namespace security
{
namespace acl
{
    class Permission;
}
}
}
}

class java::security::acl::Permission : public ::java::lang::Object
{

public:
    virtual jboolean equals(::java::lang::Object *) = 0;
    virtual ::java::lang::String * toString() = 0;
    static ::java::lang::Class class$;
} __attribute__ ((java_interface));

#endif // __java_security_acl_Permission__

This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.
The SPARC specific code was originally contributed by Mark Weiser.
The Encore Multimax modifications were supplied by
Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely
due to Vernon Lee, on machines made available to Rice by IBM.
Much of the HP specific code and a number of good suggestions for improving the
generic code are due to Walter Underwood.
Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.
Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk)
subsequently provided updates and information on variation between ULTRIX
systems. Parag Patel (parag@netcom.com) supplied the A/UX code.
Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.
Thomas Funke (thf@zelator.in-berlin.de(?) and
Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.dec.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and
Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks(age@uts.amdahl.com) supplied the NetBSD and 386BSD ports.
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.
Brent Benson (brent@jade.ssd.cs.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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/**
 * This interface provides information about a permission that can be
 * granted. Note that this is not the same as the class
 * java.security.Permission.
 *
 * @version 0.0
 *
 * @author Aaron M. Renn (arenn@urbanophile.com)
 */
public interface Permission {

/**
 * This method tests whether or not a specified Permission (passed as an Object) is the same as this permission.
 *
 * @param perm The permission to check for equality
 *
 * @return true if the specified permission is the same as this one, false otherwise
 */
boolean equals(Object perm);

/**
 * This method returns this Permission as a String.  
 *
 * @return A String representing this permission.
 */
String toString();
}

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\texttt{.ds C+ C\textasciitilde.1v\textasciitilde-1p\textasciitilde-2+lh\textasciitilde-1p\textasciitilde+\textasciitilde0v\textasciitilde.1v\textasciitilde-1p\textasciitilde}
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\lambda" Escape single quotes in literal strings from groff's Unicode transform.
\texttt{.ie \n\{.g .ds Aq (aq
\texttt{.el       .ds Aq '}
\texttt{.br\}
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\lambda" If the F register is turned on, we'll generate index entries on stderr for
\lambda" titles (.TH), headers (.SH), subsections (.Sh), items (.Ip), and index
\lambda" entries marked with X<> in POD. Of course, you'll have to process the
\lambda" output yourself in some meaningful fashion.
\texttt{.ie \nF {\|}
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\lambda" Accent mark definitions (@(#)ms.acc 1.5 88/02/08 SMI; from UCB 4.2).
\lambda" Fear. Run. Save yourself. No user-serviceable parts.
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#define __gnu_javax_sound_AudioSecurityManager$Permission__

#pragma interface

#include <java/lang/Enum.h>
#include <gcj/array.h>

extern "Java"
{
 namespace gnu
 {
  namespace javax
   {
    namespace sound
    {
     

class AudioSecurityManager$Permission;

}
}

class gnu::javax::sound::AudioSecurityManager$Permission : public ::java::lang::Enum
{
  AudioSecurityManager$Permission(::java::lang::String *, jint);
public:
  static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * values();
  static ::gnu::javax::sound::AudioSecurityManager$Permission * valueOf(::java::lang::String *);
  static ::gnu::javax::sound::AudioSecurityManager$Permission * PLAY;
  static ::gnu::javax::sound::AudioSecurityManager$Permission * RECORD;
  static ::gnu::javax::sound::AudioSecurityManager$Permission * ALL;
private:
  static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * ENUM$VALUES;
public:
  static ::java::lang::Class class$;
};

#endif // __gnu_javax_sound_AudioSecurityManager$Permission__

1.4849 @babel/plugin-transform-react-jsx-self

7.0.0

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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 <https://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@ravelosystems.com>
* Allowed to skip SSL hostname verification

* Cory Benfield <https://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 <https://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 <https://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

* Thea Flowers <magicalgirl@google.com>
  * App Engine environment tests.
  * Documentation re-write.

* 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.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

* Jess 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 bools and greater than zero.
  * Fixed infinite loop in `stream` when amt=None.
  * Added length_remaining to determine remaining data to be read.
  * Added enforce_content_length to raise exception when incorrect content-length received.

* Seth Michael Larson <sethmichaellarson@protonmail.com>
  * Created selectors backport that supports PEP 475.

* Alexandre Dias <alex.dias@smarkets.com>
  * Don't retry on timeout if method not in whitelist

* Moinuddin Quadri <moin18@gmail.com>
  * Lazily load idna package

* Tom White <s6yg1ez3@mail2tor.com>
  * Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.

* Tim Burke <tim.burke@gmail.com>
  * Stop buffering entire deflate-encoded responses.

* Tuukka Mustonen <tuukka.mustonen@gmail.com>
* Add counter for status_forcelist retries.

* Erik Rose <erik@mozilla.com>
* Bugfix to pyopenssl vending

* Wolfgang Richter <wolfgang.richter@gmail.com>
* Bugfix related to loading full certificate chains with PyOpenSSL backend.

* Mike Miller <github@mikeage.net>
* Logging improvements to include the HTTP(S) port when opening a new connection

* Ioannis Tziakos <mail@itziakos.gr>
* Fix `util.selectors._fileobj_to_fd` to accept `long`.
* Update appveyor tox setup to use the 64bit python.

* Akamai (through Jess Shapiro) <jshapiro@akamai.com>
* Ongoing maintenance; 2017-2018

* Dominique Leuenberger <dimstar@opensuse.org>
* Minor fixes in the test suite

* Will Bond <will@wbond.net>
* Add Python 2.6 support to `contrib.securetransport`

* Aleksei Alekseev <alekseev.yeskela@gmail.com>
* using auth info for socks proxy

* Chris Wilcox <git@crwilcox.com>
* Improve contribution guide
* Add `HTTPResponse.geturl` method to provide `urlib2.urlopen().geturl()` behavior

* Bruce Merry <https://www.brucemerry.org.za>
* Fix leaking exceptions when system calls are interrupted with zero timeout

* Hugo van Kemenade <https://github.com/hugovk>
* Drop support for EOL Python 2.6

* Tim Bell <https://github.com/timb07>
* Bugfix for responses with Content-Type: message/* logging warnings

* Justin Bramley <https://github.com/jbramleyycl>
* Add ability to handle multiple Content-Encodings

* Katsuhiko YOSHIDA <https://github.com/kyoshidajp>
* Remove Authorization header regardless of case when redirecting to cross-site

* James Meickle <https://permadeath.com/>
* Improve handling of Retry-After header
* Chris Jerdonek <chris.jerdonek@gmail.com>
  * Remove a spurious TypeError from the exception chain inside
    HTTPConnectionPool._make_request(), also for BaseExceptions.

* [Your name or handle] <[email or website]>
  * [Brief summary of your changes]

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1.4858 npm-package-arg 6.1.1
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1.4859 exim4-daemon-light 4.84.2-2+deb8u4
1.4859.1 Available under license:

This is a custom made configuration package for Debian GNU/Linux's prepackaged version of exim4, a powerful yet easy to configure mail transport agent.

This package was originally made by create-custom-package, a script written by Marc Haber <mh+debian-packages@zugschluss.de> using work provided by Andreas Metzler <ametzler@downhill.at.eu.org>. create-custom-package uses the exim4 source package to build this source package.

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This is Debian GNU/Linux's prepackaged version of exim, a powerful yet easy to configure mail transport agent.

-----------------------------------------------------------------
This package was put together from the original sources which are maintained by Philip Hazel <ph10@cus.cam.ac.uk>, and which were obtained from

ftp://ftp.csx.cam.ac.uk/pub/software/email/exim/

Some modifications to the Makefiles have been made to fit with the Linux FHS.
-----------------------------------------------------------------

-----------------------------------------------------------------
The exim content filtering extension, formally known as the exiscan-acl patch, and which is included in exim4-daemon-heavy, was written by Tom Kistner <tom@duncanthrax.net>.
/* Copyright (c) Tom Kistner <tom@duncanthrax.net> 2003-???? */
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-----------------------------------------------------------------

-----------------------------------------------------------------
Debian Maintainer history:
- The Debian package for exim was originally made by Tim Cutts <time@chiark.greenend.org.uk>.
- Mark Baker <mbaker@iee.org> took over until exim version 3 and is still involved with packaging.
- Steve Haslam, Hilko Bengen and Marc Haber generated the initial packages of Exim v4.
- The exim4 packages are currently maintained by
- Core Team
The following people helped in preparing the exim4 packages and gave important feedback:

- Marc Merlin provides the dlopen patch, making it possible to load local_scan-routines for a external shared object.
  The original patch was written by David Woodhouse, it was modified first by Derrick 'dman' Hudson and afterwards by Marc Merlin.
- Sander Smeenk provided the TLS-docs and the script to generate the self-signed certificates.
- The people on the exim4debian list that submitted bug-reports and -fixes, and helped with design issues: Matthias Klose, Alexander Koch, Ola Lundqvist, Andrew Mulholland, David Pashley, Andreas Piesk, Nick Phillips and whoever I forgot to mention.
- syslog2examlog script by Martin Godisch.
- Hilko Bengen converted the Debian documentation from plain-text to XML format.

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INCORPORATED CODE

A number of pieces of external code are included in the Exim distribution.

- Support for the cdb (Constant DataBase) lookup method is provided by code contributed by Nigel Metheringham of Planet Online Ltd. which contains the following statements:

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  This code implements Dan Bernstein's Constant DataBase (cdb) spec. Information, the spec and sample code for cdb can be obtained from http://www.pobox.com/~djb/cdb.html. This implementation borrows some code from Dan Bernstein's implementation (which has no license restrictions applied to it).

  The implementation is completely contained within the code of Exim. It does not link against an external cdb library.

- Client support for Microsoft’s "Secure Password Authentication" is provided by code contributed by Marc Prud'hommeaux. Server support was contributed by Tom Kistner. This includes code taken from the Samba
project, which is released under the Gnu GPL.

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Some of the code to support the use of maildirsize files for maildir deliveries is taken from the Courier Imapd source code. This code is released under the GPL.

Philip Hazel
University of Cambridge Computing Service,

src/pdkim/*

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Generating a tarball from CVS snapshot.

Upstream is keeping sourcecode and documentation (including changelog) in separate CVS modules: exim-src and exim-doc. However the release tarball contains parts from both modules.

1. Use exim-src modules as base
2. Generate a doc subdirectory containing he contents of exim-doc/doc-txt/.
3. Take exim-doc and build the txt files You will need xfpt, xmlto, docbook-xsl and w3m.
cd doc-docbook ; make spec.txt filter.txt exim.8
Copy the three files to exim-version/doc/

1.4860 file 1:5.25 2ubuntu1.2

1.4861 sha 3.0.0
1.4861.1 Available under license :
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1.4862 jsonpointer 1.10

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1.4863 rabbitmq-sidecar 1.7.22

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Metadata-Version: 2.0
Name: rabbitmq-sidecar
Version: 1.7.22
Summary: RabbitMQ Sidecar Service (1.7.22)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: MarkupSafe (==1.0)
Requires-Dist: maglev-internal-api (<=1.7.0)
Requires-Dist: maglev-sidecar (~=1.7.0)
Requires-Dist: pykube (==0.15.0)
Requires-Dist: setuptools (==41.2.0)
Requires-Dist: setuptools-scm (==3.4.3)
Requires-Dist: toml (==0.10.0)
Requires-Dist: zipp (==1.0.0)

# Sidecar for managed service
+ Requires : Python 3.5 download the dmg and install, use pyenv to create a virtual environment

Found in path(s):
*/opt/cola/permits/1176180622_1624650848.4/0/rabbitmq-sidecar-1-7-22-dist-info-
zip/inputdir/packages_extracted/targz/1/packages_extracted/1/packages_extracted/1/packages_extracted/5/rabbitmq
_sidecar-1.7.22.dist-info/METADATA
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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto
AES in libhcrypto

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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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kdc/announce.c

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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.

(GEnie : OUTER; CIS : [71755,204]) Graven Imagery, 1992.

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Windows support

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lib/hcrypto/test_dh.c

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Metadata-Version: 2.0
Name: maglev-appctl
Version: 1.7.10
Summary: Maglev Python Application Controller (1.7.10)
Home-page: UNKNOWN
Author: UNKNOWN
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# Installation
+ Requires : Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

# How to test and develop in local mac
- Use pyvenv to create a virtual env in /opt/maglev
- u can either call the activate script to activate the virtualenv

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written offer, valid for at least three years and valid for as
long as you offer spare parts or customer support for that product
model, to give anyone who possesses the object code either (1) a
copy of the Corresponding Source for all the software in the
product that is covered by this License, on a durable physical
medium customarily used for software interchange, for a price no
more than your reasonable cost of physically performing this
conveying of source, or (2) access to copy the
Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the
written offer to provide the Corresponding Source. This
alternative is allowed only occasionally and noncommercially, and
only if you received the object code with such an offer, in accord
with subsection 6b.

d) 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
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* /opt/ws_local/PERMITS_SQL/1013966702_1594214784.99/0/cron-3-0pl1-org-tar-gz/cron-3.0pl1.orig/entry.c
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@(#)bitstring.3 5.1 (Berkeley) 12/13/89

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1013966702_1594214784.99/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/bitstring.3
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 * Paul Vixie <paul@vix.com> uunet!decwrl!vixie!paul
 */

$Id: INSTALL,v 2.5 1994/01/15 20:43:43 vixie Exp $

Read the comments at the top of the Makefile, then edit the area marked 'configurable stuff'.

Edit config.h. The stuff I expect you to change is down a bit from the top of the file, but it's clearly marked. Also look at pathnames.h.

You don't have to create the /var/cron or /var/cron/tabs directories, since
both the daemon and the `crontab' program will do this the first time they run if they don't exist. You do need to have a /var, though -- just "mkdir /var" if you don't have one, or you can "mkdir /usr/var; ln -s /usr/var /var" if you expect your /var to have a lot of stuff in it.

You will also need /usr/local/etc and /usr/bin directories unless you change the Makefile. These will have to be created by hand, but if you are a long-time Usenet user you probably have them already. /usr/local/man is where I keep my man pages, but I have the source for `man' and you probably do not. Therefore you may have to put the man pages into /usr/man/man1, which will be hard since there will be name collisions. (Note that the man command was originally written by Bill Joy before he left Berkeley, and it contains no AT&T code, so it is in UUNET's archive of freely-distributable BSD code.)

LINUX note: /usr/include/paths.h on some linux systems shows _PATH_SENDMAIL to be /usr/bin/sendmail even though sendmail is installed in /usr/lib. you should check this out.

say:
make all

su and say:
make install

Note that if I can get you to "su and say" something just by asking, you have a very serious security problem on your system and you should look into it.

Edit your /usr/lib/crontab file into little pieces -- see the CONVERSION file for help on this.

Use the `crontab' command to install all the little pieces you just created. Some examples (see below before trying any of these!)

crontab -u uucp -r /usr/lib/uucp/crontab.src
crontab -u news -r /usr/lib/news/crontab.src
crontab -u root -r /usr/adm/crontab.src

Notes on above examples: (1) the .src files are copied at the time the command is issued; changing the source files later will have no effect until they are reinstalled with another `crontab -r' command. (2) The crontab command will affect the crontab of the person using the command unless `-u USER' is given; `-u' only works for root. When using most `su' commands under most BSD's, `crontab' will still think of you as yourself even though you may think of yourself as root -- so use `-u' liberally. (3) the `-r' option stands for `replace'; check the man page for crontab(1) for other possibilities.
Kill your existing cron daemon -- do `ps aux' and look for /etc/cron.

Edit your /etc/rc or /etc/rc.local, looking for the line that starts up
/etc/cron. Comment it out and add a line to start the new cron daemon
-- usually /usr/local/etc/cron, unless you changed it in the Makefile.

Start up this cron daemon yourself as root. Just type /usr/local/etc/cron
(or whatever); no `&' is needed since the daemon forks itself and the
process you executed returns immediately.

ATT notes: for those people unfortunate enough to be stuck on a AT&T UNIX,
you will need the public-domain "libndir", found in the B News source and in
any comp.sources.unix archive. You will also need to hack the code some.
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 *
 $Id: crontab.1,v 2.4 1993/12/31 10:47:33 vixie Exp $

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1013966702_1594214784.99/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/crontab.1
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 * I'll try to keep a version up to date. I can be reached as follows:
 * Paul Vixie          <paul@vix.com>          uunet!decwrl!vixie!paul
 *
 $Id: cron.8,v 2.2 1993/12/28 08:34:43 vixie Exp $

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1013966702_1594214784.99/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/cron.8
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 * @(#)bitstring.h5.2 (Berkeley) 4/4/90
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* /opt/ws_local/PERMITS_SQL/1013966702_1594214784.99/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/bitstring.h

1.4883 libisccfg 1:9.9.5.dfsg-9+deb8u15
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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

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<!-- $Id: copyright.xsl,v 1.8 2009/07/10 23:47:58 tbox Exp $ -->

<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="1.0">
  <xsl:template name="isc.copyright.format">
    <xsl:param name="text"/>
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
    <xsl:text>&#10;</xsl:text>
    <xsl:variable name="rest" select="substring-after($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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  </xsl:variable>
</xsl:stylesheet>
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1.4884 libkmod 22 1ubuntu5.2

1.4885 libncurses-dev 6.1+20181013-2+deb10u1

1.4885.1 Available under license:

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-- vile: txtmode file-encoding=utf-8
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1.4886 constants-browserify 1.0.0

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* /opt/cola/permits/1110632703_1606843785.1/0/juliangruber-constants-browserify-v1-0-0-0-ge0ee990-1-tar-gz/juliangruber-constants-browserify-1ec9662/README.md

1.4887 libiptc0 1.8.3-2~bpo10+1

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 * /opt/cola/permits/1111379126_1606904703.18/0/netty-codec-http-4-1-16-final-sources-1-jar/io/netty/handler/codec/http/websocketx/WebSocket08FrameEncoder.java

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  jar/io/netty/handler/codec/spdy/DefaultSpdyDataFrame.java
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  jar/io/netty/handler/codec/spdy/DefaultSpdySynStreamFrame.java
* /opt/cola/permits/1111379126_1606904703.18/0/netty-codec-http-4-1-16-final-sources-1-
  jar/io/netty/handler/codec/spdy/DefaultSpdyStreamFrame.java
* /opt/cola/permits/1111379126_1606904703.18/0/netty-codec-http-4-1-16-final-sources-1-
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* /opt/cola/permits/1111379126_1606904703.18/0/netty-codec-http-4-1-16-final-sources-1-
  jar/io/netty/handler/codec/spdy/DefaultSpdyStreamFrame.java
* /opt/cola/permits/1111379126_1606904703.18/0/netty-codec-http-4-1-16-final-sources-1-
  jar/io/netty/handler/codec/spdy/DefaultSpdySynStreamFrame.java
* /opt/cola/permits/1111379126_1606904703.18/0/netty-codec-http-4-1-16-final-sources-1-
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* /opt/cola/permits/1111379126_1606904703.18/0/netty-codec-http-4-1-16-final-sources-1-
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* /opt/cola/permits/1111379126_1606904703.18/0/netty-codec-http-4-1-16-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdyFrameDecoderDelegate.java
* /opt/cola/permits/1111379126_1606904703.18/0/netty-codec-http-4-1-16-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdyFrameCodec.java
* /opt/cola/permits/1111379126_1606904703.18/0/netty-codec-http-4-1-16-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdyProtocolException.java
* /opt/cola/permits/1111379126_1606904703.18/0/netty-codec-http-4-1-16-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdyHeaderBlockZlibDecoder.java
* /opt/cola/permits/1111379126_1606904703.18/0/netty-codec-http-4-1-16-final-sources-1-
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lib/readline/doc/rluser.texi (part of the GNU Readline Library manual)

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1.4906 python3-lib2to3 3.6.9 1~18.04

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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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This is a non-exhaustive list of all the people who helped me improve the olefile project (formerly OleFileIO_PL), in approximative chronological order. Please contact me if I forgot to mention your name.

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- Martin Panter: conversion to Python 3.x/2.6+
- mete0r_kr: added support for file-like objects
- chuckleberryfinn: fixed bug in getproperties
- Martijn, Ben G.: bug report for 64 bits platforms
- hugovk: added support for Travis CI
- Jon Dufresne: improved isOleFile
- Philippe Lagadec: main author and maintainer since 2005
- and of course Fredrik Lundh: original author of OleFileIO from 1995 to 2005

See also the list of contributors on GitHub:
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1.4909 dezalgo 1.0.3
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Version 3, 29 June 2007

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

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dns.c - Recursive, Reentrant DNS Resolver.

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1.4920 ohc-core 0.4.4

1.4921 apache-cassandra 3.11.4

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The inverse error function implementation in the Erf class is based on CUDA
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1.4922 read-package-json 2.0.12
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1.4923 py3-gpsd 3.20-r1

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1.4924 json-stringify-safe 5.0.1

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1.4925 object.getownpropertydescriptors

2.0.3

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1.4926 etag 1.7.0

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1.4927 maglev-api 1.8.1

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Metadata-Version: 2.0
Name: maglev-api
Version: 1.8.1
Summary: Maglev API (1.8.1)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: PyYAML (==3.12)
Requires-Dist: monotonic (==1.1)
Requires-Dist: requests (==2.20.1)

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+ Requires: Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

Found in path(s):
* /opt/cola/permits/1176237521_1624655070.21/0/maglev-api-1-8-1-dist-info-
  zip/inputdir/packages_extracted/tar/1/packages_extracted/11/packages_extracted/usr/local/lib/python3.6/dist-
  packages/maglev_api-1.8.1.dist-info/METADATA

1.4928 libjbig 2.1-3.1build1

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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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1.4934 socks-proxy-agent 4.0.2

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socks-proxy-agent

==============

### A SOCKS proxy `http.Agent` implementation for HTTP and HTTPS

[![Build Status](https://travis-ci.org/TooTallNate/node-socks-proxy-agent.svg?branch=master)](https://travis-ci.org/TooTallNate/node-socks-proxy-agent)

This module provides an `http.Agent` implementation that connects to a
specified SOCKS proxy server, and can be used with the built-in `http`
or `https` modules.

It can also be used in conjunction with the `ws` module to establish a WebSocket
connection over a SOCKS proxy. See the "Examples" section below.

Installation

-------------

Install with `npm`:

```bash
$ npm install socks-proxy-agent
```


Examples
--------

#### `http` module example

```js
var url = require('url');
var http = require('http');
var SocksProxyAgent = require('socks-proxy-agent');

// SOCKS proxy to connect to
var proxy = process.env.socks_proxy || 'socks://127.0.0.1:9050';
console.log('using proxy server %j', proxy);

// HTTP endpoint for the proxy to connect to
console.log('attempting to GET %j', endpoint);
var opts = url.parse(endpoint);

// create an instance of the `SocksProxyAgent` class with the proxy server information
var agent = new SocksProxyAgent(proxy);

opts.agent = agent;

http.get(opts, function (res) {
    console.log("response" event!", res.headers);
    res.pipe(process.stdout);
});
```

#### `https` module example

```js
var url = require('url');
var https = require('https');
var SocksProxyAgent = require('socks-proxy-agent');

// SOCKS proxy to connect to
var proxy = process.env.socks_proxy || 'socks://127.0.0.1:9050';
console.log('using proxy server %j', proxy);

// HTTP endpoint for the proxy to connect to
console.log('attempting to GET %j', endpoint);
var opts = url.parse(endpoint);

// create an instance of the `SocksProxyAgent` class with the proxy server information
var agent = new SocksProxyAgent(proxy);
```
opts.agent = agent;

https.get(opts, function (res) {
    console.log("response" event!, res.headers);
    res.pipe(process.stdout);
});
```

#### `ws` WebSocket connection example

``` js
var WebSocket = require('ws');
var SocksProxyAgent = require('socks-proxy-agent');

// SOCKS proxy to connect to
var proxy = process.env.socks_proxy || 'socks://127.0.0.1:9050';
console.log('using proxy server %j', proxy);

// WebSocket endpoint for the proxy to connect to
var endpoint = process.argv[2] || 'ws://echo.websocket.org';
console.log('attempting to connect to WebSocket %j', endpoint);

// create an instance of the `SocksProxyAgent` class with the proxy server information
var agent = new SocksProxyAgent(proxy);

// initiate the WebSocket connection
var socket = new WebSocket(endpoint, { agent: agent });

socket.on('open', function () {
    console.log("open" event!);
    socket.send('hello world');
});

socket.on('message', function (data, flags) {
    console.log("message" event! %j %j", data, flags);
    socket.close();
});
```

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
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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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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
and the initial implementation of incremental propagation, including
the following new or changed files:

- include/iprop_hdr.h
- kadmin/server/ipropd_svc.c
- lib/kdb/iprop.x
- lib/kdb/kdb_convert.c
- lib/kdb/kdb_log.c
- lib/kdb/kdb_log.h
- lib/krb5/error_tables/kdb5_err.et
- slave/kpropd_rpc.c
- slave/kproplog.c

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1.4955 gmetric4j 1.0.10

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1.4956 libnpmaccess 3.0.2

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1.4957 zipkin-storage-elasticsearch-http

1.20.1

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Upstream-Name: lsof
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Comment: The following changes were made to the upstream tarball:
1.) The directory dialects/uw was removed for being non-DFSG and not needed in Debian.
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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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^L
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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
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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
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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 link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.
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#+STARTUP: showall

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

-----------------------------------------------------------------------------
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1.4964 pycurl 7.43.0 1ubuntu1

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**1.4978 maglev-appctl 1.5.3**

**1.4978.1 Available under license:**

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Metadata-Version: 2.0
Name: maglev-appctl
Version: 1.5.3
Summary: Maglev Python Application Controller (1.5.3)
Home-page: UNKNOWN
Author: UNKNOWN
# Installation

+ Requires : Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

# How to test and develop in local mac

- Use pyvenv to create a virtual env in /opt/maglev
- u can either call the activate script to activate the virtualenv

Found in path(s):
* /opt/cola/permits/1127086603_1612100343.73/0/maglev-appctl-1.5.3-dist-info-
  zip/inputdir/packages_extracted/tar/1/packages_extracted/11/packages_extracted/usr/local/lib/python3.5/site-
  packages/maglev_appctl-1.5.3.dist-info/METADATA

## 1.4979 python3-cffi-backend 1.11.5 1

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1.4985 json3 3.3.2
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# JSON 3 #

![JSON 3 Logo](https://bestiejs.github.io/json3/page/logo.png)
**JSON 3** is a modern JSON implementation compatible with a variety of JavaScript platforms. The current version is **3.3.2**.

- [Development Version](http://cdnjs.cloudflare.com/ajax/libs/json3/3.3.2/json3.js) *(43 KB; uncompressed with comments)*
- [Production Version](http://cdnjs.cloudflare.com/ajax/libs/json3/3.3.2/json3.min.js) *(3.5 KB; compressed and `gzip`-ped)*
- [Change Log](https://bestiejs.github.io/json3/changes.html)

Special thanks to [cdnjs](http://cdnjs.com/libraries/json3/) and [jsDelivr](http://www.jsdelivr.com/#!json3) for hosting CDN copies of JSON 3.

[JSON](http://json.org/) is a language-independent data interchange format based on a loose subset of the JavaScript grammar. Originally popularized by [Douglas Crockford](http://www.crockford.com/), the format was standardized in the [fifth edition](http://es5.github.io/) of the ECMAScript specification. The 5.1 edition, ratified in June 2011, incorporates several modifications to the grammar pertaining to the serialization of dates.


The JSON 3 parser does **not** use `eval` or regular expressions. This provides security and performance benefits in obsolete and mobile environments, where the margin is particularly significant. The complete [benchmark suite](http://jsperf.com/json3) is available on [jsPerf](http://jsperf.com/).

The project is [hosted on GitHub](http://git.io/json3), along with the [unit tests](http://bestiejs.github.io/json3/test/test_browser.html). It is part of the [BestieJS](https://github.com/bestiejs) family, a collection of best-in-class JavaScript libraries that promote cross-platform support, specification precedents, unit testing, and plenty of documentation.

# Changes from JSON 2 #

JSON 3

* Correctly serializes primitive wrapper objects.
* Throws a `TypeError` when serializing cyclic structures (JSON 2 recurses until the call stack overflows).
* Utilizes **feature tests** to detect broken or incomplete *native* JSON implementations (JSON 2 only checks for the presence of the native functions). The tests are only executed once at runtime, so there is no additional performance cost when parsing or serializing values.

**As of v3.2.3**, JSON 3 is compatible with [Prototype](http://prototypejs.org) 1.6.1 and older.

In contrast to JSON 2, JSON 3 **does not**
* Add `toJSON()` methods to the `Boolean`, `Number`, and `String` prototypes. These are not part of any standard, and are made redundant by the design of the `stringify()` implementation.
* Add `toJSON()` or `toISOString()` methods to `Date.prototype`. See the note about date serialization below.

## Date Serialization

**JSON 3 deviates from the specification in one important way**: it does not define `Date#toISOString()` or `Date#toJSON()`. This preserves CommonJS compatibility and avoids polluting native prototypes. Instead, date serialization is performed internally by the `stringify()` implementation: if a date object does not define a custom `toJSON()` method, it is serialized as a [simplified ISO 8601 date-time string](http://es5.github.com/#x15.9.1.15).

**Several native `Date#toJSON()` implementations produce date time strings that do *not* conform to the grammar outlined in the spec**. For instance, all versions of Safari 4, as well as JSON 2, fail to serialize extended years correctly. Furthermore, JSON 2 and older implementations omit the milliseconds from the date-time string (optional in ES 5, but required in 5.1). Finally, in all versions of Safari 4 and 5, serializing an invalid date will produce the string "Invalid Date", rather than `null`. Because these environments exhibit other serialization bugs, however, JSON 3 will override the native `stringify()` implementation.

Portions of the date serialization code are adapted from the [`date-shim` project](https://github.com/Yaffle/date-shim).

### Usage

**When used in a web browser**, JSON 3 exposes an additional `JSON3` object containing the `noConflict()` and `runInContext()` functions, as well as aliases to the `stringify()` and `parse()` functions.

#### `noConflict` and `runInContext`

* `JSON3.noConflict()` restores the original value of the global `JSON` object and returns a reference to the `JSON3` object.
* `JSON3.runInContext([context, exports])` initializes JSON 3 using the given `context` object (e.g., `window`, `global`, etc.), or the global object if omitted. If an `exports` object is specified, the `stringify()`, `parse()`,
`runInContext()` functions will be attached to it instead of a new object.
### Asynchronous Module Loaders
JSON 3 is defined as an [anonymous module](https://github.com/amdjs/amdjs-api/wiki/AMD#define-function-) for
compatibility with [RequireJS](http://requirejs.org/), [`curl.js`](https://github.com/cujojs/curl), and other
asynchronous module loaders.
<script src="//cdnjs.cloudflare.com/ajax/libs/require.js/2.1.10/require.js"></script>
<script>
require({
"paths": {
"json3": "./path/to/json3"
}
}, ["json3"], function (JSON) {
JSON.parse("[1, 2, 3]");
// => [1, 2, 3]
});
</script>
To avoid issues with third-party scripts, **JSON 3 is exported to the global scope even when used with a module
loader**. If this behavior is undesired, `JSON3.noConflict()` can be used to restore the global `JSON` object to its
original value.
**Note:** If you intend to use JSON3 alongside another module, **please do not simply concatenate these modules
together**, as that would cause multiple `define` calls in one script, resulting in errors in AMD loaders. The `r.js`
build optimizer can be used instead if you need a single compressed file for production.
## CommonJS Environments
var JSON3 = require("./path/to/json3");
JSON3.parse("[1, 2, 3]");
// => [1, 2, 3]
## JavaScript Engines
load("path/to/json3.js");
JSON.stringify({"Hello": 123, "Good-bye": 456}, ["Hello"], "\t");
// => '{\n\t"Hello": 123\n}'
# Compatibility #
JSON 3 has been **tested** with the following web browsers, CommonJS environments, and JavaScript engines.
## Web Browsers
- Windows [Internet Explorer](http://windows.microsoft.com/en-us/internet-explorer/download-ie), version 6.0 and
higher

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- Google [Chrome](http://www.google.com/chrome), version 19.0 and higher
- Mozilla [Firefox](https://www.mozilla.org/en-US/firefox/new/), version 2.0 and higher
- Apple [Safari](http://www.apple.com/safari), version 3.0 and higher
- [Opera](http://www.opera.com/) 8.54 and higher
- [SeaMonkey](http://www.seamonkey-project.org/) 1.0 and higher

## CommonJS Environments

- [Node](http://nodejs.org/) 0.6.21 and higher
- [io.js](https://iojs.org/) 1.0.3 and higher
- [RingoJS](http://ringojs.org/) 0.9 and higher
- [Narwhal](https://github.com/280north/narwhal) 0.3.2

## JavaScript Engines

- Mozilla [Rhino](https://developer.mozilla.org/en-US/docs/Mozilla/Projects/Rhino) 1.7R3 and higher
- WebKit [JSC](https://trac.webkit.org/wiki/JSC)
- Google [V8](http://code.google.com/p/v8/)

## Known Incompatibilities

* Attempting to serialize the `arguments` object may produce inconsistent results across environments due to specification version differences. As a workaround, please convert the `arguments` object to an array first: `JSON.stringify([].slice.call(arguments, 0))`.

## Required Native Methods

JSON 3 assumes that the following methods exist and function as described in the ECMAScript specification:

- The `Number`, `String`, `Array`, `Object`, `Date`, `SyntaxError`, and `TypeError` constructors.
- `String.fromCharCode`
- `Object#toString`
- `Object#hasOwnProperty`
- `Function#call`
- `Math.floor`
- `Number#toString`
- `Date#valueOf`
- `String.prototype`: `indexOf`, `charCodeAt`, `charAt`, `slice`, `replace`.
- `Array.prototype`: `push`, `pop`, `join`.

# Contribute #

Check out a working copy of the JSON 3 source code with [Git](http://git-scm.com):

```
$ git clone git://github.com/bestiejs/json3.git
$ cd json3
```

We ♥ bug reports, suggestions, questions, and pull requests! Please see our [contribution
JSON 3 is released under the [MIT License](http://kit.mit-license.org/).

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1.4986 x11-common 1:7.7+19ubuntu7.1

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Source Package: xorg

Debian/Ubuntu package authors: Branden Robinson, Fabio M. Di Nitto, Daniel Stone and others

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Clarification letter:

The following was received February 23, 2000
From: "Linn, John" <jlinn@rsasecurity.com>

February 19, 2000

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```
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```

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This is an attempt to acknowledge early contributions to the garbage
collector. Later contributions should instead be mentioned in
README.changes.

HISTORY -

Early versions of this collector were developed as a part of research
projects supported in part by the National Science Foundation
and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for
the Russell programming language implementation. The first version of the
garbage collector was written primarily by Al Demers. It was then refined
and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U.,
the University of Washington, Rice University (where it was first used for
C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant
contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in
README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser.
The Encore Multimax modifications were supplied by
Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely
due to Vernon Lee, on machines made available to Rice by IBM.
Much of the HP specific code and a number of good suggestions for improving the
generic code are due to Walter Underwood.
Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.
Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk)
subsequently provided updates and information on variation between ULTRIX
systems. Parag Patel (parag@netcom.com) supplied the A/UX code.
Jesper Petersen(jep@mtiame.mitia.oz.au), Michel Schinz, and
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.
Thomas Funke (thf@zelator.in-berlin.de(?)) and
Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and
Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks(agle@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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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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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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d) 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.

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.
All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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1.4995 maglev-manifest-converter 1.7.7
1.4995.1 Available under license:
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Summary: Maglev Manifest Converter (1.7.7)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: coverage

# Installation
+ Requires : Python 3.5

1. gradle dist

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1.4996.1 Available under license:
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1.4997 d3-time-format 2.1.3
1.4997.1 Available under license:
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* /opt/cola/permits/1114946298_1607575404.9/0/okhttp3/WebSocketListener.java
* /opt/cola/permits/1114946298_1607575404.9/0/okhttp3-3-7-0-sources-3-jar/okhttp3/internal/http/RetryAndFollowUpInterceptor.java
* /opt/cola/permits/1114946298_1607575404.9/0/okhttp3-3-7-0-sources-3-jar/okhttp3/internal/cache2/FileOperator.java
* /opt/cola/permits/1114946298_1607575404.9/0/okhttp3-3-7-0-sources-3-jar/okhttp3/internal/http/UnrepeatableRequestBody.java
* /opt/ cola/permits/1114946298_1607575404.9/0/okhttp3-3-7-0-sources-3-jar/okhttp3/internal/platform/JdkWithJettyBootPlatform.java
* /opt/cola/permits/1114946298_1607575404.9/0/okhttp3-3-7-0-sources-3-jar/okhttp3/internal/platform/AndroidPlatform.java
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1.5003 curl 7.38.0-4+deb8u11

1.5003.1 Available under license:

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libcurl http://curl.haxx.se/docs/copyright.html

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GnuTLS  http://www.gnutls.org/

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axTLS  http://axtls.sourceforge.net/

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c-ares  http://daniel.haxx.se/projects/c-ares/license.html

(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  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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1.5004 jcl-over-slf4j 1.7.22

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1.5005 virtualenv 20.4.6
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1.5006 object-component 0.0.3

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1.5007 netcat-traditional 1.10 41.1

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1.5008 babel-helper-hoist-variables 6.24.1

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1.5009 openssl-libs 1.1.1c-2.el8

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<signature of Ty Coon>, 1 April 1989
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The End

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1.5011 encodeurl 1.0.1

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1.5012 npm-registry-fetch 4.0.2

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1.5014 sed 4.2.2 7
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It was downloaded from http://www.amd64.org/support/microcode.html up to
version 20120910 (now: http://www.amd64.org/microcode.html). For version
20131007 onwards, it was built from the linux-firmware git repository at:
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-- vile:txtmode fc=72
-- $Id: COPYING,v 1.2 2014/01/18 23:59:29 tom Exp $
Upstream source http://invisible-island.net/ncurses/ncurses-examples.html

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1.5041 json5 2.1.0
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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)
Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
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modification of the work for the customer's own use and reverse
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of these things:

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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
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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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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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1.5043 py3-virtualenv 16.7.8-r0

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1.5045 is-buffer 1.1.4

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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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xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
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xmlns:db="http://docbook.org/ns/docbook">

<xsl:template name="isc.copyright.format">
  <xsl:param name="text"/>
  <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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</xsl:stylesheet>
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1.5047 hk2-api 2.4.0-b34

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1.5054 ply 3.11

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# PLY (Python Lex-Yacc) Version 3.11

![Build Status](https://travis-ci.org/dabeaz/ply.svg?branch=master)

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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:

```python
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:

```python
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.

```
# calc.py
#
# A simple calculator with variables.
#

tokens = (
    'NAME','NUMBER',
    'PLUS','MINUS','TIMES','DIVIDE','EQUALS',
    'LPAREN','RPAREN',
)
```
# Tokens

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

# Ignored characters

t_ignore = " \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
lex.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])

# Parsing rules

# Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283  51563
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]
    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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  jar/org/springframework/binding/expression/el/MapAdaptableELResolver.java
* /opt/cola/permits/1112481230_1607094265.12/0/spring-binding-2-3-0-release-sources-1-
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* /opt/cola/permits/1112481230_1607094265.12/0/spring-binding-2-3-0-release-sources-1-
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* /opt/cola/permits/1112481230_1607094265.12/0/spring-binding-2-3-0-release-sources-1-
  jar/org/springframework/binding/mapping/results/RequiredError.java
* /opt/cola/permits/1112481230_1607094265.12/0/spring-binding-2-3-0-release-sources-1-
  jar/org/springframework/binding/mapping/results/TargetAccessError.java
* /opt/cola/permits/1112481230_1607094265.12/0/spring-binding-2-3-0-release-sources-1-
  jar/org/springframework/binding/expression/el/LiteralExpression.java
* /opt/cola/permits/1112481230_1607094265.12/0/spring-binding-2-3-0-release-sources-1-
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* /opt/cola/permits/1112481230_1607094265.12/0/spring-binding-2-3-0-release-sources-1-
  jar/org/springframework/binding/expression/el/ParserContext.java
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  jar/org/springframework/binding/expression/el/DefaultELResolver.java
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  jar/org/springframework/binding/expression/support/LiteralExpression.java
* /opt/cola/permits/1112481230_1607094265.12/0/spring-binding-2-3-0-release-sources-1-
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1.5073 libcbin 2.23-0ubuntu3

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Description: Don't warn for _BSD_SOURCE || _SVID_SOURCE, drop post-vivid
Author: Adam Conrad <adconrad@ubuntu.com>

--- glibc-2.21.orig/include/features.h
+++ glibc-2.21/include/features.h
@@ -145,7 +145,10 @@
 transitioned to use the new macro. */
 #if (defined _BSD_SOURCE || defined _SVID_SOURCE) 
   &
+/* Don't #warn about _BSD_SOURCE || _SVID_SOURCE, as it breaks -Werror 
+ and we don't have time to check/fix everything before vivid release 
# warning "_BSD_SOURCE and _SVID_SOURCE are deprecated, use _DEFAULT_SOURCE"
+*/
+# undef _DEFAULT_SOURCE
+# define _DEFAULT_SOURCE1
+endif

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package gnu.classpath.tools.taglets;

import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.javadoc.Tag;

/**
 * A simple Taglet which handles Copyright information.
 */
public class CopyrightTaglet implements Taglet {

    private static final String NAME = "copyright";
    private static final String HEADER = "Copyright:";

    public String getName() {
        return NAME;
    }

    public boolean inField() {
        return true;
    }
}
public boolean inConstructor() {
    return true;
}

public boolean inMethod() {
    return true;
}

public boolean inOverview() {
    return true;
}

public boolean inPackage() {
    return true;
}

public boolean inType() {
    return true;
}

public boolean isInlineTag() {
    return false;
}

public static void register(Map tagletMap) {
    CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
    tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
}

public String toString(Tag tag) {
    return toString(new Tag[] { tag });
}

public String toString(Tag[] tags) {
    if (tags.length == 0) {
        return null;
    } else {
        boolean haveValidTag = false;
        for (int i = 0; i < tags.length && !haveValidTag; ++i) {
            if (tags[i].text().length() > 0) {
                haveValidTag = true;
            }
        }

        if (haveValidTag) {
            return null;
        }
    }
}
StringBuffer result = new StringBuffer();
result.append("<dl>");
for (int i = 0; i < tags.length; i++) {
    if (tags[i].text().length() > 0) {
        result.append("<dt><i>Copyright © " + tags[i].text() + "</i></dt>");
    }
}
result.append("</dl>");
return result.toString();
else {
    return null;
}
}
}

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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Otherwise, if the work is a derivative of the Library, you may
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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
#ifndef __java_security_Permission__
#define __java_security_Permission__

#pragma interface

#include <java/lang/Object.h>
extern "Java"
{
namespace java
{
namespace security
{
class Permission;
class PermissionCollection;
}
}
}

class java::security::Permission : public java::lang::Object
{
public:
  Permission(::java::lang::String *);
  virtual void checkGuard(::java::lang::Object *);
  virtual jboolean implies(::java::security::Permission *) = 0;
  virtual jboolean equals(::java::lang::Object *) = 0;
  virtual jint hashCode() = 0;
  virtual ::java::lang::String * getName();
  virtual ::java::lang::String * getActions() = 0;
  virtual ::java::lang::String * newPermissionCollection();
  virtual ::java::lang::String * toString();
private:
  static const jlong serialVersionUID = -563657022231596674LL;
  ::java::lang::String * __attribute__((aligned(__alignof__(::java::lang::Object)))) name;
public:
  static ::java::lang::Class class$;
};

#endif // __java_security_Permission__

@c Set file name and title for man page.
@setfilename gpl
@settitle GNU General Public License
@c man begin SEEALSO

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6b.

@item
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Corresponding Source along with the object code. If the place to copy
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one line to give the program's name and a brief idea of what it does.

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@end example

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@example
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@end example

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/* Permission.java -- The superclass for all permission objects

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package java.security;

import gnu.java.lang.CPStringBuilder;

import java.io.Serializable;

/**
 * This class is the abstract superclass of all classes that implement
 * the concept of a permission. A permission consists of a permission name
 * and optionally a list of actions that relate to the permission. The
 * actual meaning of the name of the permission is defined only in the
 * context of a subclass. It may name a resource to which access permissions
 * are granted (for example, the name of a file) or it might represent
 * something else entirely. Similarly, the action list only has meaning
 * within the context of a subclass. Some permission names may have no
 * actions associated with them. That is, you either have the permission
 * or you don't.
 *
 * <p>The most important method in this class is &lt;code&gt;implies&lt;/code&gt;. This
 * checks whether if one has this permission, then the specified
 * permission is also implied. As a conceptual example, consider the
 * permissions "Read All Files" and "Read File foo". The permission
 * "Read All Files" implies that the caller has permission to read the
 * file foo.
 *
 */
* <p> <code>Permission</code>’s must be immutable - do not change their
* state after creation.
*
* @author Aaron M. Renn (arenn@urbanophile.com)
* @see Permissions
* @see PermissionCollection
* @since 1.1
* @status updated to 1.4
*/
public abstract class Permission implements Guard, Serializable 
{ 
/**
  * Compatible with JDK 1.1+.
  */
private static final long serialVersionUID = -563657022231596674L;
/**
  * This is the name assigned to this permission object.
  *
  * @serial the name of the permission
  */
private String name;
/**
  * Create an instance with the specified name.
  *
  * @param name the permission name
  */
public Permission(String name)
{
  this.name = name;
}
/**
  * This method implements the <code>Guard</code> interface for this class.
  * It calls the <code>checkPermission</code> method in
  * <code>SecurityManager</code> with this <code>Permission</code> as its
  * argument. This method returns silently if the security check succeeds
  * or throws an exception if it fails.
  *
  * @param obj the <code>Object</code> being guarded - ignored by this class
  * @throws SecurityException if the security check fails
  * @see GuardedObject
  * @see SecurityManager#checkPermission(Permission)
  */
public void checkGuard(Object obj)
{
  SecurityManager sm = System.getSecurityManager();
if (sm != null)
  sm.checkPermission(this);
}

/**
 * This method tests whether this <code>Permission</code> implies that the
 * specified <code>Permission</code> is also granted.
 * @param perm the <code>Permission</code> to test against
 * @return true if perm is implied by this
 */
public abstract boolean implies(Permission perm);

/**
 * Check to see if this object equals obj. Use <code>implies</code>, rather
 * than <code>equals</code>, when making access control decisions.
 * @param obj the object to compare to
 */
public abstract boolean equals(Object obj);

/**
 * This method returns a hash code for this <code>Permission</code>. It
 * must satisfy the contract of <code>Object.hashCode</code>: it must be
 * the same for all objects that equals considers to be the same.
 * @return a hash value
 */
public abstract int hashCode();

/**
 * Get the name of this <code>Permission</code>.
 * @return the name
 */
public final String getName()
{
  return name;
}

/**
 * This method returns the list of actions for this <code>Permission</code>
 * as a <code>String</code>. The string should be in canonical order, for
 * example, both <code>new FilePermission(f, "write,read")</code> and
 * <code>new FilePermission(f, "read,write")</code> have the action list
 * "read,write".
 * @return the action list for this <code>Permission</code>
 */
public abstract String getActions();

/**
* This method returns an empty <code>PermissionCollection</code> object
* that can store permissions of this type, or <code>null</code> if no
* such collection is defined. Subclasses must override this to provide
* an appropriate collection when one is needed to accurately calculate
* <code>implies</code>.
*
* @return a new <code>PermissionCollection</code>
*/

public PermissionCollection newPermissionCollection()
{
    return null;
}

/**
* This method returns a <code>String</code> representation of this
* <code>Permission</code> object. This is in the format:
* <code>'(' + getClass().getName() + ' ' + getName() + ' ' + getActions
* + ')'</code>.
*
* @return this object as a <code>String</code>
*/

public String toString()
{
    CPStringBuilder string = new CPStringBuilder();

    string = string.append('(');
    string = string.append(getClass().getName());
    string = string.append(' ');
    string = string.append(getName());
    string = string.append(' ');
    if (!(getActions().equals('')))
    {
        string = string.append(' ');
        string = string.append(getActions());
    }

    string = string.append(')');
    return string.toString();
}

// class Permission

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Version 2.1, February 1999

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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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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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#
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# so that they have the form:
#
#   Copyright XXXX-YYYY Free Software Foundation, Inc.
#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
# update-copyright.pl --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
# update-copyright.pl --this-year libjava
#
# would run the script on just libjava/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__(self):
        self.num_errors = 0

    def report(self, filename, string):
        if filename:
    string = filename + ': ' + string
    sys.stderr.write (string + '\n')
    self.num_errors += 1

def ok (self):
    return self.num_errors == 0

class GenericFilter:
    def __init__ (self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set ([
            # Skip licence files.
            'COPYING',
            'COPYING.LIB',
            'COPYING3',
            'COPYING3.LIB',
            'LICENSE',
            'fdl.texi',
            'gpl_v3.texi',
            'fdl-1.3.xml',
            'gpl-3.0.xml',

            # Skip auto- and libtool-related files
            'aclocal.m4',
            'compile',
            'config.guess',
            'config.sub',
            'decomp',
            'install.sh',
            'libtool.m4',
            'ltmain.sh',
            'ltoptions.m4',
            'ltshlib.m4',
            'ltversion.m4',
            'lt--obsolete.m4',
            'missing',
            'mkdep',
            'mkinstall dirs',
            'move-if-change',
            'shlibpath.m4',
            'symlink-tree',
            'ylwrap',]}

    def ok (self):
        return self.num_errors == 0
def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile ('\t')
    return None

def skip_file (self, dir, filename):
    if filename in self.skip_files:
        return True
    (base, extension) = os.path.splitext (os.path.join (dir, filename))
    if extension in self.skip_extensions:
        return True
    if extension == '.in':  # Skip .in files produced by automake.
        if os.path.exists (base + '.am'):
            return True
        # Skip files produced by autogen
        if (os.path.exists (base + '.def')
            and os.path.exists (base + '.tpl')):
            return True
    # Skip configure files produced by autoconf
    if filename == 'configure':  # Skip configure files produced by autoconf
        if os.path.exists (base + '.ac'):
            return True
        if os.path.exists (base + '.in'):
            return True
    return False

def skip_dir (self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file (self, dir, filename):
if filename in self.fossilised_files:
    return True
# Only touch current current ChangeLogs.
if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
    return True
return False

def by_package_author (self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__ (self, errors):
        self.errors = errors

        # Characters in a range of years. Include '.' for typos.
        ranges = '[0-9][\-0-9,\s]\[s+and\[s+]*[0-9]'

        # Non-whitespace characters in a copyright holder's name.
        name = '\[\w,\-\]'

        # Matches one year.
        self.year_re = re.compile ('[0-9]+')

        # Matches part of a year or copyright holder.
        self.continuation_re = re.compile (ranges + '|' + name)

        # Matches a full copyright notice:
        self.copyright_re = re.compile (    # 1: 'Copyright (C)', etc.
            '(\[Cc\]opyright'    # 1: 'Copyright (C)', etc.
            '\[Cc\]opyright\[s+\[Cc\]\]'    # 1: 'Copyright (C)', etc.
            '\[Cc\]opyright\[s+\%s'    # 1: 'Copyright (C)', etc.
            '\[Cc\]opyright\[s+\&copy;'    # 1: 'Copyright (C)', etc.
            '\[Cc\]opyright\[s+\@copyright{ }]'    # 1: 'Copyright (C)', etc.
            '\[copyright = u"'    # 1: 'Copyright (C)', etc.
            '{@set\[s+copyright\[w-\]+}'

        # 2: the years. Include the whitespace in the year, so that
        # we can remove any excess.
        '\(s*(\?\+ ranges + \?\)'    # 2: the years. Include the whitespace in the year, so that
        '\[\@value\{[^\{}]*\}\])s+)'    # 2: the years. Include the whitespace in the year, so that

        # 3: 'by ', if used
        '\(by\[s+\)'    # 3: 'by ', if used

        # 4: the copyright holder. Don't allow multiple consecutive
        # spaces, so that right-margin gloss doesn't get caught
        # (e.g. gnat_ugn.texi).
'(' + name + '(?:\s?' + name + ')*)\)?

# A regexp for notices that might have slipped by. Just matching
# 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
# HTML header markers, so check for 'copyright' and two digits.
self.other_copyright_re = re.compile('copyright.*[0-9][0-9]',
                                          re.IGNORECASE)
self.comment_re = re.compile('#+|[*]+|;+|%+|//+|@c |dnl ')
self.holders = { '@copying': '@copying' }
self.holder_prefixes = set()

# True to 'quilt add' files before changing them.
self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s). Could be ',', '.
self.separator = ','

def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find (' ')
    while index >= 0:
        self.holder_prefixes.add (holder[:index])
        index = holder.find (' ', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__ (self, year):
        self.year = year

    def __str__ (self):
        return 'unrecognised year: ' + self.year

def parse_year (self, string):
    year = int (string)
    if len (string) == 2:
        if year > 70:
            return year + 1900
        elif len (string) == 4:
            return year
    raise self.BadYear (string)
def year_range (self, years):
    year_list = [self.parse_year (year)
        for year in self.year_re.findall (years)]
    assert len (year_list) > 0
    return (min (year_list), max (year_list))

def set_use_quilt (self, use_quilt):
    self.use_quilt = use_quilt

def include_year (self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years (self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith ('@value '):
        return years

    (min_year, max_year) = self.year_range (years)

    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file (dir, filename):
        max_year = max (max_year, self.max_year)

    # Use a range.
    if min_year == max_year:
        return '%d' % min_year
    else:
        return '%d-%d' % (min_year, max_year)

def strip_continuation (self, line):
    line = line.lstrip()
    match = self.comment_re.match (line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete (self, match):
    holder = match.group (4)
    return (holder
        and (holder not in self.holder_prefixes
            or holder in self.holders))

def update_copyright (self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join (dir, filename)
intro = match.group(1)
if intro.startswith('@set'):
    # Texinfo year variables should always be on one line
    after_years = line[match.end(2):].strip()
    if after_years != ':
        self.errors.report(pathname,
            'trailing characters in @set: ' + after_years)
        return (False, orig_line, next_line)
else:
    # If it looks like the copyright is incomplete, add the next line.
    while not self.is_complete(match):
        try:
            next_line = file.next()
        except StopIteration:
            break

        # If the next line doesn't look like a proper continuation,
        # assume that what we've got is complete.
        continuation = self.strip_continuation(next_line)
        if not self.continuation_re.match(continuation):
            break

        # Merge the lines for matching purposes.
        orig_line += next_line
        line = line.rstrip() + ' ' + continuation
        next_line = None

    # Rematch with the longer line, at the original position.
    match = self.copyright_re.match(line, match.start())
    assert match

    holder = match.group(4)

    # Use the filter to test cases where markup is getting in the way.
    if filter.by_package_author(dir, filename):
        assert holder not in self.holders

    elif not holder:
        self.errors.report(pathname, 'missing copyright holder')
        return (False, orig_line, next_line)

    elif holder not in self.holders:
        self.errors.report(pathname,
            'unrecognised copyright holder: ' + holder)
        return (False, orig_line, next_line)

    else:
# See whether the copyright is associated with the package
# author.
canon_form = self.holders[holder]
if not canon_form:
    return (False, orig_line, next_line)

# Make sure the author is given in a consistent way.
line = (line[:match.start (4)]
      + canon_form
      + line[match.end (4):])

# Remove any 'by'
line = line[:match.start (3)] + line[match.end (3):]

# Update the copyright years.
years = match.group (2).strip()
try:
    canon_form = self.canonicalise_years (dir, filename, filter, years)
except self.BadYear as e:
    self.errors.report (pathname, str (e))
    return (False, orig_line, next_line)

line = (line[:match.start (2)]
      + ('' if intro.startswith ('copyright = ') else ' ') +
      canon_form + self.separator
      + line[match.end (2):])

# Use the standard (C) form.
if intro.endswith ('right'):
    intro += ' (C)
elif intro.endswith ('(c)'):
    intro = intro[:-3] + '(C)
line = line[:match.start (1)] + intro + line[match.end (1):]

# Strip trailing whitespace
line = line.rstrip() + '\n'

return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)
        except OSError:
            pass
    return
lines = []
changed = False
line_filter = filter.get_line_filter (dir, filename)
with open (pathname, 'r') as file:
    prev = None
    for line in file:
        next_line = None
        # Leave filtered-out lines alone.
        if not (line_filter and line_filter.match (line)):
            match = self.copyright_re.search (line)
            if match:
                res = self.update_copyright (dir, filename, filter,
                                            file, line, match)
                (this_changed, line, next_line) = res
                changed = changed or this_changed

        # Check for copyright lines that might have slipped by.
        elif self.other_copyright_re.search (line):
            self.errors.report (pathname,
                                'unrecognised copyright: %s'
                                % line.strip())
            lines.append (line)
            line = next_line

    # If something changed, write the new file out.
    if changed and self.errors.ok():
        tmp_pathname = pathname + '.tmp'
        with open (tmp_pathname, 'w') as file:
            for line in lines:
                file.write (line)
        if self.use_quilt:
            subprocess.call (['quilt', 'add', pathname])
        os.rename (tmp_pathname, pathname)

def process_tree (self, tree, filter):
    for (dir, subdirs, filenames) in os.walk (tree):
        # Don't recurse through directories that should be skipped.
        for i in xrange (len (subdirs) - 1, -1, -1):
            if filter.skip_dir (dir, subdirs[i]):
                del subdirs[i]

        # Handle the files in this directory.
        for filename in filenames:
            if filter.skip_file (dir, filename):
                sys.stdout.write ('Skipping %s
' % os.path.join (dir, filename))

            if changed:
                tmp_pathname = pathname + '.tmp'
                with open (tmp_pathname, 'w') as file:
                    for line in lines:
                        file.write (line)
                if self.use_quilt:
                    subprocess.call (['quilt', 'add', pathname])
                os.rename (tmp_pathname, pathname)
else:
    self.process_file (dir, filename, filter)

class CmdLine:
    def __init__ (self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright (self.errors)
        self.dirs = []
        self.default_dirs = []
        self.chosen_dirs = []
        self.option_handlers = dict()
        self.option_help = []

        self.add_option ('--help', 'Print this help', self.o_help)
        self.add_option ('--quilt', '"quilt add" files before changing them',
                        self.o_quilt)
        self.add_option ('--this-year', 'Add the current year to every notice',
                        self.o_this_year)

        def add_option (self, name, help, handler):
            self.option_help.append ((name, help))
            self.option_handlers[name] = handler

        def add_dir (self, dir, filter = GenericFilter()):
            self.dirs.append ((dir, filter))

        def o_help (self, option = None):
            sys.stdout.write ('Usage: %s [options] dir1 dir2...

            Options:
' % sys.argv[0])
            format = '%-15s %s
'
            for (what, help) in self.option_help:
                sys.stdout.write (format % (what, help))
            sys.stdout.write ('
Directories:
')
            format = '%-25s
'
            i = 0
            for (dir, filter) in self.dirs:
                i += 1
                if i % 3 == 0 or i == len (self.dirs):
                    sys.stdout.write (dir + '\n')
                else:
                    sys.stdout.write (format % dir)
            sys.exit (0)

        def o_quilt (self, option):
            self.copyright.set_use_quilt (True)

        def o_this_year (self, option):


def main(self):
    for arg in sys.argv[1:]:
        if arg[1:] != '-':
            self.chosen_dirs.append(arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg](arg)
        else:
            self.errors.report(None, 'unrecognised option: ' + arg)
    if self.errors.ok():
        if len(self.chosen_dirs) == 0:
            self.chosen_dirs = self.default_dirs
        if len(self.chosen_dirs) == 0:
            self.o_help()
        else:
            for chosen_dir in self.chosen_dirs:
                canon_dir = os.path.join(chosen_dir, '')
                count = 0
                for (dir, filter) in self.dirs:
                    if (dir + os.sep).startswith(canon_dir):
                        count += 1
                self.copyright.process_tree(dir, filter)
                if count == 0:
                    self.errors.report(None, 'unrecognised directory: ' + chosen_dir)
                    sys.exit(0 if self.errors.ok() else 1)

#----------------------------------------------

class TopLevelFilter(GenericFilter):
    def skip_dir(self, dir, subdir):
        return True

class ConfigFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)
    def skip_file(self, dir, filename):
        if filename.endswith('.m4'):
            pathname = os.path.join(dir, filename)
            with open(pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find('gettext-') >= 0:
                    return True
            return GenericFilter.skip_file(self, dir, filename)

class GCCFilter(GenericFilter):

def __init__ (self):
    GenericFilter.__init__ (self)

    self.skip_files |= set ([
        # Not part of GCC
        'math-68881.h',
    ])

    self.skip_dirs |= set ([
        # Better not create a merge nightmare for the GNAT folks.
        'ada',

        # Handled separately.
        'testsuite',
    ])

    self.skip_extensions |= set ([
        # Maintained by the translation project.
        '.po',

        # Automatically-generated.
        '.pot',
    ])

    self.fossilised_files |= set ([
        # Old news won't be updated.
        'ONEWS',
    ])

class TestsuiteFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set ([
            # Don't change the tests, which could be woend by anyone.
            '.c',
            '.C',
            '.cc',
            '.h',
            '.hs',
            '.f',
            '.f90',
            '.go',
            '.inc',
            '.java',
        ])

        def skip_file (self, dir, filename):

        def __init__ (self):
            GenericFilter.__init__ (self)
# g++.niklas/README contains historical copyright information
# and isn't updated.
if filename == 'README' and os.path.basename(dir) == 'g++.niklas':
    return True
return GenericFilter.skip_file(self, dir, filename)

class LibCppFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_extensions |= set([
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        ])

class LibGCCFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_dirs |= set([
            # Imported from GLIBC.
            'soft-fp',
        ])

class LibJavaFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_dirs |= set([
            # Handled separately.
            'testsuite',

            # Not really part of the library
            'contrib',

            # Imported from upstream
            'classpath',
            'libltdl',
        ])

def get_line_filter(self, dir, filename):
    if filename == 'NameDecoder.h':
        return re.compile('.*NAME_COPYRIGHT')
    if filename == 'ICC_Profile.h':
        return re.compile('.*icSigCopyrightTag')
class LibMudflapFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ({
            # Handled separately.
            'testsuite',
        })

class LibStdCxxFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set ({
            # Contains no copyright of its own, but quotes the GPL.
            'intro.xml',
        })

        self.skip_dirs |= set ({
            # Contains automatically-generated sources.
            'html',

            # The testsuite data files shouldn't be changed.
            'data',

            # Contains imported images
            'images',
        })

        self.own_files |= set ({
            # Contains markup around the copyright owner.
            'spine.xml',
        })

    def get_line_filter (self, dir, filename):
        if filename == 'boost_concept_check.h':
            return re.compile ('// \(C\) Copyright Jeremy Siek')
        return GenericFilter.get_line_filter (self, dir, filename)

class GCCCopyright (Copyright):
    def __init__ (self, errors):
        Copyright.__init__ (self, errors)

        canon_fsf = 'Free Software Foundation, Inc.'
        self.add_package_author ('Free Software Foundation', canon_fsf)
        self.add_package_author ('Free Software Foundation.', canon_fsf)
class GCCCmdLine(CmdLine):
    def __init__(self):
        CmdLine.__init__(self, GCCCopyright)

        self.add_dir('.', TopLevelFilter())
        # boehm-gc is imported from upstream.
        self.add_dir('config', ConfigFilter())
        # contrib isn't really part of GCC.
        self.add_dir('fixincludes')
        self.add_dir('gcc', GCCFilter())
        self.add_dir(os.path.join('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir('gnattools')
        self.add_dir('include')
        self.add_dir('libada')
self.add_dir ('libatomic')
self.add_dir ('libbacktrace')
self.add_dir ('libcpp', LibCppFilter())
self.add_dir ('libdecnumber')
# libffi is imported from upstream.
self.add_dir ('libgcc', LibGCCFilter())
self.add_dir ('libgfortran')
self.add_dir ('libgomp')
self.add_dir ('libiberty')
self.add_dir ('libitm')
self.add_dir ('libjava', LibJavaFilter())
self.add_dir (os.path.join ('libjava', 'testsuite'), TestsuiteFilter())
self.add_dir ('libmudflap', LibMudflapFilter())
self.add_dir (os.path.join ('libmudflap', 'testsuite'), TestsuiteFilter())
self.add_dir ('libobjc')
self.add_dir ('libquadmath')
# libsanitiser is imported from upstream.
self.add_dir ('libssp')
self.add_dir ('libstdc++-v3', LibStdCxxFilter())
self.add_dir ('lto-plugin')
# zlib is imported from upstream.

self.default_dirs = [
    'gcc',
    'libada',
    'libatomic',
    'libbacktrace',
    'libcpp',
    'libdecnumber',
    'libgcc',
    'libgfortran',
    'libgomp',
    'libibm',
    'libmudflap',
    'libobjc',
    'libstdc++-v3',
]

GCCCmdLine().main()

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@ifex
@end iftex

@heading END OF TERMS AND CONDITIONS
@ifex
@end iftex
@ifinfo
@end ifinfo

@page
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<table>
<thead>
<tr>
<th>Program</th>
<th>Directory</th>
</tr>
</thead>
<tbody>
<tr>
<td>mach_override</td>
<td>lib/interception/mach_override</td>
</tr>
<tr>
<td>j1java/security/acl/Permissionjava/lang/Objectequals(Ljava/lang/Object;)ZtoString()Ljava/lang/String; SourceFilePermission.java</td>
<td></td>
</tr>
</tbody>
</table>

/* Definitions for BSD assembler syntax for Intel 386
   (actually AT&T syntax for insn and operands,
   adapted to BSD conventions for symbol names and debugging.)
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*/

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/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using underscores, we are using prefix `.'s to identify labels that should...*/
be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line
   that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE,SIZE)  
   fprintf (FILE, "\t.space HOST_WIDE_INT_PRINT_UNSIGNED\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line
   to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED)  
   ( fputs (".comm ", (FILE)),
     assemble_name ((FILE), (NAME)),
     fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line
   to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED)  
   ( fputs (".lcomm ", (FILE)),
     assemble_name ((FILE), (NAME)),
     fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  
   ( fputs (".lcomm ", (FILE)),
     assemble_name ((FILE), (NAME)),
     fprintf ((FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif
/* This is how to output an assembler line that says to advance the location counter to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG)
if ((LOG)!=0) fprintf ((FILE), "t.align %d\n", (LOG))

/* This is how to store into the string BUF the symbol_ref name of an internal numbered label where PREFIX is the class of label and NUM is the number within the class. This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)
sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX "_

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1
#define DBX_CONTIN_LENGTH 0

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1 [java/security/Permission java/lang/Object java/security/Guard java/io/Serializable serialVersionUID]
ConstantValue?(WQ~nameLjava/lang/String; <init>(Ljava/lang/String;) V Code
() V LineNumberTable LocalVariableTable this java/security/Permission;
checkGuard(L java/lang/Object;) V
! java/lang/System# getSecurityManager() java/lang/SecurityManager;
% & java/lang/SecurityManager() checkPermission(L java/security/Permission;) V obj java/lang/Object; sm java/lang/SecurityManager; implies(L java/security/Permission;) Z equals(L java/lang/Object;) Z hashCode() I getName() L java/lang/String;
getActions newPermissionCollection&() L java/security/PermissionCollection; toString gnu/java/lang/CPStringBuilder;
:
:> ? @ append“(C) L gnu/java/lang/CPStringBuilder;
BCD getClass() L java/lang/Class;
FHI java/lang/Class45
: J? K3 (L java/lang/String;) L gnu/java/lang/CPStringBuilder;
H
N65P
RTS java/lang/String01
: V95 string gnu/java/lang/CPStringBuilder;
SourceFilePermission.java!
F
**+[]**

XM, *, $ n o p
q *+
.- /012345/* 6578,95S:Y < L + (= L + * A E I L + = L + * M I L + ) = L + * U *
"*+?7" GNSKWXYZ

// DO NOT EDIT THIS FILE - it is machine generated -*. c++ -. *

#ifndef __java_security_acl_Permission__
#define __java_security_acl_Permission__

#pragma interface

#include <java/lang/Object.h>
extern "Java"
{
namespace java
{
namespace security
{
namespace acl
{
class Permission;
}
}
}
}
class java::security::acl::Permission : public ::java::lang::Object
{

public:
    virtual jboolean equals(::java::lang::Object *) = 0;
    virtual ::java::lang::String * toString() = 0;
    static ::java::lang::Class class$;
} __attribute__ ((java_interface));

#endif // __java_security_acl_Permission__

This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.

Robert Brazile (brazil@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dossier@src.dec.com) and Regis Criddig (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@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintaufmann@bigfoot.com) supplied the Amiga port.
Thomas Funke (thf@zelator.in-berlin.de(?)) and
Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and
Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks(agle@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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/**
 * This interface provides information about a permission that can be
 * granted.  Note that this is <em>not</em> the same as the class
 * <code>java.security.Permission</code>.
 *
 * @version 0.0
 *
 * @author Aaron M. Renn (arenn@urbanophile.com)
 */
public interface Permission
{
/**
* This method tests whether or not a specified <code>Permission</code>
* (passed as an <code>Object</code>) is the same as this permission.
*
* @param perm The permission to check for equality
* @return <code>true</code> if the specified permission is the same as this one, <code>false</code> otherwise
*/
boolean equals (Object perm);

/**
* This method returns this <code>Permission</code> as a <code>String</code>.
*
* @return A <code>String</code> representing this permission.
*/
String toString();
}

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.de Sp 
Vertical space (when we can't use .PP)
.if t .sp .5v
.if n .sp
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.de Vb 
Begin verbatim text
.ft CW
.nf
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..
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  .ds L" ""
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// DO NOT EDIT THIS FILE - it is machine generated -*- c++ -*-

#ifndef __gnu_javax_sound_AudioSecurityManager$Permission__
define __gnu_javax_sound_AudioSecurityManager$Permission__

#pragma interface

#include <java/lang/Enum.h>
#include <gcj/array.h>

extern "Java"
{
 namespace gnu
 {
 namespace javax
 {
 namespace sound
 {
  class AudioSecurityManager$Permission;
  }
 }
 }

 class gnu::javax::sound::AudioSecurityManager$Permission : public ::java::lang::Enum
 {
  AudioSecurityManager$Permission(::java::lang::String *, jint);
 public:
 static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * values();
 static ::gnu::javax::sound::AudioSecurityManager$Permission * valueOf(::java::lang::String *);
static ::gnu::javax::sound::AudioSecurityManager$Permission * PLAY;
static ::gnu::javax::sound::AudioSecurityManager$Permission * RECORD;
static ::gnu::javax::sound::AudioSecurityManager$Permission * ALL;
private:
static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * ENUMSVALUES;
public:
static ::java::lang::Class class$;
};
#endif // __gnu_javax_sound_AudioSecurityManager$Permission__

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PCRE JUST-IN-TIME COMPILATION SUPPORT

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STACK-LESS JUST-IN-TIME COMPILER
THE C++ WRAPPER FUNCTIONS

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1.5080 icss-replace-symbols 1.1.0

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1.5086 json-stable-stringify 1.0.1

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1.5088 console 1.12.0

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1.5089 minimatch 3.0.4

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1.5094 libfreetype 2.8.1 2ubuntu2.1

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1.5095 python3-5-venv 3.5.2
2ubuntu0~16.04.13

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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
In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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Mersenne Twister

The `_random` module includes code based on a download from
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.keio.ac.jp/~matumoto/emt.html
email: matumoto@math.keio.ac.jp

Sockets
-------

The `socket' module uses the functions, `getaddrinfo', and
'getnameinfo', which are coded in separate source files from the WIDE Project, 'http://www.wide.ad.jp/about/index.html'.

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with python standard

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```
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```

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```
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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1.5097 cpp 4.9.2-10+deb8u1

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```
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The current ubuntu release can be found at: http://archive.ubuntu.com/ubuntu/pool/main/i/initramfs-tools/

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## Example

```javascript
var cookie = require('cookie-signature');

var val = cookie.sign('hello', 'tobiiscool');
val.should.equal('hello.DGDUkGlIkCzPz+C0B064FNgHdEjox7ch8tOBGslZ5Ql');

var val = cookie.sign('hello', 'tobiiscool');
cookie.unsign(val, 'tobiiscool').should.equal('hello');
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This is Debian GNU/Linux's prepackaged version of the rlfe program.
This package was put together by Matthias Klose <doko@debian.org>.

Upstream source:
ftp.gnu.org:/pub/gnu/readline/readline-4.3.tar.gz.

Author: Per Bothner

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/* A front-end using readline to "cook" input lines for Kawa.
 * 
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 * 
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* Some code from Johnson & Troan: "Linux Application Development"
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1.5114 babel-helper-get-function-arity 6.24.1
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1.5115 to-regex-range 2.1.1
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1.5116 python-minimal 2.7.12
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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 the various releases.

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<th>Year</th>
<th>Owner</th>
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src/arc4random_openbsd.h
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This is Debian GNU/Linux's prepackaged version of the rlfe program.
This package was put together by Matthias Klose <doko@debian.org>.

Upstream source:
ftp.gnu.org:/pub/gnu/readline/readline-4.3.tar.gz.

Author: Per Bothner

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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.

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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.)

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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.

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This is an attempt to acknowledge early contributions to the garbage
collector. Later contributions should instead be mentioned in
README.changes.

HISTORY -

Early versions of this collector were developed as a part of research
projects supported in part by the National Science Foundation
and the Defense Advance Reserach 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@mtiame.mtia.oz.au), Michel Schinz, and
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.
Thomas Funke (thf@zelator.in-berlin.de(?)) and
Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dossor provided Alpha/OSF/1 code. He and
Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks(agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports.
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to
a Motorola 88K processor running CX/UX (Harris NightHawk).
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to
nonIBM development environments (a nontrivial task).
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.
David Chase, then at Olivetti Research, suggested several improvements.
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the
code to save and print call stacks for leak detection on a SPARC.
Jesse Hull and John Ellis supplied the C++ interface code.
Zhong Shao performed much of the experimentation that led to the
current typed allocation facility. (His dynamic type inference code hasn’t
made it into the released version of the collector, yet.)

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David Megginson, sax@megginson.com
1998-05-11

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* m4/ax_func_which_gethostbyname_r.m4

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Version 3.1, 31 March 2009

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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

* Benjamen Meyer <bm_witness@yahoo.com>
  * Security Warning Documentation update for proper capture

* Erik Tollerud <erik.tollerud@gmail.com>
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  * Google App Engine documentation

* 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 `HTTPRequest.stream()`.

* 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.

* [Your name or handle] <[email or website]>
  * [Brief summary of your changes]

### 1.5139 caffeine 2.2.6

### 1.5140 dot-prop 4.2.0

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1.5141 qs 1.2.2

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1.5142 aufs-tools 1:4.9+20170918-1ubuntu1

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1.5144 isemail 3.1.4

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1.5147 libbind 1:9.10.3.dfsg.P4-8ubuntu1.15

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1.5148 libxtst 2:1.2.2 1
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1.5149 xmltooling 1.4.4
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/**
* Encodes and decodes to and from Base64 notation.
* 
* Change Log:
* </p>
* </ul>
* </li>
* &lt;li&gt;v2.1 - Cleaned up javadoc comments and unused variables and methods. Added some convenience methods for reading and writing to and from files.&lt;/li&gt;
* &lt;li&gt;v2.0.2 - Now specifies UTF-8 encoding in places where the code fails on systems with other encodings (like EBCDIC).&lt;/li&gt;
* &lt;li&gt;v2.0.1 - Fixed an error when decoding a single byte, that is, when the encoded data was a single byte.&lt;/li&gt;
* &lt;li&gt;v2.0 - I got rid of methods that used booleans to set options. Now everything is more consolidated and cleaner. The code now detects when data that's being decoded is gzip-compressed and will decompress it automatically. Generally things are cleaner. You'll probably have to change some method calls that you were making to support the new options format (&lt;tt&gt;int&lt;/tt&gt;s that you "OR" together).&lt;/li&gt;
* &lt;li&gt;v1.5.1 - Fixed bug when decompressing and decoding to a byte[] using &lt;tt&gt;decode( String s, boolean gzipCompressed )&lt;/tt&gt;. Added the ability to "suspend" encoding in the OutputStream so you can turn on and off the encoding if you need to embed base64 data in an otherwise "normal" stream (like an XML file).&lt;/li&gt;
* &lt;li&gt;v1.5 - Output stream pases on flush() command but doesn't do anything itself. This helps when using GZIP streams. Added the ability to GZip-compress objects before encoding them.&lt;/li&gt;
* &lt;li&gt;v1.4 - Added helper methods to read/write files.&lt;/li&gt;
* &lt;li&gt;v1.3.6 - Fixed OutputStream.flush() so that 'position' is reset.&lt;/li&gt;
* &lt;li&gt;v1.3.5 - Added flag to turn on and off line breaks. Fixed bug in input stream where last buffer being read, if not completely full, was not returned.&lt;/li&gt;
* &lt;li&gt;v1.3.4 - Fixed when "improperly padded stream" error was thrown at the wrong time.&lt;/li&gt;
* &lt;li&gt;v1.3.3 - Fixed I/O streams which were totally messed up.&lt;/li&gt;
* &lt;/ul&gt;
* I am placing this code in the Public Domain. Do with it as you will. This software comes with no guarantees or
* warranties but with plenty of well-wishing instead! Please visit <a href="http://iharder.net/base64">http://iharder.net/base64</a> periodically to check for updates or to contribute
* improvements.

* <p>

* @author Robert Harder
* @author rob@iharder.net
* @version 2.1
*/

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* /opt/cola/permits/1114224941_1607455166.13/0/xmltooling-1.4.4-sources-2-
jar/org/opensaml/xml/util/Base64.java
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jar/org/opensaml/xml/namespace/X509SKI.java
* /opt/cola/permits/1114224941_1607455166.13/0/xmltooling-1.4.4-sources-2-
jar/org/opensaml/xml/security/x509/X509CredentialNameEvaluator.java
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* /opt/cola/permits/1114224941_1607455166.13/0/xmltooling-1-4-4-sources-2.jar/org/opensaml/xml/schema/xmltooling-1-4-4-sources-2.jar/org/opensaml/xml/schema/XSInteger.java
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jar/org/opensaml/xml/AbstractExtensibleXMLObjectUnmarshaller.java
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Schema for XML Signatures
http://www.w3.org/2000/09/xmldsig#
$Revision: 1.2 $ on $Date: 2005/06/03 03:09:54 $ by $Author: cantor$

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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "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.

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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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is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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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
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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
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When a "work that uses the Library" uses material from a header file
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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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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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link a "work that uses the Library" with the Library to produce a
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a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
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user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
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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
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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

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1.5162 certifi 2020.12.5

1.5162.1 Available under license:
This package contains a modified version of ca-bundle.crt:

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Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
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Metadata-Version: 2.0
Name: maglev-utils
Version: 1.7.7
Summary: Maglev Common Utilities (1.7.7)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: PyYAML (==3.12)
Requires-Dist: maglev-api (~=1.7.0)
Requires-Dist: monotonic (==1.1)

# Installation
+ Requires : Python 3.5 download the dmg and install, use pyenv to create a virtual environment

Found in path(s):
* /opt/cola/permits/1175808352_1624494174.83/0/maglev-utils-1-7-7-dist-info-
zip/inputdir/packages_extracted/targz/1/packages_extracted/3/packages_extracted/3/packages_extracted/62/maglev_utils-1.7.7.dist-info/METADATA
1.5175 openipmi 2.0.22 1.1ubuntu2.1

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import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.javadoc.Tag;

/**
 * A simple Taglet which handles Copyright information.
 */
public class CopyrightTaglet implements Taglet {

    private static final String NAME = "copyright";
    private static final String HEADER = "Copyright:";

    public String getName() {
        return NAME;
    }

    public boolean inField() {
        return true;
    }

    public boolean inConstructor() {
        return true;
    }

    public boolean inMethod() {
        return true;
    }
}
public boolean inOverview() {
return true;
}
public boolean inPackage() {
return true;
}
public boolean inType() {
return true;
}
public boolean isInlineTag() {
return false;
}
public static void register(Map tagletMap) {
CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
}
public String toString(Tag tag) {
return toString(new Tag[] { tag });
}
public String toString(Tag[] tags) {
if (tags.length == 0) {
return null;
}
else {
boolean haveValidTag = false;
for (int i = 0; i < tags.length && !haveValidTag; ++i) {
if (tags[i].text().length() > 0) {
haveValidTag = true;
}
}
if (haveValidTag) {
StringBuffer result = new StringBuffer();
result.append("<dl>");
for (int i = 0; i < tags.length; i++) {
if (tags[i].text().length() > 0) {
result.append("<dt><i>Copyright &#169; " + tags[i].text() + "</i></dt>");
}
}
result.append("</dl>");
return result.toString();

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That's all there is to it!

// DO NOT EDIT THIS FILE - it is machine generated -* c++ -*

#define __java_security_Permission__

#include <java/lang/Object.h>
extern "Java"
{
namespace java
{
namespace security
{
    class Permission;
    class PermissionCollection;
}
}

class java::security::Permission : public java::lang::Object
{

public:
    Permission(::java::lang::String *);
    virtual void checkGuard(::java::lang::Object *);
    virtual jboolean implies(::java::security::Permission *) = 0;
    virtual jboolean equals(::java::lang::Object *) = 0;
    virtual jint hashCode() = 0;
    virtual ::java::lang::String * getName();
virtual ::java::lang::String * getActions() = 0;
virtual ::java::security::PermissionCollection * newPermissionCollection();
virtual ::java::lang::String * toString();

private:
static const jlong serialVersionUID = -5636570222231596674LL;
::java::lang::String * __attribute__((aligned(__alignof__(::java::lang::Object)))) name;

public:
static ::java::lang::Class class$;
};

@end__java_security_Permission__
@ignore
@c Set file name and title for man page.
@setfilename gpl
@settitle GNU General Public License
@c man begin SEEALSO
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@end enumerate

@end enumerate

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@example

Also add information on how to contact you by electronic and paper mail.

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@var{program} Copyright (C) @var{year} @var{name of author}
This program comes with ABSOLUTELY NO WARRANTY; for details type @samp{show w}.
This is free software, and you are welcome to redistribute it
under certain conditions; type @samp{show c} for details.
@end smallexample

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@end c
/* Permission.java -- The superclass for all permission objects

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exception statement from your version.

package java.security;

import gnu.java.lang.CPStringBuilder;

import java.io.Serializable;

/**
 * This class is the abstract superclass of all classes that implement
 * the concept of a permission. A permission consists of a permission name
 * and optionally a list of actions that relate to the permission. The
 * actual meaning of the name of the permission is defined only in the
 * context of a subclass. It may name a resource to which access permissions
 * are granted (for example, the name of a file) or it might represent
 * something else entirely. Similarly, the action list only has meaning
 * within the context of a subclass. Some permission names may have no
 * actions associated with them. That is, you either have the permission
 * or you don't.
 *
 * <p>The most important method in this class is <code>implies</code>. This
 * checks whether if one has this permission, then the specified
 * permission is also implied. As a conceptual example, consider the
 * permissions "Read All Files" and "Read File foo". The permission
 * "Read All Files" implies that the caller has permission to read the
 * file foo.
 *
 * <p><code>Permission</code>'s must be immutable - do not change their
 * state after creation.
 *
 * @author Aaron M. Renn (arenn@urbanophile.com)
 * @see Permissions
 * @see PermissionCollection
 * @since 1.1
 * @status updated to 1.4
 */

public abstract class Permission implements Guard, Serializable
private static final long serialVersionUID = -563657022231596674L;

private String name;

public Permission(String name) {
    this.name = name;
}

public void checkGuard(Object obj) {
    SecurityManager sm = System.getSecurityManager();
    if (sm != null) {
        sm.checkPermission(this);
    }
}

public boolean implies(Permission perm) {
    return true;  // This should be implemented for actual logic
}

public boolean checkGuard(Permission perm) {
    return false;  // This should be implemented for actual logic
}

/**
 * This method tests whether this Permission implies that the specified Permission is also granted.
 * @param perm the Permission to test against
 * @return true if perm is implied by this
 */
public abstract boolean implies(Permission perm);

/**
 * Check to see if this object equals obj. Use <code>implies</code>, rather
 * than <code>equals</code>, when making access control decisions.
 *
 * @param obj the object to compare to
 */
public abstract boolean equals(Object obj);

/**
 * This method returns a hash code for this <code>Permission</code>. It
 * must satisfy the contract of <code>Object.hashCode</code>: it must be
 * the same for all objects that equals considers to be the same.
 *
 * @return a hash value
 */
public abstract int hashCode();

/**
 * Get the name of this <code>Permission</code>.
 *
 * @return the name
 */
public final String getName()
{
    return name;
}

/**
 * This method returns the list of actions for this <code>Permission</code>
 * as a <code>String</code>. The string should be in canonical order, for
 * example, both <code>new FilePermission(f, "write,read")</code> and
 * <code>new FilePermission(f, "read,write")</code> have the action list
 * "read,write".
 *
 * @return the action list for this <code>Permission</code>
 */
public abstract String getActions();

/**
 * This method returns an empty <code>PermissionCollection</code> object
 * that can store permissions of this type, or <code>null</code> if no
 * such collection is defined. Subclasses must override this to provide
 * an appropriate collection when one is needed to accurately calculate
 * <code>implies</code>.
 */
* @return a new `<code>PermissionCollection</code>`
*/
public PermissionCollection newPermissionCollection()
{
    return null;
}

/**
 * This method returns a `<code>String</code>` representation of this
 * `<code>Permission</code>` object. This is in the format:
 * `<code>'(' + getClass().getName() + ' ' + getName() + ' ' + getActions
 * + ')'</code>.
 *
 * @return this object as a `<code>String</code>`
 */
public String toString()
{
    CPStringBuilder string = new CPStringBuilder();

    string = string.append('(
    string = string.append(getClass().getName());
    string = string.append(' ');
    string = string.append(getName());
    string = string.append(')');
    string = string.append(getName());

    if (!getActions().equals(""))
    {
        string = string.append(' ');
        string = string.append(getActions());
    }

    string = string.append(')');
    return string.toString();
}
} // class Permission
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<?dbhtml filename="appendix_gpl.html"?>

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#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
#   update-copyright.pl --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
#   update-copyright.pl --this-year libjava
```
# would run the script on just libjava/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__ (self):
        self.num_errors = 0

def report (self, filename, string):
    if filename:
        string = filename + ' : ' + string
    sys.stderr.write (string + '
')
    self.num_errors += 1

def ok (self):
    return self.num_errors == 0

class GenericFilter:
    def __init__ (self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set ([
            # Skip licence files.
            'COPYING',
            'COPYING.LIB',
            'COPYING3',
            'COPYING3.LIB',
            'LICENSE',
            'fdl.texi',
            'gpl_v3.texi',
            'fdl-1.3.xml',
            'gpl-3.0.xml',

            # Skip auto- and libtool-related files
            'aclocal.m4',
            'compile',
            'config.guess',
        ])}
def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile ('\t')
    return None

def skip_file (self, dir, filename):
    if filename in self.skip_files:
        return True
    (base, extension) = os.path.splitext (os.path.join (dir, filename))
    if extension in self.skip_extensions:
        return True
    if extension == '.in':
        # Skip .in files produced by automake.
        if os.path.exists (base + '.am'):
            return True
    # Skip files produced by autogen
if (os.path.exists (base + '.def')
    and os.path.exists (base + '.tpl')):
    return True

# Skip configure files produced by autoconf
if filename == 'configure':
    if os.path.exists (base + '.ac'):
        return True
    if os.path.exists (base + '.in'):
        return True

return False

def skip_dir (self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file (self, dir, filename):
    if filename in self.fossilised_files:
        return True
    # Only touch current current ChangeLogs.
    if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
        return True
    return False

def by_package_author (self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__ (self, errors):
        self.errors = errors

        # Characters in a range of years. Include '.' for typos.
        ranges = '[0-9-]([-0-9-.\s]+and[\s]*[0-9-])'

        # Non-whitespace characters in a copyright holder's name.
        name = '\w\-\[\w\-\]

        # Matches one year.
        self.year_re = re.compile ('[0-9]+')

        # Matches part of a year or copyright holder.
        self.continuation_re = re.compile (ranges + '|' + name)

        # Matches a full copyright notice:
        self.copyright_re = re.compile (self.year_re = re.compile ("[0-9]+$")

        # Matches part of a year or copyright holder.
        self.continuation_re = re.compile (ranges + '|' + name)

        # Matches a full copyright notice:
        self.copyright_re = re.compile ("Copyright (C)\", etc.
        '(C)\copyright'\[C]oryright\s+\[C\]')
# 2: the years. Include the whitespace in the year, so that
# we can remove any excess.
'(\s*?:? + ranges + :)?
'[@value\{[^\}]*\}]\s*)'

# 3: 'by ', if used
'(by\s+)'?

# 4: the copyright holder. Don't allow multiple consecutive
# spaces, so that right-margin gloss doesn't get caught
# (e.g. gnat_ugn.texi).
'( + name + (?:\s?' + name + '+ *)?')

# A regexp for notices that might have slipped by. Just matching
# 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
# HTML header markers, so check for 'copyright' and two digits.
self.other_copyright_re = re.compile('copyright.*[0-9][0-9]',
  re.IGNORECASE)
self.comment_re = re.compile('#+|[*]+|;+|%+|//+|@c |dnl ')
self.holders = { '@copying': '@copying' }
self.holder_prefixes = set()

# True to 'quilt add' files before changing them.
self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s). Could be ', '.
self.separator = '

def add_package_author (self, holder, canon_form = None):
  if not canon_form:
    canon_form = holder
  self.holders[holder] = canon_form
  index = holder.find ('')
  while index >= 0:
    self.holder_prefixes.add(holder[:index])
    index = holder.find ('', index + 1)

def add_external_author (self, holder):
  self.holders[holder] = None
class BadYear():
    def __init__ (self, year):
        self.year = year

    def __str__ (self):
        return 'unrecognised year: ' + self.year

def parse_year (self, string):
    year = int (string)
    if len (string) == 2:
        if year > 70:
            return year + 1900
        else:
            raise self.BadYear (string)
    elif len (string) == 4:
        return year
    else:
        raise self.BadYear (string)

def year_range (self, years):
    year_list = [self.parse_year (year)
                 for year in self.year_re.findall (years)]
    assert len (year_list) > 0
    return (min (year_list), max (year_list))

def set_use_quilt (self, use_quilt):
    self.use_quilt = use_quilt

def include_year (self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years (self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith ('@value '):
        return years
    (min_year, max_year) = self.year_range (years)
    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file (dir, filename):
        max_year = max (max_year, self.max_year)
    # Use a range.
    if min_year == max_year:
        return '%d' % min_year
    else:
        return '%d-%d' % (min_year, max_year)

def strip_continuation (self, line):
line = line.lstrip()
match = self.comment_re.match (line)
if match:
    line = line[match.end():].lstrip()
return line

def is_complete (self, match):
    holder = match.group (4)
    return (holder
        and (holder not in self.holder_prefixes
            or holder in self.holders))

def update_copyright (self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join (dir, filename)

    intro = match.group (1)
    if intro.startswith ('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end (2):].strip()
        if after_years != '':
            self.errors.report (pathname,
                'trailing characters in @set: ' + after_years)
            return (False, orig_line, next_line)
    else:
        # If it looks like the copyright is incomplete, add the next line.
        while not self.is_complete (match):
            try:
                next_line = file.next()
            except StopIteration:
                break

        # If the next line doesn't look like a proper continuation,
        # assume that what we've got is complete.
        continuation = self.strip_continuation (next_line)
        if not self.continuation_re.match (continuation):
            break

        # Merge the lines for matching purposes.
        orig_line += next_line
        line = line.rstrip() + ' ' + continuation
        next_line = None

        # Rematch with the longer line, at the original position.
        match = self.copyright_re.match (line, match.start())
        assert match
holder = match.group(4)

# Use the filter to test cases where markup is getting in the way.
if filter.by_package_author(dir, filename):
    assert holder not in self.holders

elif not holder:
    self.errors.report(pathname, 'missing copyright holder')
    return (False, orig_line, next_line)

elif holder not in self.holders:
    self.errors.report(pathname,
                       'unrecognised copyright holder: ' + holder)
    return (False, orig_line, next_line)

else:
    # See whether the copyright is associated with the package
    # author.
    canon_form = self.holders[holder]
    if not canon_form:
        return (False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
    line = (line[:match.start(4)]
            + canon_form
            + line[match.end(4):])

    # Remove any 'by'
    line = line[:match.start(3)] + line[match.end(3):]

    # Update the copyright years.
    years = match.group(2).strip()
    try:
        canon_form = self.canonicalise_years(dir, filename, filter, years)
    except self.BadYear as e:
        self.errors.report(pathname, str(e))
        return (False, orig_line, next_line)

    line = (line[:match.start(2)]
            + ('' if intro.startswith('copyright = ') else ' ') + canon_form
            + self.separator + intro + canon_form
            + line[match.end(2):])

    # Use the standard (C) form.
    if intro.endswith('right'):
        intro += ' (C)'
    elif intro.endswith('(c)'):
intro = intro[:-3] + '(C)'
line = line[:match.start (1)] + intro + line[match.end (1):]

# Strip trailing whitespace
line = line.rstrip() + '\n'

return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)
        except OSError:
            pass
        return

    lines = []
    changed = False
    line_filter = filter.get_line_filter (dir, filename)
    with open (pathname, 'r') as file:
        prev = None
        for line in file:
            while line:
                next_line = None

                # Leave filtered-out lines alone.
                if not (line_filter and line_filter.match (line)):
                    match = self.copyright_re.search (line)
                    if match:
                        res = self.update_copyright (dir, filename, filter,
                                                    file, line, match)
                        (this_changed, line, next_line) = res
                        changed = changed or this_changed

                    # Check for copyright lines that might have slipped by.
                    elif self.other_copyright_re.search (line):
                        self.errors.report (pathname,
                                           'unrecognised copyright: %s' % line.strip())
                        lines.append (line)
                        line = next_line

                # If something changed, write the new file out.
                if changed and self.errors.ok():
                    tmp_pathname = pathname + '.tmp'
                    with open (tmp_pathname, 'w') as file:
                        for line in lines:
file.write (line)
if self.use_quilt:
    subprocess.call ([‘quilt’, ‘add’, pathname])
os.rename (tmp_pathname, pathname)

def process_tree (self, tree, filter):
    for (dir, subdirs, filenames) in os.walk (tree):
        # Don’t recurse through directories that should be skipped.
        for i in xrange (len (subdirs) - 1, -1, -1):
            if filter.skip_dir (dir, subdirs[i]):
                del subdirs[i]

        # Handle the files in this directory.
        for filename in filenames:
            if filter.skip_file (dir, filename):
                sys.stdout.write (‘Skipping %s\n’
                    % os.path.join (dir, filename))
            else:
                self.process_file (dir, filename, filter)

class CmdLine:
    def __init__ (self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright (self.errors)
        self.dirs = []
        self.default_dirs = []
        self.chosen_dirs = []
        self.option_handlers = dict()
        self.option_help = []

        self.add_option (‘--help’, ‘Print this help’, self.o_help)
        self.add_option (‘--quilt’, ‘“quilt add” files before changing them’,
            self.o_quilt)
        self.add_option (‘--this-year’, ‘Add the current year to every notice’,
            self.o_this_year)

    def add_option (self, name, help, handler):
        self.option_help.append ((name, help))
        self.option_handlers[name] = handler

    def add_dir (self, dir, filter = GenericFilter()):
        self.dirs.append ((dir, filter))

    def o_help (self, option = None):
        sys.stdout.write (‘Usage: %s [options] dir1 dir2...\n’
            % argv[0])
        format = ‘%-15s %s\n’
        for (what, help) in self.option_help:
            sys.stdout.write (format % (what, help))

    def o_quilt (self):
        if self.use_quilt:
            subprocess.call ([‘quilt’, ‘add’, self.pathname])
            os.rename (tmp_pathname, self.pathname)

    def o_this_year (self):
        if self.use_year:
            for filename in filenames:
                if filter.skip_file (dir, filename):
                    sys.stdout.write (‘Skipping %s\n’
                        % os.path.join (dir, filename))
                else:
                    self.process_file (dir, filename, filter)
sys.stdout.write(format % (what, help))
sys.stdout.write('Directories:
')

format = '%-25s'
i = 0
for (dir, filter) in self.dirs:
    i += 1
    if i % 3 == 0 or i == len(self.dirs):
        sys.stdout.write(dir + '
')
    else:
        sys.stdout.write(format % dir)
sys.exit(0)

def o_quilt(self, option):
    self.copyright.set_use_quilt(True)

def o_this_year(self, option):
    self.copyright.include_year(time.localtime().tm_year)

def main(self):
    for arg in sys.argv[1:]:
        if arg[1] != '-':
            self.chosen_dirs.append(arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg](arg)
        else:
            self.errors.report(None, 'unrecognised option: ' + arg)
if self.errors.ok():
    if len(self.chosen_dirs) == 0:
        self.chosen_dirs = self.default_dirs
    if len(self.chosen_dirs) == 0:
        self.o_help()
    else:
        for chosen_dir in self.chosen_dirs:
            canon_dir = os.path.join(chosen_dir, '')
            count = 0
            for (dir, filter) in self.dirs:
                if (dir + os.sep).startswith(canon_dir):
                    count += 1
                    self.copyright.process_tree(dir, filter)
            if count == 0:
                self.errors.report(None, 'unrecognised directory: ' + chosen_dir)
        sys.exit(0 if self.errors.ok() else 1)

#-----------------------------------------------------------------------------------

class TopLevelFilter(GenericFilter):
def skip_dir (self, dir, subdir):
    return True

class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    def skip_file (self, dir, filename):
        if filename.endswith ('.m4'):
            pathname = os.path.join (dir, filename)
            with open (pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find ('gettext-') >= 0:
                    return True
        return GenericFilter.skip_file (self, dir, filename)

class GCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set (['
            # Not part of GCC
            'math-68881.h',
        ])

        self.skip_dirs |= set (['
            # Better not create a merge nightmare for the GNAT folks.
            'ada',

            # Handled separately.
            'testsuite',
        ])

        self.skip_extensions |= set (['
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        ])

        self.fossilised_files |= set (['
            # Old news won't be updated.
            'ONEWS',
        ])

class TestsuiteFilter (GenericFilter):
    def __init__ (self):
GenericFilter.__init__(self)

self.skip_extensions |= set(['
    # Don't change the tests, which could be written by anyone.
    '.c',
    '.C',
    '.cc',
    '.h',
    '.hs',
    '.f',
    '.f90',
    '.go',
    '.inc',
    'java',
])

def skip_file(self, dir, filename):
    # g++.niklas/README contains historical copyright information
    # and isn't updated.
    if filename == 'README' and os.path.basename(dir) == 'g++.niklas':
        return True
    return GenericFilter.skip_file(self, dir, filename)

class LibCppFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_extensions |= set(['
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        '])

class LibGCCFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_dirs |= set(['
            # Imported from GLIBC.
            'soft-fp',
        ])
def get_line_filter(self, dir, filename):
    if filename == 'NameDecoder.h':
        return re.compile('.*NAME_COPYRIGHT')
    if filename == 'ICC_Profile.h':
        return re.compile('.*icSigCopyrightTag')
    return GenericFilter.get_line_filter(self, dir, filename)

class LibMudflapFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_dirs |= set([
            # Handled separately.
            'testsuite',
            # Not really part of the library
            'contrib',
            # Imported from upstream
            'classpath',
            'libltdl',
        ])

class LibStdCxxFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_files |= set([*
            # Contains no copyright of its own, but quotes the GPL.
            'intro.xml',
        ])

        self.skip_dirs |= set([*
            # Contains automatically-generated sources.
            'html',
            # The testsuite data files shouldn't be changed.
            'data',
            # Contains imported images
            'images',
        ])
self.own_files |= set([
    # Contains markup around the copyright owner.
    'spine.xml',
])

def get_line_filter(self, dir, filename):
    if filename == 'boost_concept_check.h':
        return re.compile('// (C) Copyright Jeremy Siek')
    return GenericFilter.get_line_filter(self, dir, filename)

class GCCCopyright(Copyright):
    def __init__(self, errors):
        Copyright.__init__(self, errors)

        canon_fsf = 'Free Software Foundation, Inc.'
        self.add_package_author('Free Software Foundation', canon_fsf)
        self.add_package_author('Free Software Foundation.', canon_fsf)
        self.add_package_author('Free Software Foundation Inc.', canon_fsf)
        self.add_package_author('Free Software Foundation, Inc', canon_fsf)
        self.add_package_author('The Free Software Foundation', canon_fsf)
        self.add_package_author('The Free Software Foundation, Inc', canon_fsf)
        self.add_package_author('Software Foundation, Inc', canon_fsf)

        self.add_external_author('ARM')
        self.add_external_author('AdaCore')
        self.add_external_author('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
        self.add_external_author('Cavium Networks.')
        self.add_external_author('Faraday Technology Corp.')
        self.add_external_author('Florida State University')
        self.add_external_author('Greg Colvin and Beman Dawes.')
        self.add_external_author('Hewlett-Packard Company')
        self.add_external_author('Information Technology Industry Council.')
        self.add_external_author('James Theiler, Brian Gough')
        self.add_external_author('Makoto Matsumoto and Takuji Nishimura,')
        self.add_external_author('National Research Council of Canada.')
        self.add_external_author('Peter Dimov and Multi Media Ltd.')
        self.add_external_author('Peter Dimov')
        self.add_external_author('Pipeline Associates, Inc.')
        self.add_external_author('Regents of the University of California.')
        self.add_external_author('Silicon Graphics Computer Systems, Inc.')
        self.add_external_author('Silicon Graphics')
        self.add_external_author('Stephen L. Moshier')
        self.add_external_author('Sun Microsystems, Inc. All rights reserved.')
        self.add_external_author('The Go Authors. All rights reserved.')
        self.add_external_author('The Regents of the University of California.')
self.add_external_author('Unicode, Inc.')
self.add_external_author('University of Toronto.')

class GCCCmdLine(CmdLine):
def __init__(self):
    CmdLine.__init__(self, GCCCopyright)

    self.add_dir('.', TopLevelFilter())
    # boehm-gc is imported from upstream.
    self.add_dir('config', ConfigFilter())
    # contrib isn't really part of GCC.
    self.add_dir('fixincludes')
    self.add_dir('gcc', GCCFilter())
    self.add_dir('config', ConfigFilter())
    self.add_dir('fixincludes')
    self.add_dir('gcc', GCCFilter())
    self.add_dir('testsuite',_testsuite, TestsuiteFilter())
    self.add_dir('gnattools')
    self.add_dir('include')
    self.add_dir('libada')
    self.add_dir('libatomic')
    self.add_dir('libbacktrace')
    self.add_dir('libcpp', LibCppFilter())
    self.add_dir('libdecnumber')
    # libffi is imported from upstream.
    self.add_dir('libgcc', LibGCCFilter())
    self.add_dir('libgfortran')
    self.add_dir('libgomp')
    self.add_dir('libiberty')
    self.add_dir('libitm')
    self.add_dir('libjava', LibJavaFilter())
    self.add_dir('libmudflap', LibMudflapFilter())
    self.add_dir('libobjc')
    self.add_dir('libquadmath')
    # libsanitiser is imported from upstream.
    self.add_dir('libssp')
    self.add_dir('libstdc++-v3', LibStdCxxFilter())
    self.add_dir('lto-plugin')
    self.add_dir('zlib')
    self.default_dirs = [
        'gcc',
        'libada',
        'libatomic',
        'libbacktrace',
        'libcpp',
        'libdecnumber',
        'libgcc',
        'libgfortran',
        'libgomp',
        'libiberty',
        'libitm',
        'libjava',
        'libmudflap',
        'libobjc',
        'libquadmath',
        'libstdc++-v3',
        'lto-plugin',
        'zlib']

Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 52645
GCCmdLine().main()

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Version 2.1, February 1999

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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

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for
you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many
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16/gnu/javasound/AudioSecurityManager$Permissionjava/lang/EnumPLAYILgnu/javasound/AudioSecurityManager$Permission;RECORDALLENUM$VALUES2[Lgnu/javasound/AudioSecurityManager$Permission;<clinit>()VCode

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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<div class="section">
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Developed by:

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That's all there is to it!

/* Definitions for BSD assembler syntax for Intel 386
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   adapted to BSD conventions for symbol names and debugging.)
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<http://www.gnu.org/licenses/>. */

/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo assembler, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using
underscores, we are using prefix `. 's to identify labels that should
be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line
that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE,SIZE) \  
fprintf (FILE, "\t.space %u\n", (int)(ROUNDED))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line
to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED) \  
( fputs (".comm ", (FILE)), \  
assemble_name ((FILE), (NAME)),\  
fprintf ((FILE), ".%u\n", (int)(ROUNDED)))
/* This says how to output an assembler line
   to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED)  \
    ( fputs (".lcomm ", (FILE)),			\ 
     assemble_name ((FILE), (NAME)),		\ 
     fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  \
    ( fputs (".lcomm ", (FILE)),			\ 
     assemble_name ((FILE), (NAME)),		\ 
     fprintf ((FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line
   that says to advance the location counter
   to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG)\  
    if ((LOG)!==0) fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF
   the symbol_ref name of an internal numbered label where
   PREFIX is the class of label and NUM is the number within the class.
   This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)  \
    sprintf ((BUF), ":%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */
#define USER_LABEL_PREFIX "_"

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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ConstantValue?
(WQ--name:Ljava/lang/String;) <init>(Ljava/lang/String;) VCode
() V LineNumberTable LocalVariableTable this Ljava/security/Permission;
checkGuard(Ljava/lang/Object;) V

! java/lang/System"#getSecurityManager()Ljava/lang/SecurityManager;
%& java/lang/SecurityManager()checkPermission(Ljava/security/Permission;) V objLjava/lang/Object; smLjava/lang/SecurityManager; implies(Ljava/security/Permission;) Z equals(Ljava/lang/Object; ) Z hashCode() I getName() Ljava/lang/String;
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F H

N65P
RTS java/lang/ String01
:V95stringL gnu/java/lang/CPStringBuilder;
SourceFilePermission.java!
F **+[]^ **

XM,,*Snop q *+ .- /012345* /6578,95S:Y <L+(=L+*AEIL.+ =L+*LIL,*MOQ+ =L+*MIL+)=L+U*
"+7>GNSKWXZY

// DO NOT EDIT THIS FILE - it is machine generated -. c++ -. #ifdef __java_security_acl_Permission__
#define __java_security_acl_Permission__

#pragma interface

#include <java/lang/Object.h>
extern "Java"
{
namespace java
{
namespace security
{
namespace acl
{
    class Permission;
}
}
}
}

class java::security::acl::Permission : public ::java::lang::Object
{
public:
    virtual jboolean equals(::java::lang::Object *) = 0;
    virtual ::java::lang::String * toString() = 0;
    static ::java::lang::Class class$;
} __attribute__((java_interface));

#endif // __java_security_acl_Permission__

This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:
More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser.
The Encore Multimax modifications were supplied by
Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely
due to Vernon Lee, on machines made available to Rice by IBM.
Much of the HP specific code and a number of good suggestions for improving the
generic code are due to Walter Underwood.
Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.
Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk)
subsequently provided updates and information on variation between ULTRIX
systems. Parag Patel (parag@netcom.com) supplied the A/UX code.
Jesper Peterson(jep@miiname.mtia.oz.au), Michel Schinz, and
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.
Thomas Funke (thf@zelator.in-berlin.de(?)) and
Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dosser supplied Alpha/OSF/1 code. He and
Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks(ace@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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package java.security.acl;

/**
 * This interface provides information about a permission that can be
 * granted. Note that this is *not* the same as the class
 * <code>java.security.Permission</code>.
 * *
 * @version 0.0
 * *
 * @author Aaron M. Renn (arenn@urbanophile.com)
 */

public interface Permission {
    /**
     * This method tests whether or not a specified <code>Permission</code>
     * (passed as an <code>Object</code>) is the same as this permission.
     * *
     * @param perm The permission to check for equality
     * *
     * @return <code>true</code> if the specified permission is the same as this one, <code>false</code> otherwise
     */
    boolean equals (Object perm);

    /**
     * This method returns this <code>Permission</code> as a <code>String</code>.
     * *
     * @return A <code>String</code> representing this permission.
     */
    String toString();
}

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// DO NOT EDIT THIS FILE - it is machine generated -*- c++ -*-

#ifndef __gnu_javax_sound_AudioSecurityManager$Permission__
#define __gnu_javax_sound_AudioSecurityManager$Permission__

#pragma interface

#include <java/lang/Enum.h>
#include <gcj/array.h>

extern "Java"
{
  namespace gnu
  {

namespace javax
{
    namespace sound
    {
        class AudioSecurityManager$Permission;
    }
}

class gnu::javax::sound::AudioSecurityManager$Permission : public ::java::lang::Enum
{
    AudioSecurityManager$Permission(::java::lang::String *, jint);

    public:
    static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * values();
    static ::gnu::javax::sound::AudioSecurityManager$Permission * valueOf(::java::lang::String *);
    static ::gnu::javax::sound::AudioSecurityManager$Permission * PLAY;
    static ::gnu::javax::sound::AudioSecurityManager$Permission * RECORD;
    static ::gnu::javax::sound::AudioSecurityManager$Permission * ALL;

    private:
    static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * ENUM$VALUES;

    public:
    static ::java::lang::Class class$;
};

#endif // __gnu_javax_sound_AudioSecurityManager$Permission__

1.5180 libicu-dev 63.1-6

1.5180.1 Available under license :

## -*- makefile -*-
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## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
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## others. All Rights Reserved.

## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -D PIC
## Additional flags when building libraries and with threads

THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path

LD_RPATH=
LD_RPATH_PRE=--Wl,-rpath,

## Compiler switch to embed a library name

LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options

LD_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix

SO = so

## Non-shared intermediate object suffix

STATIC_O = ao

## Compilation rules

%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules

%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \n| sed \"s/(\$\n)\(.*\)/\1\n.o : /g\n" > $@; \n[ -s $@ ] || rm -f $@' 

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \n| sed \"s/(\$\n)\(.*\)/\1\n.o : /g\n" > $@; \n[ -s $@ ] || rm -f $@' 

## Versioned libraries rules

%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%.%(SO): %.%(SO).%(SO_TARGET_VERSION_MAJOR)
%(RM) $@ && ln -s $(%F).%(SO).%(SO_TARGET_VERSION) $@

## Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic

# Dependencies [i.e. map files] for the final library
BIR_DEPS=

## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

## End BSD-specific setup
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* /opt/cola/permits/1176282583_1624666890.12/0/zipkin-storage-cassandra-1-20-1-sources-jar/zipkin/storage/cassandra/CassandraSpanStore.java
* /opt/cola/permits/1176282583_1624666890.12/0/zipkin-storage-cassandra-1-20-1-sources-jar/zipkin/storage/cassandra/LazySession.java
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* /opt/cola/permits/1176282583_1624666890.12/0/zipkin-storage-cassandra-1-20-1-sources-jar/zipkin/storage/cassandra/SessionFactory.java
* /opt/cola/permits/1176282583_1624666890.12/0/zipkin-storage-cassandra-1-20-1-sources-jar/zipkin/storage/cassandra/TimestampCodec.java
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1.5204 @babel/types 7.3.0
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1.5208 normalize-range 0.1.2

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1.5209 linux-libc-dev 4.15.0-139.143

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*/
1.5216 jcl-over-slf4j 1.7.7

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1.5218 maglev-appserver 1.8.26
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Metadata-Version: 2.0
Name: maglev-appserver
Version: 1.8.26
Summary: Maglev Python AppServer(1.8.26)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 52925

Requirements:

- Jinja2 (>=2.11.3)
- MarkupSafe (>=1.1.1)
- aiohttp (>=2.2.5)
- aiohttp-swatch (>=1.0.4)
- async-timeout (>=1.4.0)
- chardet (>=3.0.4)
- importlib-metadata (>=2.0.0)
- influxdb (>=3.0.0)
- jaeger-client (>=3.8.0)
- jsonschema (>=2.5.1)
- maglev-appctl (~=1.7.0)
- maglev-fips (~=1.0.0)
- motor (>=1.1)
- multidict (>=4.7.6)
- obigraph (>=3.1.0)
- opentracing (>=1.3.0)
- opentracing-instrumentation (>=2.4.0)
- pika (>=0.10.0)
- py-zipkin (>=0.4.4)
- pyJwt (>=1.5.1)
- pyformance (>=0.3.4)
- pymongo (>=3.10.1)
- python-json-logger (>=0.1.5)
- requests (>=2.25.1)
- setuptools (>=41.2.0)
- setuptools-scm (>=3.4.3)
- tornado (>=4.5.3)
- urllib3 (>=1.24.3)
- uvloop (>=0.7.0)
- yarl (>=0.18.0)
- zipp (>=1.0.0)

# Installation
+ Requires: Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

# How to test and develop in local mac
- Use pyvenv to create a virtual env in /opt/maglev
- u can either call the activate script to activate the virtualenv

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* /opt/cola/permits/1176028478_1624576929.79/0/maglev-appserver-1.8.26-dist-info-
  zip/inputdir/packages_extracted/targz/1/packages_extracted/2/packages_extracted/2/packages_extracted/51/maglev_appserver-1.8.26.dist-info/METADATA
1.5219 co 4.6.0
1.5219.1 Available under license:
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1.5220 kmod 22-1ubuntu5.2
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This is the Debian GNU/Linux prepackaged version of kmod.

It has been packaged by Marco d'Itri &lt;md@linux.it&gt;.

Original sources were obtained from:
http://www.kernel.org/pub/linux/utils/kernel/kmod/

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1.5221 hostname 3.16ubuntu2

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This package was written by Peter Tobias <tobias@et-inf.fho-emden.de> on Thu, 16 Jan 1997 01:00:34 +0100.

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hostname -- set the host name or show the host/domain name

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1.5222 wget 1.17.1 1ubuntu1.2

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J. Ramos Goncalves <ramos@debian.org> on Thu, 13 Feb 1997 23:15:18 +0000
Nicols Lichtmaier <nick@debian.org> on Sat, 18 Oct 1997 21:23:12 -0300
Nol Kthe <noel@debian.org> on Mon, 18 Feb 2002 09:53:00 +0100

It was downloaded from ftp://ftp.gnu.org/gnu/wget/
Homepage: http://www.gnu.org/directory/wget.html
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Upstream Author: Giuseppe Scrivano <gscrivano@gnu.org>

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1.5223 make-dir 1.3.0

1.5223.1 Available under license :

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1.5224 libfcgi-perl 0.78 2build1
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Upstream-Name: FCGI
Upstream-Contact: Karen Etheridge <ether@cpan.org>
Source: https://metacpan.org/release/FCGI

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1.5225 libexif-dev 0.6.21-5.1

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1.5227 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.

```python
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',
        ]
    }

    setup(**arguments)

```
'Programming Language :: Python :: 3.4',
'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/1048322310_1600402643.89/0/idna-2-9-zip/idna-2.9/setup.py
No license file was found, but licenses were detected in source scan.

License: BSD-like
Classifier: License :: OSI Approved :: BSD License

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1048322310_1600402643.89/0/idna-2-9-zip/idna-2.9/PKG-INFO
* /opt/ws_local/PERMITS_SQL/1048322310_1600402643.89/0/idna-2-9-zip/idna-2.9/idna.egg-info/PKG-INFO

1.5228 normalize-path 3.0.0
1.5228.1 Available under license :

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1.5229 zulu 7.9.0.2

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1.5232 libpam-modules 1.1.8-3.1+deb8u2+b1

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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;
+    int f;

Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 52962
/* 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;
}
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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1.5233 source-map 0.5.7

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1.5234 snake-yaml 1.12
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1.5236 aiohttp-swagger 1.0.4

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1.5237 erlang-public-key 1:22.3.4.16-1

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The following was received February 23, 2000
From: "Linn, John" <jlinn@rsasecurity.com>

February 19, 2000

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Name: bgp-manager
Version: 1.7.14
Summary: BGP Manager Service (1.7.14)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
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Platform: UNKNOWN
Requires-Dist: PyYAML (==3.12)
Requires-Dist: cachetools (=2.0.0)
Requires-Dist: configparser (==4.0.2)
Requires-Dist: dnspython (==1.16.0)
Requires-Dist: importlib-metadata (==2.0.0)
Requires-Dist: kubernetes (==10.0.0)
Requires-Dist: maglev (~=1.7.0)
Requires-Dist: maglev-api (~=1.7.0)
Requires-Dist: maglev-appserver (~=1.8.0)
Requires-Dist: maglev-common (~=1.7.0)
# Installation

+ Requires : Python 3.5 download the dmg and install, use pyenv to create a virtual environment

Found in path(s):

`* /opt/cola/permits/1175805839_1624493632.78/0/bgp-manager-1.7-14-dist-info-
    zip/inputdir/packages_extracted/targz/1/packages_extracted/3/packages_extracted/3/packages_extracted/35/bgp_ma-
    nager-1.7.14.dist-info/METADATA`

## 1.5239 parse-srcset 1.0.2

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1.5240 libmpfr4 3.1.2-2

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1.5241 jackson-mapper-asl 1.9.13

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1.5242 commons-collections 3.2.2

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* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-jar/org/apache/commons/collections/functors/TransformerClosure.java
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* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-jar/org/apache/commons/collections/Closure.java
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jar.org/apache/commons/collections/functors/SwitchClosure.java
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  jar/org/apache/commons/collections/map/AbstractReferenceMap.java
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  jar/org/apache/commons/collections/BufferUnderflowException.java
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  jar/org/apache/commons/collections/TransformerUtils.java
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  jar/org/apache/commons/collections/BufferOverflowException.java
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  jar/org/apache/commons/collections/SetUtils.java
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  jar/org/apache/commons/collections/CursorableLinkedList.java
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* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-jar/org/apache/commons/collections/iterators/ObjectGraphIterator.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-jar/org/apache/commons/collections/collection/AbstractSerializableCollectionDecorator.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-jar/org/apache/commons/collections/map/CaseInsensitiveMap.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-jar/org/apache/commons/collections/map/MultiKeyMap.java

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* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-
  jar/org/apache/commons/collections/iterators/ReverseListIterator.java

1.5243 wheel 0.29.0

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1.5244 certifi 2018.4.16

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This package contains a modified version of ca-bundle.crt:

ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011
This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
It contains the certificates in PEM format and therefore
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Just configure this file as the SSLCACertificateFile.

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1.5245 libarchive-extract-perl 0.72-1

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=pod

=head1 HOW IT WORKS

C<Archive::Extract> tries first to determine what type of archive you
are passing it, by inspecting its suffix. It does not do this by using
Mime magic, or something related. See C<CAVEATS> below.

Once it has determined the file type, it knows which extraction methods
it can use on the archive. It will try a perl solution first, then fall
back to a commandline tool if that fails. If that also fails, it will
return false, indicating it was unable to extract the archive.
See the section on C<GLOBAL VARIABLES> to see how to alter this order.

=head1 CAVEATS
=head2 File Extensions

C<Archive::Extract> trusts on the extension of the archive to determine what type it is, and what extractor methods therefore can be used. If your archives do not have any of the extensions as described in the C=new() method, you will have to specify the type explicitly, or C<Archive::Extract> will not be able to extract the archive for you.

=head2 Supporting Very Large Files

C<Archive::Extract> can use either pure perl modules or command line programs under the hood. Some of the pure perl modules (like C<Archive::Tar> and Compress::unLZMA) take the entire contents of the archive into memory, which may not be feasible on your system. Consider setting the global variable C<$Archive::Extract::PREFER_BIN> to C<1>, which will prefer the use of command line programs and won't consume so much memory.

See the C<GLOBAL VARIABLES> section below for details.

=head2 Bunzip2 support of arbitrary extensions.

Older versions of C</bin/bunzip2> do not support arbitrary file extensions and insist on a C.bz2 suffix. Although we do our best to guard against this, if you experience a bunzip2 error, it may be related to this. For details, please see the C<have_old_bunzip2> method.

=head1 GLOBAL VARIABLES

=head2 $Archive::Extract::DEBUG

Set this variable to C<true> to have all calls to command line tools be printed out, including all their output. This also enables C<Carp::longmess> errors, instead of the regular C<carp> errors.

Good for tracking down why things don't work with your particular setup.

Defaults to C<false>.

=head2 $Archive::Extract::WARN

This variable controls whether errors encountered internally by C<Archive::Extract> should be C<carp>'d or not.

Set to false to silence warnings. Inspect the output of the C<error()> method manually to see what went wrong.
Defaults to C<true>.

=header $Archive::Extract::PREFER_BIN

This variable controls whether C<Archive::Extract> should prefer the use of Perl modules, or commandline tools to extract archives.

Set to C<true> to have C<Archive::Extract> prefer commandline tools.

Defaults to C<false>.

=header TODO / CAVEATS

=over 4

=item Mime magic support

Maybe this module should use something like C<File::Type> to determine the type, rather than blindly trust the suffix.

=item Thread safety

Currently, C<Archive::Extract> does a C<chdir> to the extraction dir before extraction, and a C<chdir> back again after. This is not necessarily thread safe. See C<rt.cpan.org> bug C<#45671> for details.

=back

=header BUG REPORTS

Please report bugs or other issues to E<lt>bug-archive-extract@rt.cpan.orgE<gt>.

=header AUTHOR

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=cut

Found in path(s):
* /opt/cola/permits/1136857761_1613950671.36/0/libarchive-extract-perl-0.72-orig-1-tar-gz/Archive-Extract-0.72/lib/Archive/Extract.pm
No license file was found, but licenses were detected in source scan.

This is the README file for Archive::Extract, a perl module for generic archive extraction

Please refer to 'perldoc Archive::Extract' after installation for details.

#####################################################################

* Description

Archive::Extract

Archive::Extract is a generic archive extraction mechanism.

It allows you to extract .tgz, .tar, .gz and .zip files, using either perl modules or commandline tools

#####################################################################

* Installation

Archive::Extract follows the standard perl module install process

perl Makefile.PL
make
make test
make install

The module uses no C or XS parts, so no c-compiler is required.

#####################################################################

AUTHOR

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No license file was found, but licenses were detected in source scan.
abstract: 'Generic archive extracting mechanism'
author:
  - 'Jos Boumans <kane[at]cpan.org>'
buildRequires:
  ExtUtils::MakeMaker: 0
configureRequires:
  ExtUtils::MakeMaker: 0
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 6.86, CPAN::Meta::Converter version 2.13380'
license: perl
metaSpec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Archive-Extract
noIndex:
directory:
  - t
  - inc
requires:
  File::Basename: 0
  File::Path: 0
  File::Spec: 0.82
  IPC::Cmd: 0.64
  Locale::Maketext::Simple: 0
  Module::Load::Conditional: 0.04
  Params::Check: 0.07
  Test::More: 0
  if: 0
resources:
  repository: https://github.com/jib/archive-extract
  version: 0.72

Found in path(s):
  * /opt/cola/permits/1136857761_1613950671.36/0/libarchive-extract-perl-0-72-orig-1-tar-gz/Archive-Extract-0.72/META.yml

### 1.5246 libcap 1:2.25-2

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Upstream-Name: sensible-utils
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1.5252 d3-shape 1.2.0

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1.5253 is-alphanumerical 1.0.1

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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
3a0982da308228d796df35f98d787c5cfff2bb56.

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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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">
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</xsl:variable>

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  <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>
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**1.5263 argparse 1.2.1**

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**1.5264 maglev-appserver 1.8.14**

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Metadata-Version: 2.0
Name: maglev-appserver
Version: 1.8.14
Summary: Maglev Python AppServer(1.8.14)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: MarkupSafe (==1.0)
Requires-Dist: aiohttp (==2.2.5)
Requires-Dist: aiohttp-swagger (==1.0.4)
Requires-Dist: async-timeout (==1.4.0)
Requires-Dist: chariot (==3.0.4)
Requires-Dist: importlib-metadata (==2.0.0)
Requires-Dist: influxdb (==3.0.0)
Requires-Dist: jaeger-client (==3.8.0)
Requires-Dist: jsonschema (==2.5.1)
Requires-Dist: maglev-appctl (>=1.7.0)
Requires-Dist: motor (==1.1)
Requires-Dist: multidict (==4.7.6)
Requires-Dist: objgraph (==3.1.0)
Requires-Dist: opentracing (==1.3.0)
Requires-Dist: opentracing-instrumentation (==2.4.0)
Requires-Dist: pika (>=0.10.0)
Requires-Dist: py-zipkin (==0.4.4)
Requires-Dist: pyJWT (==1.5.1)
Requires-Dist: pyformance (==0.3.4)
Requires-Dist: pymongo (==3.10.1)
Requires-Dist: python-json-logger (==0.1.5)
Requires-Dist: requests (>=2.20.1)
Requires-Dist: setuptools (==41.2.0)
Requires-Dist: setuptools-scm (==3.4.3)
Requires-Dist: toml (==0.10.0)
Requires-Dist: tornado (>=4.5.3)
Requires-Dist: urllib3 (==1.24.3)
Requires-Dist: uvloop (==0.7.0)
Requires-Dist: yarl (==0.18.0)
Requires-Dist: zipp (==1.0.0)

# Installation
+ Requires: Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

# How to test and develop in local mac
- Use pyvenv to create a virtual env in /opt/maglev
- u can either call the activate script to activate the virtualenv

Found in path(s):
* /opt/cola/permits/1152123055_1618086778.11/0/maglev-appserver-1-8.14-dist-info-
zip/putdir/packages_extracted/targz/1/packages_extracted/2/packages_extracted/2/packages_extracted/42/maglev_appserver-1.8.14.dist-info/METADATA
# 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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1.5269 jetty-servlet 9.2.12.v20150709

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Fortuna in libhcrypto

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vis.c in libbroken

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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

AES in libhcrypto

@verbatim
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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kdc/announce.c

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DES core in libcrypto

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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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(GEnie : OUTER; CIS : [71755,204]) Graven Imagery, 1992.

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Windows support

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lib/hcrypto/test_dh.c
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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
the various releases.

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History of the software

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://www.cwi.nl/) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.
In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us/) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation; see http://www.zope.com/). In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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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
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Sockets
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MD5 message digest algorithm
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L. Peter Deutsch  
ghost@aladdin.com  

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at  
http://www.ietf.org/rfc/rfc1321.txt  
The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include any code or documentation that is identified in the RFC as being copyrighted.

The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.
1999-11-04 lpd Edited comments slightly for automatic TOC extraction.
1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5); added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.
1999-05-03 lpd Original version.

Asynchronous socket services  
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UUencode and UUdecode functions

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
  between ascii and binary. This results in a 1000-fold speedup. The C
  version is still 5 times faster, though.
- Arguments more compliant with Python standard

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python’s principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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1.5280 table-vis kibana

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**1.5281 maglev-appctl 1.7.14**

**1.5281.1 Available under license:**

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Metadata-Version: 2.0
Name: maglev-appctl
Version: 1.7.14
Summary: Maglev Python Application Controller (1.7.14)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: MarkupSafe (==1.1.1)
Requires-Dist: click (>=6.6)
Requires-Dist: click-completion (>=0.2.1)
Requires-Dist: hprof2flamegraph (>=0.0.6)
Requires-Dist: jinja2 (==2.8)
Requires-Dist: psutil (>=5.6.6)
Requires-Dist: pyJwt (==1.5.1)
Requires-Dist: requests (==2.25.1)
Requires-Dist: toml (==0.9.2)

# Installation
+ Requires : Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

# How to test and develop in local mac
- Use pyvenv to create a virtual env in /opt/maglev
- u can either call the activate script to activate the virtualenv

Found in path(s):
* /opt/cola/permits/1175807170_1624493809.75/0/maglev-appctl-1-7-14-dist-info-targz/1/packages_extracted/3/packages_extracted/3/packages_extracted/26/maglev_appctl-1.7.14.dist-info/METADATA

**1.5282 pyflame 1.6.6-1ubuntu1~ppa~1.gbp8fefec~bionic0**
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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iconv (Charset Conversion Library) v2.0

(28) Artem Bityuckiy (--enable-newlib-iconv)

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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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@item
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@item
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@item
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@end enumerate

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DRuntime: Runtime Library for the D Programming Language
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<tr>
<td>mach_override</td>
<td>lib/interception/mach_override</td>
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1.5290 @webassemblyjs/helper-api-error

1.7.10

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1.5291 hvac 0.2.16

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DRuntime: Runtime Library for the D Programming Language

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Version 3.1, 31 March 2009

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========

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were derived form the ones in the Monotone project, revision
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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1.5305 tar 1.28 2.1

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### 1.5306 glob 6.0.4

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1.5307 python-dbus 1.2.6 1

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1.5308 infer-owner 1.0.4

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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 publicly distributed Zip program.

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* 
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"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."

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Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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1.5313 path-is-inside 1.0.2
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1.5314 camelcase 1.2.1

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1.5315 libssh-config 0.9.4-2.el8

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1.5316 baz 1.0.0

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The levenshtein automata tables (under core/src/java/org/apache/lucene/util/automaton) were automatically generated with the moman/finemnight FSA library, created by Jean-Philippe Barrette-LaPierre. This library is available under an MIT license, see http://sites.google.com/site/rrettesite/moman and http://bitbucket.org/jpharrette/moman/overview/

The class org.apache.lucene.util.WeakIdentityMap was derived from the Apache CXF project and is Apache License 2.0.

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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 analysis/common/src/org/apache/lucene/analysis/en was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst) under the BSD-license.

The Arabic,Persian,Romanian,Bulgarian, Hindi and Bengali analyzers (common) come with a default stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:

analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt,
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

The German, Spanish, Finnish, French, Hungarian, Italian, Portuguese, Russian and Swedish light stemmers (common) are based on BSD-licensed reference implementations created by Jacques Savoy and Ljiljana Dolamic. These files reside in:

- 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
- 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

The Stempel analyzer (stempel) includes BSD-licensed software developed by the Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil, and Edmond Nolan.

The Polish analyzer (stempel) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt. See http://project.carrot2.org/license.html.

The SmartChineseAnalyzer source code (smartcn) was provided by Xiaoping Gao and copyright 2009 by www.imdict.net.

WordBreakTestUnicode_*.java (under modules/analysis/common/src/test/) is derived from Unicode data such as the Unicode Character Database. See http://unicode.org/copyright.html for more details.

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Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
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1.5318 python3-yaml 3.12 1build2
1.5318.1 Available under license:

This package was debianized by Scott Kitterman <scott@kitterman.com> on Fri, 09 Feb 2007 12:12:29 -0500.

The maintainer is Debian Python Modules Team <python-modules-team@lists.alioth.debian.org>

It was downloaded from http://pyyaml.org/

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1.5320 jmxtrans-output-jrobin 267
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1.5321 libseccomp2 2.2.3 3ubuntu3

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1.5322 path-is-absolute 1.0.1

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1.5323 https 1.0.0

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1.5324 lsb-base 9.20160110ubuntu0.2

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1.5325 python-cffi 0.8.6-1

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1.5326 protobuf-c 1.3.3-r1

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1.5327 object-assign 3.0.0

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1.5329 x11-common 1:7.7+13ubuntu3.1
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Source Package: xorg
Debian/Ubuntu package authors: Branden Robinson, Fabio M. Di Nitto, Daniel Stone and others

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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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***************
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History of the software
=======================

Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see https://www.cwi.nl/) in the Netherlands as a
successor of a language called ABC. Guido remains Python's principal author,
although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National
Research Initiatives (CNRI, see https://www.cnri.reston.va.us/) in Reston,
Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to
form the BeOpen PythonLabs team. In October of the same year, the PythonLabs
team moved to Digital Creations (now Zope Corporation; see
http://www.zope.com/). In 2001, the Python Software Foundation (PSF, see
https://www.python.org/psf/) was formed, a non-profit organization created
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All Python releases are Open Source (see https://opensource.org/ for the Open
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A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using `init_genrand(seed)`
or `init_by_array(init_key, key_length)`. 
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Sockets
-------

The :mod:`socket` module uses the functions, :func:`getaddrinfo`, and
:func:`getnameinfo`, which are coded in separate source files from the WIDE

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    Independent implementation of MD5 (RFC 1321).

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The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.
1999-11-04 lpd Edited comments slightly for automatic TOC extraction.
1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5); added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.
1999-05-03 lpd Original version.

Asynchronous socket services
----------------------------

The :mod:`asynchat` and :mod:`asyncore` modules contain the following notice::

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--------------

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with Python standard

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--------------------------

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-------------

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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.

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2.4.2  2.4.1  2005  PSF  yes
2.4.3  2.4.2  2006  PSF  yes
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2.5   2.4  2006  PSF  yes
2.5.1  2.5  2007  PSF  yes
2.5.2  2.5.1  2008  PSF  yes
2.5.3  2.5.2  2008  PSF  yes
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2.6.1  2.6  2008  PSF  yes
2.6.2  2.6.1  2009  PSF  yes
2.6.3  2.6.2  2009  PSF  yes
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#
# README for Debian packaging contributors #

This documentation describes how to contribute to the official Debian packages
of MariaDB. The packaging in Debian repositories is not identical to the packaging
in mariadb.org repositories, but whatever is in Debian repositories will eventually
be upstreamed.

## Development environment and tools

Use a recent version of Debian or Ubuntu as the environment for Debian packaging
testing and development. Preferred environment is Debian Sid (unstable).

Install the tool used to manage and build the source
sudo apt-get install git-buildpackage
## Getting the source

The official Debian package source is hosted on the Debian Gitlab server under the MariaDB/MySQL packaging team at https://salsa.debian.org/mariadb-team/. You are welcome to fork it and make merge requests.

To get the latest official Debian packaging source of mariadb-10.3, clone the source repository with all relevant branches (master, upstream, pristine-tar) to your local environment using `git-buildpackage`:

```
gbp clone --pristine-tar https://salsa.debian.org/mariadb-team/mariadb-10.3.git
```

If you have your own fork and SSH keys set up on Salsa, you can run:

```
gbp clone --pristine-tar git@salsa.debian.org:<username>/mariadb-10.3.git
```

The clone needs to be run only once. On later runs you can refresh your clone with relevant branches using

```
gbp pull --pristine-tar --force
```

## Building the packages

Build binaries, run testsuite and build Debian packages with `gbp buildpackage`

On the first run git-buildpackage will complain if some of the build dependencies defined in debian/control are missing. Simply install those packages and run the build again.

A quick command to install all dependencies:

```
sudo mk-build-deps -r -i debian/control -t "apt-get -y -o Debug::pkgProblemResolver=yes --no-install-recommends"
```

If the build fails, the easiest way to clean up before a new run is

```
git clean -fdx && git reset --hard
```

### Build options

If you want to skip the mysql-test-run step (which takes a lot of time) set the following environment variable:

```
export DEB_BUILD_OPTIONS="nocheck"
```

If you want to run the build in parallel on 2 CPUs and have verbose output:

```
export DEB_BUILD_OPTIONS="parallel=2 verbose"
```

The options above can also be combined freely to get desired behavior.
## Creating a feature or bugfix branch

The repository has the following branch layout:

- upstream - contains the upstream source releases without modifications
- pristine-tar - contains extra delta needed to re-create the original tarballs with the exactly same SHA-1 hash as the original tarballs by upstream
- master - packaging for Debian Sid (unstable)
- jessie - release branch for Debian 8 (jessie)
- stretch - release branch for Debian 9 (stretch)
- ubuntu-16.04 - release branch for Ubuntu 16.04 (xenial)
- ubuntu-18.04 - release branch for Ubuntu 18.04 (bionic)

All new features and also bugfixes are done only in the master branch. The release branches for Debian and Ubuntu are only used for security updates.

To prepare the Salsa pull request, create a bugfix branch from master with:

```
git checkout -b fix-example-name
```

After this you can develop with all the usual git commit and push commands until you have in your fork at Salsa the desired change and you are ready to open the merge request.

### Notes about how to make changes in the proper way

First consider submitting your patch upstream. Upstream MariaDB makes frequent maintenance releases and any fix done upstream will therefore be included in Debian relatively quickly. You can send email to the developers mailing list or open a pull request at https://github.com/MariaDB/server.

Follow these instructions if your fix is about packaging in Debian specifically. Start by using gitk or similar tool to browse the previous changes. Try to follow similar pattern in your new changes.

Keep in mind that all changes must done only for files residing in the debian/ subdirectory. If you need to create changes outside the debian/ directory, then you need to create a patch file using the same pattern as the patches found in debian/patches and activated by a line in debian/patches/series

Do not bundle in your commit any changes to debian/changelog. The correct changelog entries will be created later by the maintainer using git-dch in an automated fashion.

For an example of a patch adding commit see https://github.com/ottok/mariadb-10.0/commit/8d2a7c909

# Using Docker
First make a working directory for the build artefacts. Inside that directory clone the repository. Then start a Docker session using whatever Debian/Ubuntu image you want with the command:

docker run -it -v ${PWD}:/build -w /build debian:sid bash

This will start a session, where you are as the root user in the path /build inside the Docker container. Here you can cd into the source directory, install dependencies and start the build. Note that when you exit the session, everything will be lost apart from the files you had inside the mounted volume in /build.

# Using sbuild

If you prefer sbuild, you can build with something like:

```bash
gbp buildpackage --git-builder=sbuild -A -v -d unstable
```

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-------------------------------

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Contains: |
/*
 * This code implements the MD5 message-digest algorithm.
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 * written by Colin Plumb in 1993, no copyright is claimed.
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 *
 * Equivalent code is available from RSA Data Security, Inc.
 * This code has been tested against that, and is equivalent,
 * except that you don't need to include two pages of legalese
 * with every copy.
 *
 * The code has been modified by Mikael Ronstroem to handle
 * calculating a hash value of a key that is always a multiple
 * of 4 bytes long. Word 0 of the calculated 4-word hash value
 * is returned as the hash value.
 */

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Glob: msys/md5.c
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MMagic: text/plain
Contains: |
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/*
 * This code implements the MD5 message-digest algorithm.
 * The algorithm is due to Ron Rivest. This code was
 * written by Colin Plumb in 1993, no copyright is claimed.
 * This code is in the public domain; do with it what you wish.
 *
 * Equivalent code is available from RSA Data Security, Inc.
* This code has been tested against that, and is equivalent,
* except that you don't need to include two pages of legalese
* with every copy.
*
* To compute the message digest of a chunk of bytes, declare an
* MD5Context structure, pass it to MD5Init, call MD5Update as
* needed on buffers full of bytes, and then call MD5Final, which
* will fill a supplied 16-byte array with the digest.
*/

/* This code was modified in 1997 by Jim Kingdon of Cyclic Software to
not require an integer type which is exactly 32 bits. This work
draws on the changes for the same purpose by Tatu Ylonen
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  jar/org/springframework/jca/work/DelegatingWork.java
  * /opt/cola/permits/1111264293_1606892810.02/0/spring-tx-3-2-8-release-sources-1-
  jar/org/springframework/context/BootstrapContextAwareProcessor.java
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Found in path(s):
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  jar/org/springframework/transaction/support/ResourceHolder.java
  * /opt/cola/permits/1111264293_1606892810.02/0/spring-tx-3-2-8-release-sources-1-
  jar/org/springframework/jca/cci/core/CciOperations.java
  * /opt/cola/permits/1111264293_1606892810.02/0/spring-tx-3-2-8-release-sources-1-
  jar/org/springframework/transaction/support/ResourceHolderSupport.java
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  jar/org/springframework/jca/cci/object/EisOperation.java
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Found in path(s):
* /opt/cola/permits/1111264293_1606892810.02/0/spring-tx-3-2-8-release-sources-1-
  jar/org/springframework/dao/DeadlockLoserDataAccessException.java
* /opt/cola/permits/1111264293_1606892810.02/0/spring-tx-3-2-8-release-sources-1-
  jar/org/springframework/transaction/annotation/SpringTransactionAnnotationParser.java
* /opt/cola/permits/1111264293_1606892810.02/0/spring-tx-3-2-8-release-sources-1-
  jar/org/springframework/jca/cci/core/ConnectionCallback.java
* /opt/cola/permits/1111264293_1606892810.02/0/spring-tx-3-2-8-release-sources-1-
  jar/org/springframework/dao/TransientDataAccessException.java
* /opt/cola/permits/1111264293_1606892810.02/0/spring-tx-3-2-8-release-sources-1-
  jar/org/springframework/transaction/interceptor/MatchAlwaysTransactionAttributeSource.java
* /opt/cola/permits/1111264293_1606892810.02/0/spring-tx-3-2-8-release-sources-1-
  jar/org/springframework/transaction/interceptor/NoRollbackRuleAttribute.java
* /opt/cola/permits/1111264293_1606892810.02/0/spring-tx-3-2-8-release-sources-1-
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* /opt/cola/permits/1111264293_1606892810.02/0/spring-tx-3-2-8-release-sources-1-
  jar/org/springframework/jta/JtaAfterCompletionSynchronization.java
* /opt/cola/permits/1111264293_1606892810.02/0/spring-tx-3-2-8-release-sources-1-
  jar/org/springframework/jta/JtaTransactionManager.java
* /opt/cola/permits/1111264293_1606892810.02/0/spring-tx-3-2-8-release-sources-1-
  jar/org/springframework/jca/cci/core/InteractionCallback.java
* /opt/cola/permits/1111264293_1606892810.02/0/spring-tx-3-2-8-release-sources-1-
  jar/org/springframework/dao/support/ChainedPersistanceExceptionTranslator.java
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* /opt/cola/permits/1111264293_1606892810.02/0/spring-tx-3-2-8-release-sources-1-jar/org/springframework/transaction/support/TransactionSynchronizationManager.java
* /opt/cola/permits/1111264293_1606892810.02/0/spring-tx-3-2-8-release-sources-1-jar/org/springframework/transaction/transaction/support/TransactionSynchronization.java
* /opt/cola/permits/1111264293_1606892810.02/0/spring-tx-3-2-8-release-sources-1-jar/org/springframework/transaction/transaction/support/TransactionProxyFactoryBean.java
* /opt/cola/permits/1111264293_1606892810.02/0/spring-tx-3-2-8-release-sources-1-jar/org/springframework/transaction/transaction/support/TransactionSynchronization.java
* /opt/cola/permits/1111264293_1606892810.02/0/maglev/1.7.283/54050
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jar/org/springframework/jca/work/jboss/JBossWorkManagerTaskExecutor.java
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* /opt/cola/permits/1111264293_1606892810.02/0/spring-tx-3-2-8-release-sources-1-
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* /opt/cola/permits/1111264293_1606892810.02/0/spring-tx-3-2-8-release-sources-1-
jar/org/springframework/transaction/config/TxAdviceBeanDefinitionParser.java
* /opt/cola/permits/1111264293_1606892810.02/0/spring-tx-3-2-8-release-sources-1-
jar/org/springframework/transaction/annotation/TransactionManagementConfigurationSelector.java

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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

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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jar/org/springframework/transaction/TransactionTimedOutException.java
* /opt/cola/permits/1112481306_1607094252.62/0/spring-tx-3-1-1-release-sources-1-
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jar/org/springframework/transaction/PermissionDeniedDataAccessException.java
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  jar/org/springframework/dao/IncorrectResultSizeDataAccessException.java
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  jar/org/springframework/dao/QueryTimeoutException.java
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* /opt/cola/permits/1112481306_1607094252.62/0/spring-tx-3-1-1-release-sources-1-
jar/org/springframework/transaction/support/SmartTransactionObject.java
* /opt/cola/permits/1112481306_1607094252.62/0/spring-tx-3-1-1-release-sources-1-
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* /opt/cola/permits/1112481306_1607094252.62/0/spring-tx-3-1-1-release-sources-1-
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* /opt/cola/permits/1112481306_1607094252.62/0/spring-tx-3-1-1-release-sources-1-
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* /opt/cola/permits/1112481306_1607094252.62/0/spring-tx-3-1-1-release-sources-1-
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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.

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 vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
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 xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
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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;'))"/>
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1.5369 xz 5.2.4-1
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==================
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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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Mersenne Twister

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The `random` module includes code based on a download from `http://www.math.keio.ac.jp/~matumoto/MT2002/emt19937ar.html`. The
following are the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
or init_by_array(init_key, key_length).

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Any feedback is very welcome.
http://www.math.keio.ac.jp/matumoto/emt.html
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Sockets
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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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Julian Seward, Cambridge, UK.
jseward@bzip.org
bzip2/libbzip2 version 1.0.4 of 20 December 2006
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1.5375 slf4j-api 1.7.12

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  */opt/cola/permits/1110910119_1607378188.9/0/slf4j-api-1.7-12-sources-1.jar/org/slf4j/helpers/SubstituteLoggerFactory.java
  */opt/cola/permits/1110910119_1607378188.9/0/slf4j-api-1.7-12-sources-1.jar/org/slf4j/helpers/NOPLoggerFactory.java
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Requires-Dist: MarkupSafe (=1.0)
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+ Requires : Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

Found in path(s):
* /opt/cola/permits/1175832779_1624504207.22/0/cassandra-sidecar-1-7-20-dist-info-zip/inputdir/packages_extracted/targz/1/packages_extracted/1/packages_extracted/1/packages_extracted/46/cassandra_sidecar-1.7.20.dist-info/METADATA

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```

**1.5384 jackson-core 2.8.11**

**1.5384.1 Available under license :**

# Jackson JSON processor

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1.5389 json-simple 1.1

1.5390 isomorphic-fetch 2.2.1
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isomorphic-fetch ![Build Status](https://travis-ci.org/matthew-andrews/isomorphic-fetch.svg?branch=master)

Fetch for node and Browserify. Built on top of [GitHub's WHATWG Fetch polyfill](https://github.com/github/fetch).

## Warnings
- This adds `fetch` as a global so that its API is consistent between client and server.
- You must bring your own ES6 Promise compatible polyfill, I suggest [es6-promise](https://github.com/jakearchibald/es6-promise).

For [ease-of-maintenance and backward-compatibility reasons][why polyfill], this library will always be a polyfill. As a "safe" alternative, which does not modify the global, consider [fetch-ponyfill][].

[why polyfill]: https://github.com/matthew-andrews/isomorphic-fetch/issues/31#issuecomment-149668361
[fetch-ponyfill]: https://github.com/qubyte/fetch-ponyfill

## Installation

### NPM

```sh
```
sh

npm install --save isomorphic-fetch es6-promise
```

### Bower

```
sh

bower install --save isomorphic-fetch es6-promise
```

## Usage

```js
```
```

```js
```
require('isomorphic-fetch');
require('es6-promise').polyfill();

fetch('//offline-news-api.herokuapp.com/stories')
  .then(function(response) {
    if (response.status >= 400) {
      throw new Error("Bad response from server");
    }
    return response.json();
  })
  .then(function(stories) {
    console.log(stories);
  });
```

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

abstract: 'Build and install Perl modules'
author:
- 'Ken Williams <kwilliams@cpan.org>'
- 'Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-
build@perl.org>.
build_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
  license: http://dev.perl.org/licenses/
  repository: http://github.com/dagolden/module-build/
  version: 3

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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 strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) {
  skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
  my $current_year = (gmtime)[5] + 1900;
  is $v_year, $current_year, 'perl -v copyright includes current year';
  is $readme_year, $current_year, 'README copyright includes current year';


# Otherwise simply check that the two copyright dates match each other:
else
{
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
    open my $readme, '<', '../README' or die "Opening README failed: $!";

    # The copyright message is the first paragraph:
    local $/ = "";
    my $copyright_msg = <$readme>;

    my ($year) = $copyright_msg =~ /.*\b(\d{4,})\b/ ;
    or die "Year not found in README copyright message '$copyright_msg'";

    $year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{
    my $output = runperl switches => ['-v'];
    my ($year) = $output =~ /copyright 1987.*\b(\d{4,})\b/ ;
    or die "Copyright statement not found in perl -v output '$output'";

    $year;
}

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1.5396 krb5-conf 1.0-r2

1.5396.1 Available under license:

[ NOTE: MIT has only incorporated the mechglue and spnego change, and
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cmd/krb5/kadmin/server/ipropd_svc.c
cmd/krb5/kproplog/kproplog.c
cmd/krb5/slave/kpropdRpc.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
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lib/libgss/g_canon_name.c
lib/libgss/g_compare_name.c
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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
lib/libgss/g_init_sec_context.c
lib/libgss/g_initialize.c
lib/libgss/g_inquire_context.c
lib/libgss/g_inquire_cred.c
lib/libgss/g_inquire_names.c
lib/libgss/g_process_context.c
lib/libgss/g_rel_buffer.c
lib/libgss/g_rel_cred.c
lib/libgss/g_rel_name.c
lib/libgss/g_rel_oid_set.c
lib/libgss/g_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
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======================================================================

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"src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
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Julian Seward, jseward@bzip.org
bzlib2/libbzlib2 version 1.0.6 of 6 September 2010

---
abstract: 'Build and install Perl modules'

author:
- 'Ken Williams <kwilliams@cpan.org>'
- "Development questions, bug reports, and patches should be sent to the
Module-Build mailing list at <module-build@perl.org>.",

buildRequires:
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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Ty Coon, President of Vice

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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 strict;
use Config;
BEGIN { require './test.pl' }
if ( $Config{usecrosscompile} ) {
    skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now') {
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else {
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
    open my $readme, '<', '../README' or die "Opening README failed: $!";

    # The copyright message is the first paragraph:
    local $/ = " ";
    my $copyright_msg = <$readme>;

    my ($year) = $copyright_msg =~ /.*\b\d{4,}/s
        or die "Year not found in README copyright message $copyright_msg";

    $year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{

my $output = runperl switches => ['-v'];
my ($year) = $output =~ /copyright 1987.*\d\{4,\}\b/i
  or die "Copyright statement not found in perl -v output '$output'';
$year;
}

1.5398 debconf 1.5.61

1.5398.1 Available under license:
Format: http://dep.debian.net/deps/dep5/
Source: native package

Files: *
Copyright: 1999-2010 Joey Hess <joeyh@debian.org>
  2003 Tomohiro KUBOTA <kubota@debian.org>
  2004-2010 Colin Watson <cjwatson@debian.org>
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1.5399 winston-daily-rotate-file 1.3.1
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1.5400 jconsole-plugin 1.8.0_112

1.5400.1 Available under license:

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1.5401 jackson-core 2.9.10

1.5401.1 Available under license :

# Jackson JSON processor

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Version 2, June 1991

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

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The 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
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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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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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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.

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
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Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

// This file was generated by gir (https://github.com/gtk-rs/gir)
// from gir-files (https://github.com/gtk-rs/gir-files)
// DO NOT EDIT

use Cancellable;
use Error;
use ffi;
use glib;
use glib::object::Downcast;
use glib::object::IsA;
use glib::signal::SignalHandlerId;
use glib::signal::connect;
use glib::translate::*;
use glib_ffi;
use gobject_ffi;
use std::boxed::Box as Box_;
use std::mem;
use std::mem::transmute;
use std::ptr;

glib_wrapper! {
    pub struct Permission(Object<ffi::GPermission, ffi::GPermissionClass>);

    match fn {
        get_type => || ffi::g_permission_get_type(),
    }
}
pub trait PermissionExt {
    fn acquire<'a, P: Into<Option<&'a Cancellable>>>(&self, cancellable: P) -> Result<(), Error>;

    fn acquire_async<'a, P: Into<Option<&'a Cancellable>>, Q: FnOnce(Result<(), Error>) + Send + 'static>(&self, cancellable: P, callback: Q);

    fn get_allowed(&self) -> bool;

    fn get_can_acquire(&self) -> bool;

    fn get_can_release(&self) -> bool;

    fn impl_update(&self, allowed: bool, can_acquire: bool, can_release: bool);

    fn release<'a, P: Into<Option<&'a Cancellable>>>(&self, cancellable: P) -> Result<(), Error>;

    fn release_async<'a, P: Into<Option<&'a Cancellable>>, Q: FnOnce(Result<(), Error>) + Send + 'static>(&self, cancellable: P, callback: Q);

    fn connect_property_allowed_notify<F: Fn(&Self) + 'static>(&self, f: F) -> SignalHandlerId;

    fn connect_property_can_acquire_notify<F: Fn(&Self) + 'static>(&self, f: F) -> SignalHandlerId;

    fn connect_property_can_release_notify<F: Fn(&Self) + 'static>(&self, f: F) -> SignalHandlerId;
}

impl<O: IsA<Permission> + IsA<glib::object::Object>> PermissionExt for O {
    fn acquire<'a, P: Into<Option<&'a Cancellable>>>(&self, cancellable: P) -> Result<(), Error> {
        let cancellable = cancellable.into();
        let cancellable = cancellable.to_glib_none();
        unsafe {
            let mut error = ptr::null_mut();
                let _ = ffi::g_permission_acquire(self.to_glib_none().0, cancellable.0, &mut error);
            if error.is_null() { Ok(()) } else { Err(from_glib_full(error)) } } 
    }

    fn acquire_async<'a, P: Into<Option<&'a Cancellable>>, Q: FnOnce(Result<(), Error>) + Send + 'static>(&self, cancellable: P, callback: Q) {
        let cancellable = cancellable.into();
        let cancellable = cancellable.to_glib_none();
        let user_data: Box<Box<Q>> = Box::new(Box::new(callback));
        unsafe extern "C" fn acquire_async_trampoline<Q: FnOnce(Result<(), Error>) + Send + 'static>(_source_object: *mut gobject_ffi::GObject, res: *mut ffi::GAsyncResult, user_data: glib_ffi::gpointer) {
            callback_guard!();
            let mut error = ptr::null_mut();
            let _ = ffi::g_permission_acquire_finish(_source_object as *mut _, res, &mut error);
        }
    }

}
let result = if error.is_null() { Ok(()) } else { Err(from_glib_full(error)) };
let callback: Box<Box<Q>> = Box::from_raw(user_data as *mut _);
callback(result);
}
let callback = acquire_async_trampoline::<Q>;
unsafe {
    ffi::g_permission_acquire_async(self.to_glib_none().0, cancellable.0, Some(callback),
Box::into_raw(user_data) as *mut _);
}

fn get_allowed(&self) -> bool {
    unsafe {
        from_glib(ffi::g_permission_get_allowed(self.to_glib_none().0))
    }
}

fn get_can_acquire(&self) -> bool {
    unsafe {
        from_glib(ffi::g_permission_get_can_acquire(self.to_glib_none().0))
    }
}

fn get_can_release(&self) -> bool {
    unsafe {
        from_glib(ffi::g_permission_get_can_release(self.to_glib_none().0))
    }
}

fn impl_update(&self, allowed: bool, can_acquire: bool, can_release: bool) {
    unsafe {
        ffi::g_permission_impl_update(self.to_glib_none().0, allowed.to_glib(),
can_acquire.to_glib(), can_release.to_glib());
    }
}

fn release<'a, P: Into<Option<&'a Cancellable>>>(&self, cancellable: P) -> Result<(), Error> {
    let cancellable = cancellable.into();
    let cancellable = cancellable.to_glib_none();
    unsafe {
        let mut error = ptr::null_mut();
        let _ = ffi::g_permission_release(self.to_glib_none().0, cancellable.0, &mut error);
        if error.is_null() { Ok(()) } else { Err(from_glib_full(error)) }
    }
}

fn release_async<'a, P: Into<Option<&'a Cancellable>>, Q: FnOnce(Result<(), Error>) + Send + 'static>(&self,
cancellable: P, callback: Q) {
}
let cancellable = cancellable.into();
let cancellable = cancellable.to_glib_none();
let user_data: Box<Box<Q>> = Box::new(Box::new(callback));
unsafe extern "C" fn release_async_trampoline<Q: FnOnce(Result<(), Error>) + Send +
'static>(_source_object: *mut gobjectffi::GObject, res: *mut ffi::GAsyncResult, user_data: glibffi::gpointer) {
    callback_guard!();
    let mut error = ptr::null_mut();
    let _ = ffi::g_permission_release_finish(_source_object as *mut _, res, &mut error);
    let result = if error.is_null() { Ok(() as isize) } else { Err(from_glib_full(error)) };
    let callback: Box<Box<Q>> = Box::from_raw(user_data as *mut _);
    callback(result);
}
let callback = release_async_trampoline::<Q>;
unsafe {
    ffi::g_permission_release_async(self.to_glib_none().0, cancellable.0, Some(callback),
    Box::into_raw(user_data) as *mut _);
}

fn connect_property_allowed_notify<F: Fn(&Self) + 'static>(&self, f: F) -> SignalHandlerId {
    unsafe {
        let f: Box<_Box<_Fn(&Self) + 'static>> = Box::new(Box::new(f));
        connect(self.to_glib_none().0, "notify::allowed",
            transmute(notify_allowed_trampoline::<Self> as usize), Box::into_raw(f) as *mut _)
    }
}

fn connect_property_can_acquire_notify<F: Fn(&Self) + 'static>(&self, f: F) -> SignalHandlerId {
    unsafe {
        let f: Box<_Box<_Fn(&Self) + 'static>> = Box::new(Box::new(f));
        connect(self.to_glib_none().0, "notify::can-acquire",
            transmute(notify_can_acquire_trampoline::<Self> as usize), Box::into_raw(f) as *mut _)
    }
}

fn connect_property_can_release_notify<F: Fn(&Self) + 'static>(&self, f: F) -> SignalHandlerId {
    unsafe {
        let f: Box<_Box<_Fn(&Self) + 'static>> = Box::new(Box::new(f));
        connect(self.to_glib_none().0, "notify::can-release",
            transmute(notify_can_release_trampoline::<Self> as usize), Box::into_raw(f) as *mut _)
    }
}

unsafe extern "C" fn notify_allowed_trampoline<P>(this: *mut ffi::GPermission, _param_spec: glibffi::gpointer, f: glibffi::gpointer) where P: IsA<Permission> {
callback_guard!();
let f: &(&Fn(&P) + 'static) = transmute(f);
f(&Permission::from_glib_borrow(this).downcast_unchecked())
}

unsafe extern "C" fn notify_can_acquire_trampoline<P>(this: *mut ffi::GPermission, _param_spec: glib_ffi::gpointer, f: glib_ffi::gpointer)
where P: IsA<Permission> {
    callback_guard!();
    let f: &(&Fn(&P) + 'static) = transmute(f);
    f(&Permission::from_glib_borrow(this).downcast_unchecked())
}

unsafe extern "C" fn notify_can_release_trampoline<P>(this: *mut ffi::GPermission, _param_spec: glib_ffi::gpointer, f: glib_ffi::gpointer)
where P: IsA<Permission> {
    callback_guard!();
    let f: &(&Fn(&P) + 'static) = transmute(f);
    f(&Permission::from_glib_borrow(this).downcast_unchecked())
}

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jar/io/netty/util/internal/PriorityQueueNode.java

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jar/io/netty/util/SuppressForbidden.java
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(For example, a function in a library to compute square roots has

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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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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!
#ifndef __LICENSE_H
#define __LICENSE_H

static inline int license_is_gpl_compatible(const char *license)
{
    return (strcmp(license, "GPL") == 0
            || strcmp(license, "GPL v2") == 0
            || strcmp(license, "GPL and additional rights") == 0
            || strcmp(license, "Dual BSD/GPL") == 0
            || strcmp(license, "Dual MIT/GPL") == 0
            || strcmp(license, "Dual MPL/GPL") == 0);
}
#endif

/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com)
   * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
   *
   * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
   * http://www.hypermall.com/
   * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
   * interrupts us (except possibly for removal/insertion of the cable?)
   * 10/4/97 - began heavy inline documentation of the code. Corrected typos
   * and spelling mistakes.
   * 10/5/97 - added code to handle PHY interrupts, disable PHY on
   * loss of link, and correctly re-enable PHY when link is
*re-established. (put back CFG_PHYIE)
*  
* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
*  
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
*  
* Linux driver for the IDT77201 NICStAR PCI ATM controller.  
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;  
* see init_nicstar() for PHY initialization to change this. This driver  
* expects the Linux ATM stack to support scatter-gather lists  
* (skb->atm.iovcnt != 0) for Rx skb’s passed to vcc->push.
*  
* Implementing minimal-copy of received data:  
* IDT always receives data into a small buffer, then large buffers  
* as needed. This means that data must always be copied to create  
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)  
* Fix is simple: make large buffers large enough to hold entire  
* SDU, and leave <small_buffer_data> bytes empty at the start. Then  
* copy small buffer contents to head of large buffer.  
* Trick is to avoid fragmenting Linux, due to need for a lot of large  
* buffers. This is done by 2 things:  
* 1) skb->destructor / skb->atm.recycle_buffer  
* combined, allow nicstar_free_rx_skb to be called to  
* recycle large data buffers  
* 2) skb_clone of received buffers  
* See nicstar_free_rx_skb and linearize_buffer for implementation  
* details.  
*  
*  
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* M. Welsh, 6 July 1996  
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Diego Picciani <d.picciani@novacomp.it>
for CyberLogin for Linux which allows logging onto EON
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for the nxt2004 frontend driver

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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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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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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://www.cwi.nl/) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author,
although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us/) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation; see http://www.zope.com/). In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
or init_by_array(init_key, key_length).

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Sockets
-------

The :mod:`socket` module uses the functions, :func:`getaddrinfo`, and :func:`getnameinfo`, which are coded in separate source files from the WIDE Project, http://www.wide.ad.jp/. ::

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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.
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--------------------------

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--------

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Original location:
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-------------

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September 27, 2012
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David Megginson <sax@megginson.com>
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Clarification letter:

The following was received February 23, 2000
From: "Linn, John" <jlinn@rsasecurity.com>

February 19, 2000

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Metadata-Version: 2.0
Name: maglev-registry-sidecar
Version: 1.7.33
Summary: Maglev Registry Sidecar Service (1.7.33)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: aiohttp (==2.2.5)
Requires-Dist: monotonic (==1.1)
Requires-Dist: multidict (==2.1.4)
Requires-Dist: yarl (==0.13.0)

UNKNOWN
**1.5424 buffer-more-ints 1.0.0**

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**1.5425 boxen 1.3.0**

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1.5426 rimraf 2.5.4

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  jar/org/slf4j/spi/MarkerFactoryBinder.java
* /opt/cola/permits/1110658015_1606842264.76/0/slf4j-api-1-6-1-sources-1-
  jar/org/slf4j/spi/LoggerFactoryBinder.java
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* /opt/cola/permits/1110658015_1606842264.76/0/slf4j-api-1-6-1-sources-1-jar/org/slf4j/IMarkerFactory.java
* /opt/cola/permits/1110658015_1606842264.76/0/slf4j-api-1-6-1-sources-1-
  jar/org/slf4j/helpers/MarkerIgnoringBase.java
* /opt/cola/permits/1110658015_1606842264.76/0/slf4j-api-1-6-1-sources-1-jar/org/slf4j/spi/MDCAdapter.java
* /opt/cola/permits/1110658015_1606842264.76/0/slf4j-api-1-6-1-sources-1-jar/org/slf4j/MDC.java
* /opt/cola/permits/1110658015_1606842264.76/0/slf4j-api-1-6-1-sources-1-jar/org/slf4j/ILoggerFactory.java
* /opt/cola/permits/1110658015_1606842264.76/0/slf4j-api-1-6-1-sources-1-
  jar/org/slf4j/helpers/BasicMarkerFactory.java
* /opt/cola/permits/1110658015_1606842264.76/0/slf4j-api-1-6-1-sources-1-
  jar/org/slf4j/helpers/MessageFormatter.java
* /opt/cola/permits/1110658015_1606842264.76/0/slf4j-api-1-6-1-sources-1-
  jar/org/slf4j/impl/StaticLoggerBinder.java
* /opt/cola/permits/1110658015_1606842264.76/0/slf4j-api-1-6-1-sources-1-
  jar/org/slf4j/spi/LocationAwareLogger.java
* /opt/cola/permits/1110658015_1606842264.76/0/slf4j-api-1-6-1-sources-1-jar/org/slf4j/helpers/Util.java
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The snowball stopword lists in
analysis/common/src/resources/org/apache/lucene/analysis/snowball
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The full snowball package is available from
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The KStem stemmer in
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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/es/SpanishMinimalStemmer.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
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1.5453 joni 2.1.6

1.5454 is-weakmap 2.0.1

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1.5455 json-stringify-pretty-compact 1.0.4
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1.5456 pyzmq 18.0.2
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1.5461 libpam-modules 1.1.8 3.2ubuntu2.3

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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,

Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 54995


+ 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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 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1022263248_1596474242.95/0/shouldskip-zip/shouldskip/src/index.js

1.5463 libheimbaseheimdal

1.7~git20150920+dfsg 4ubuntu1.16.04.1

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-- Tom St Denis

-- in order of preference

- client: support KRB5_PADATA_ENCRYPTED_CHALLENGE in lib/krb5/init_creds_pw.c
- client: don't support ENC-TS in FAST
- client: plugin support for fast plugins
- kdc: plugin support for fast plugins
  partly done with "struct kdc_patypes"

- kcm: support FAST armor ticket
  -- using PK-INIT anonymous
  -- using host key

- client: tgs-req fast support
- kdc: tgs-req fast support

This kerberized popper was based on popper-1.831beta
which was later announced as "official" and not beta.

This program is able to talk both the pop3 and the kpop3 protocol.

Please note that the server principal is pop.hostname and not
rcmd.hostname. I.e an additional entry is needed in your mailhub's
/etc/srvtab. Use ksrvutil to add the extra prinicpal.

The server is usually started from inetd and there is already an entry
for that in inetd.conf.changes.

Please note that the server principal is pop.hostname and not
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RFCs in lib/wind:

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The files in dce are;
testpag: for testing if this is at all possible.
k5dfspag: included in libkrb5
k5decon: Creates (or searches for) the actual DFSPAG ticketfile.
dpagaix: An AIX syscall stub.
README.original: Original README file from Doug Engert

Certain applications (rshd/telnetd) have been patched to call the functions in k5dfspag when the situation is right. They are ifdef with DCE. The patches are also originally from Doug but they where against MIT krb5 code and have been merged into heimdal by me. I will try to fix ftpd soon...

There is also an ifdef for DCE && AIX that can be used to make AIX use DCE for getting group/passwd entries. This is needed if one is running with a bare bones passwd/group file and AUTHSTATE set to DCE (This will be more or less clear to people doing this...) I have forced this on for now.

k5dfspag.c is in lib/krb5
k5dfspag.c is dependent on DCE only. It is also POSIX systems only. There are defines for the location of k5dcecon and dpagaix that needs a correct configure setting.

k5dcecon needs no special things for the compile except whatever is needed on the target system to compile dce programs. (On aix the dce compile flags are: -D_THREAD_SAFE -D_AIX32_THREADS=1 -D_AIX41 -D_AES_SOURCE or one can use xlc_r4 if it is version 3.6.4 or later)

k5dcecon wants the following libs (on aix 4.3):
-ldce (and setenv from somewhere)

dpagaix is only needed on AIX (see k5dfspag.c).
dpagaix needs dfspag.exp and is linked with
ld -edpagaix -o dpagaix dpagaix.o dfspag.exp

Hope to get this into heimdal soon :-) although I know that you will have to change some things to get it cleanly into configure. Since I don't know the structure of the code (heimdal), nor enough of configure, good enough I just won't try it myself.

One more thing, to get this to work one has to put fcache_version = x in krb5.conf where x = whatever the DCE implementation understands, (usually 1 or 2).
Thanks for adding that...

"ke Sandgren (ake@hpc2n.umu.se)
HPC2N
Umeå University
Sweden

PS
I have now added patches for configure.in and some Makefile.am's to get this all cleanly (I hope) into heimdal.

1.5464 @babel/helper-remap-async-to-generator 7.1.0
1.5464.1 Available under license:
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1.5465 moment 2.20.1

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1.5466 npm-cache-filename 1.0.2
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1.5467 inspektr-audit 1.0.7.GA
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 */

Found in path(s):
* /opt/cola/permits/1115991102_1607839575.44/0/inspektr-audit-1-0-7-ga-sources-1-jar/com/github/inspektr/audit/spi/AuditActionResolver.java
1.5468 fonts-dejavu-core 2.35 1

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1.5470 ion-java 1.0.1

1.5471 libgpm 1.20.4 6.1

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`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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1.5472 which 1.2.11

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1.5473 vim-tiny 2:7.4.1689 3ubuntu1.2

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" Vim syntax file
" Language:Software Distributor product specification file
"(POSIX 1387.2-1995).
" Maintainer:Rex Barzee <rex_barzee@hp.com>
" Last change:25 Apr 2001

if version < 600
" Remove any old syntax stuff hanging around
syn clear
elseif exists("b:current_syntax")
finish
endif

" Product specification files are case sensitive
syn case match

syn keyword psfObject bundle category control_file depot distribution
syn keyword psfObject end file fileset host installed_software media
syn keyword psfObject product root subproduct vendor

syn match  psfUnquotString +[^" ] [^#]|[^#]+ contained
syn region psfQuotString  start=+"+ skip=+" end=+"+ contained
syn match  psfObjTag    \<[\[-_+A-Z0-9a-z]\]+[\._+A-Z0-9a-z]\]+\)+ contained
syn match  psfAttAbbrev  "\<[\[-_+A-Z0-9a-z]\]+[\._+A-Z0-9a-z]\]+\)+ contained
syn match  psfObjTags    "\<[\[-_+A-Z0-9a-z]\]+[\._+A-Z0-9a-z]\]+\)+ contained
syn match  psfNumber    \<[\[-_+A-Z0-9a-z]\]+[\._+A-Z0-9a-z]\]+\)+ contained
Some of the attributes covered by attUnquotString and attQuotString:
- architecture
- category_tag
- control_directory
- copyright
- create_date
- description
- directory
- file_permissions
- install_source
- install_type
- location
- machine_type
- mod_date
- number
- os_name
- os_release
- os_version
- pose_as_os_name
- pose_as_os_release
- readme
- revision
- share_link
- title
- vendor_tag

These regions are defined in attempt to do syntax checking for some of the attributes.
" Define the default highlighting.
" For version 5.7 and earlier: only when not done already
" For version 5.8 and later: only when an item doesn't have highlighting yet
if version >= 508 || !exists("did_psf_syntax_inits")
if version < 508
    let did_psf_syntax_inits = 1
    command -nargs=+ HiLink hi link <args>
else
    command -nargs=+ HiLink hi def link <args>
endif

HiLink psfObject       Statement
HiLink psfAttrib       Type
HiLink psfQuotString   String
HiLink psfObjTag       Identifier
HiLink psfAttAbbrev    PreProc
HiLink psfObjTags      Identifier

HiLink psfComment      Comment

delcommand HiLink
endif

" Long descriptions and copyrights confuse the syntax highlighting, so
" force vim to backup at least 100 lines before the top visible line
" looking for a sync location.
syn sync lines=100

let b:current_syntax = "psf"

*uganda.txt*    For Vim version 7.4.  Last change: 2013 Jul 06

VIM REFERENCE MANUAL    by Bram Moolenaar
SUMMARY

Vim is Charityware. You can use and copy it as much as you like, but you are encouraged to make a donation for needy children in Uganda. Please see |kcc| below or visit the ICCF web site, available at these URLs:

http://iccf-holland.org/
http://www.vim.org/iccf/
http://www.iccf.nl/

You can also sponsor the development of Vim. Vim sponsors can vote for features. See |sponsor|. The money goes to Uganda anyway.

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=== end of license ===

Note:

- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.

- If you want to support further Vim development consider becoming a [sponsor]. The money goes to Uganda anyway.

- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.

- If you link Vim with a library that goes under the GNU GPL, this limits further distribution to the GNU GPL. Also when you didn't actually change anything in Vim.

- Once a change is included that goes under the GNU GPL, this forces all further changes to also be made under the GNU GPL or a compatible license.

- If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED_BY define.

==============================================================================
Kibaale Children's Centre  *kcc*  *Kibaale*  *charity*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have
to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

*donate*

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now
under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money: *iccf-donations*

Check the ICCF web site for the latest information! See [iccf] for the URL.

USA: The methods mentioned below can be used.
Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.
For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly.
Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.
Kibaale Children's Fund c/o Pacific Academy
10238-168 Street
Surrey, B.C. V4N 1Z4
Canada
Phone: 604-581-5353
If you make a donation to Kibaale Children's Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse. This will allow for tax deduction if you live in Holland.
Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return. Check the ICCF web site for the latest information:
http://iccf-holland.org/germany.html
World: Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is in my passport): "Abraham Moolenaar". Use Euro for the currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number.

Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:


The e-mail address for sending the money to is:
Bram@iccf-holland.org

For amounts above 400 Euro ($500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:

- Postbank, account 4548774
Swift code: INGB NL 2A
IBAN: NL95 INGB 0004 5487 74
under the name "stichting ICCF Holland", Lisse

- Rabobank Lisse, account 3765.05.117
Swift code: RABO NL 2U
under the name "Bram Moolenaar", Lisse

Otherwise, send a check in euro or US dollars to the address below. Minimal amount: $70 (my bank does not accept smaller amounts for foreign check, sorry)

Address to send checks to:
Bram Moolenaar
Finsterruetihof 1
8134 Adliswil
Switzerland

This address is expected to be valid for a long time.

vim:tw=78:ts=8:ft=help:norl:
This is the Debian pre-packaged version of vim. Vim is an almost compatible version of the UNIX editor Vi. Many new features have been added: multi level undo, syntax highlighting, command line history, on-line help, filename completion, block operations, etc.

This package was put together by Wichert Akkerman <wakkerma@debian.org> from
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1.5474 lodash 4.16.1

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1.5475 urllib3 1.26.5

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# Contributions to the urllib3 project

## Creator & Maintainer

* Andrey Petrov <andrey.petrov@shazow.net>

## 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 <https://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 <https://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 <https://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 <https://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 <abacababadacaba@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 <dдрiddle@illinois.edu>
  * IPv6 bugfixes in testsuite

* Thea Flowers <magicalgirl@google.com>
  * App Engine environment tests.
  * Documentation re-write.

* 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.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

* Jess Shapiro <jesse@jesseshapiro.net>
* Various character-encoding fixes/tweaks
* Disabling IPv6 DNS when IPv6 connections not supported

* David Foster <http://dafoster.net/>  
* Ensure order of request and response headers are preserved.

* Jeremy Cline <jeremy@jcline.org>
* Added connection pool keys by scheme

* Aviv Palivoda <palaviv@gmail.com>
* History list to Retry object.  
* HTTPResponse contains the last Retry object.

* Nate Prewitt <nate.prewitt@gmail.com>
* Ensure timeouts are not booleans and greater than zero.  
* Fixed infinite loop in ``stream`` when amt=None.  
* Added length_remaining to determine remaining data to be read.  
* Added enforce_content_length to raise exception when incorrect content-length received.

* Seth Michael Larson <sethmichaellarson@protonmail.com>
* Created selectors backport that supports PEP 475.

* Alexandre Dias <alex.dias@smarkets.com>
* Don't retry on timeout if method not in whitelist

* Moinuddin Quadri <moin18@gmail.com>
* Lazily load idna package

* Tom White <s6yg1ez3@mail2tor.com>
* Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.

* Tim Burke <tim.burke@gmail.com>
* Stop buffering entire deflate-encoded responses.

* Tuukka Mustonen <tuukka.mustonen@gmail.com>
* Add counter for status_forcelist retries.
* Erik Rose <erik@mozilla.com>
  * Bugfix to pyopenssl vendoring

* Wolfgang Richter <wolfgang.richter@gmail.com>
  * Bugfix related to loading full certificate chains with PyOpenSSL backend.

* Mike Miller <github@mikeage.net>
  * Logging improvements to include the HTTP(S) port when opening a new connection

* Ioannis Tziakos <mail@itziakos.gr>
  * Fix `util.selectors._fileobj_to_fd` to accept `long`.
  * Update appveyor tox setup to use the 64bit python.

* Akamai (through Jess Shapiro) <jshapiro@akamai.com>
  * Ongoing maintenance; 2017-2018

* Dominique Leuenberger <dimstar@opensuse.org>
  * Minor fixes in the test suite

* Will Bond <will@wbond.net>
  * Add Python 2.6 support to `contrib.securetransport`

* Aleksei Alekseev <alekseev.yeskela@gmail.com>
  * using auth info for socks proxy

* Chris Wilcox <git@crwilcox.com>
  * Improve contribution guide
  * Add `HTTPResponse.geturl` method to provide `urlib2.urlopen().geturl()` behavior

* Bruce Merry <https://www.brucemerry.org.za>
  * Fix leaking exceptions when system calls are interrupted with zero timeout

* Hugo van Kemenade <https://github.com/hugovk>
  * Drop support for EOL Python 2.6

* Tim Bell <https://github.com/timb07>
  * Bugfix for responses with Content-Type: message/* logging warnings

* Justin Bramley <https://github.com/jbramleycl>
  * Add ability to handle multiple Content-Encodings

* Katsuhiko YOSHIDA <https://github.com/kyoshidajp>
  * Remove Authorization header regardless of case when redirecting to cross-site

* James Meickle <https://permadeath.com/>
  * Improve handling of Retry-After header
* Chris Jerdonek <chris.jerdonek@gmail.com>
  * Remove a spurious TypeError from the exception chain inside
    HTTPConnectionPool._make_request(), also for BaseExceptions.

* Jorge Lopez Silva <https://github.com/jalopezsilva>
  * Added support for forwarding requests through HTTPS proxies.

* Benno Rice <benno@jeamland.net>
  * Allow cadata parameter to be passed to underlying ```SSLContext.load_verify_locations()```.

* Keichi Kobayashi <abok.1k@gmail.com>
  * Rename VerifiedHTTPSConnection to HTTPSConnection

* Himanshu Garg <garg_himanshu@outlook.com>
  * DOC & LICENSE Update

* Hod Bin Noon <bin.noon.hod@gmail.com>
  * Test improvements

* Chris Olufson <tycarac@gmail.com>
  * Fix for connection not being released on HTTP redirect and response not preloaded

* [Bastiaan Bakker] <https://github.com/bastiaanb>
  * Support for logging session keys via environment variable ```SSLKEYLOGFILE``` (Python 3.8+)

* [Ezzeri Esa] <https://github.com/savarin>
  * Ports and extends on types from typeshed

* [Your name or handle] <[email or website]>
  * [Brief summary of your changes]

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1.5476 css-selector-tokenizer 0.7.0

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1.5477 abbrev 1.0.7

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1.5478 python3-cryptography 2.1.4
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1.5479 jstransformer 1.0.0

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1.5480 libp11-kit 0.23.15-2

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    p11-kit/pkcs11.h p11-kit/test-managed.c
    trust/builder.c trust/builder.h trust/digest.h trust/module.c
    trust/pem.h trust/module-init.c trust/pem.c
    trust/pem.h trust/oid.c trust/oid.h trust/parser.h
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    trust/frob-eku.c trust/frob-token.c
    trust/test-digest.c trust/test-enumerate.c
    trust/test-index.c trust/test-module.c trust/test-oid.c
    trust/test-parser.c trust/test-pem.c trust/test-token.c
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    p11-kit/test-log.c trust/anchor.c trust/anchor.h
    trust/enumerate.c trust/enumerate.h trust/extract.c
    trust/extract-cer.c trust/extract.h
trust/extract-openssl.c trust/extract-pem.c trust/index.c
trust/index.h trust/list.c trust/list.h trust/persist.c
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1.5483 jaeger-client 3.7.1
1.5483.1 Available under license:

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We'd love your help!

Jaeger is [Apache 2.0 licensed](LICENSE) and accepts contributions via GitHub pull requests. This document outlines some of the conventions on development workflow, commit message formatting, contact points and other resources to make it easier to get your contribution accepted.

We gratefully welcome improvements to documentation as well as to code.

## Developing

Jaeger Python client currently only supports Python 2.7.

This repository uses [virtualenv](https://pypi.python.org/pypi/virtualenv) and `pip` to manage dependencies. To install all dependencies, run:

1. `virtualenv env`
2. `source env/bin/activate`
3. `make bootstrap`
4. `make test`

## Making A Change

*Before making any significant changes, please [open an issue](https://github.com/jaegertracing/jaeger-client-python/issues).*

Discussing your proposed changes ahead of time will make the contribution process smooth for everyone.

Once we've discussed your changes and you've got your code ready, make sure that tests are passing (`make test`) and open your pull request. Your pull request is most likely to be accepted if it:

* Includes tests for new functionality.
* Has a [good commit message](http://tbaggery.com/2008/04/19/a-note-about-git-commit-messages.html).
* Each commit is signed by the author ([see below](#sign-your-work)).

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```bash
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in the file; or

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    maintained indefinitely and may be redistributed consistent with
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then you just add a line to every git commit message:

    Signed-off-by: Joe Smith <joe@gmail.com>

using your real name (sorry, no pseudonyms or anonymous contributions.)

You can add the sign off when creating the git commit via `git commit -s`.

If you want this to be automatic you can set up some aliases:

```
    git config --add alias.amend "commit -s --amend"
    git config --add alias.c "commit -s"
```

Found in path(s):
* /opt/cola/permits/1112217725_1607049955.23/0/jaeger-client-3-7-1-tar-gz/jaeger-client-
  3.7.1/CONTRIBUTING.md
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Metadata-Version: 1.1
Name: jaeger-client
Version: 3.7.1
Summary: Jaeger Python OpenTracing Tracer implementation
Home-page: https://github.com/uber/jaeger-client-python
Author: Yuri Shkuro
Author-email: ys@uber.com
License: MIT
Description-Content-Type: UNKNOWN
Description: UNKNOWN
Keywords: jaeger,tracing,opentracing
Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
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ISO C9x compliant stdint.h for Microsoft Visual Studio
Based on ISO/IEC 9899:TC2 Committee draft (May 6, 2005) WG14/N1124

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1.5485 libglibdata 2.58.3-2+deb10u1

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Please do not mail the original authors asking questions about this version of GLib.

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The random number generator "Mersenne Twister", which is used by GLib, was developed and originally coded by:
Makoto Matsumoto   <matumoto@math.keio.ac.jp>
Takuji Nishimura   <nisimura@math.keio.ac.jp>

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1.5486 py-zipkin 0.4.4

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Metadata-Version: 2.0
Name: py-zipkin
Version: 0.4.4
Summary: Library for using Zipkin in Python.
Home-page: https://github.com/Yelp/py_zipkin
Author: Yelp, Inc.
Author-email: opensource+py-zipkin@yelp.com
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Classifier: Development Status :: 3 - Alpha
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Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3.4
Classifier: Programming Language :: Python :: 3.5
Provides: py_zipkin
Requires-Dist: six
Requires-Dist: thriftpy

UNKNOWN

Found in path(s):
* /opt/cola/permits/1112217760_1607594653.26/0/py-zipkin-0.4.4.dist-info-
zip/inputdir/packages_extracted/39/py_zipkin-0.4.4.dist-info/METADATA

1.5487 bind9-host 1:9.11.3+dfsg 1ubuntu1.15

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# Constant-time SSSE3 AES core implementation.
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It was downloaded from https://www.gnupg.org/ftp/gcrypt/gnutls/

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Version 3, 19 November 2007


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1.5491 maglev-common 1.7.24
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Metadata-Version: 2.0
Name: maglev-common
Version: 1.7.24
Summary: Maglev Common (1.7.24)
Home-page: UNKNOWN
Author: UNKNOWN
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Requires-Dist: PyYAML (==3.12)
Requires-Dist: dnspython (==1.16.0)
Requires-Dist: ipcalc (==1.99.0)
Requires-Dist: kubernetes (==10.0.0)
Requires-Dist: maglev-api (~=1.7.0)
Requires-Dist: maglev-appserver (~=1.8.0)
Requires-Dist: monotonic (==1.1)
Requires-Dist: pykube (==0.15.0)
Requires-Dist: python-etc (==0.4.5)
Requires-Dist: rsa (==4.5)

# Installation
+ Requires : Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

Found in path(s):
* /opt/cola/permits/1175837264_1624507492.42/0/maglev-common-1-7-24-dist-info- 
zip/inputdir/packages_extracted/targz/1/packages_extracted/1/packages_extracted/1/packages_extracted/27/maglev_ 
common-1.7.24.dist-info/METADATA
This package was downloaded from
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1.5494 uuid 2.0.3

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1.5504 e2fslibs 1.43.4-2

1.5504.1 Available under license:

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 prepackagated version of the EXT2 file
system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were
written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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This 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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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:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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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): $(BSDLIB_IMAGE).so.$(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) $(BSD_LIB) \n$(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) -r pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../(BSD_LIB)

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

It is part of the main e2fsprogs distribution, which can be found at:
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This is the Debian GNU/Linux prepackaged version of the Common Error
Description library. It is currently distributed together with the EXT2 file
system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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Theodore Ts'o
23-June-2007

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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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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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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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<signature of Ty Coon>, 1 April 1989
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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;
+            }
+        }
+    }

---

--- pam.ubuntu.orig/modules/pam_motd/pam_motd.c
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+                 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);
}

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);

this package was debianized by J.H.M. Dassen (Ray) jdassen@debian.org on
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1.5508 jedis 2.10.2

1.5509 combined-stream 1.0.7

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package gnu.classpath.tools.taglets;

import java.util.Map;

import com.sun.tools.doclets.Taglet;
import com.sun.javadoc.Tag;

/**
 * A simple Taglet which handles Copyright information.
 */
public class CopyrightTaglet implements Taglet {

    private static final String NAME = "copyright";
    private static final String HEADER = "Copyright:";

    public String getName() {
        return NAME;
    }

    public boolean inField() {
        return true;
    }

    public boolean inConstructor() {
        return true;
    }

    public boolean inMethod() {
        return true;
    }

    public boolean inOverview() {
        return true;
    }

    public boolean inPackage() {
        return true;
    }

    public boolean inType() {
        return true;
    }

    public boolean isInlineTag() {
        return false;
    }

    public static void register(Map tagletMap) {
        CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
        tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
    }

    public String toString(Tag tag) {

}}
return toString(new Tag[] { tag });
}

public String toString(Tag[] tags) {
    if (tags.length == 0) {
        return null;
    }
    else {
        boolean haveValidTag = false;
        for (int i = 0; i < tags.length && !haveValidTag; ++i) {
            if (tags[i].text().length() > 0) {
                haveValidTag = true;
            }
        }
        if (haveValidTag) {
            StringBuffer result = new StringBuffer();
            result.append("<dl>");
            for (int i = 0; i < tags.length; i++) {
                if (tags[i].text().length() > 0) {
                    result.append("<dt><i>Copyright © " + tags[i].text() + "</dt>");
                }
            }
            result.append("</dl>");
            return result.toString();
        }
        else {
            return null;
        }
    }
}

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That's all there is to it!

// DO NOT EDIT THIS FILE - it is machine generated -*- c++ -*-

ifndef __java_security_Permission__
define __java_security_Permission__

pragma interface

#include <java/lang/Object.h>
extern "Java"
{
 namespace java
 {
  namespace security
  {
   class Permission;
   class PermissionCollection;
  }
 }
}

class java::security::Permission : public ::java::lang::Object
{

public:
  Permission(::java::lang::String *);
  virtual void checkGuard(::java::lang::Object *);
  virtual jboolean implies(::java::security::Permission *) = 0;
  virtual jboolean equals(::java::lang::Object *) = 0;
  virtual jint hashCode() = 0;
  virtual ::java::lang::String * getName();
  virtual ::java::lang::String * getActions() = 0;
virtual ::java::security::PermissionCollection * newPermissionCollection();
virtual ::java::lang::String * toString();
private:
static const jlong serialVersionUID = -563657022223159674LL;
::java::lang::String * __attribute__((aligned(__alignof__( ::java::lang::Object)))) name;
public:
static ::java::lang::Class class$;
};

#ifdef // __java_security_Permission__
@ignore
@c Set file name and title for man page.
@setfilename gpl
@settitle GNU General Public License
@c man begin SEEALSO
gfdl(7), fsf-funding(7).
@c man end
@c man begin COPYRIGHT
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@c man end
@end ignore
@node Copying
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received the object code with such an offer, in accord with subsection
6b.

@item
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/* Permission.java -- The superclass for all permission objects

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package java.security;

import gnu.java.lang.CPStringBuilder;

import java.io.Serializable;

/**
 * This class is the abstract superclass of all classes that implement
 * the concept of a permission.  A permission consists of a permission name

...
* and optionally a list of actions that relate to the permission. The
* actual meaning of the name of the permission is defined only in the
* context of a subclass. It may name a resource to which access permissions
* are granted (for example, the name of a file) or it might represent
* something else entirely. Similarly, the action list only has meaning
* within the context of a subclass. Some permission names may have no
* actions associated with them. That is, you either have the permission
* or you don't.
*
* <p>The most important method in this class is <code>implies</code>. This
* checks whether if one has this permission, then the specified
* permission is also implied. As a conceptual example, consider the
* permissions "Read All Files" and "Read File foo". The permission
* "Read All Files" implies that the caller has permission to read the
* file foo.
*
* <p><code>Permission</code>’s must be immutable - do not change their
* state after creation.
*
* @author Aaron M. Renn (arenn@urbanophile.com)
* @see Permissions
* @see PermissionCollection
* @since 1.1
* @status updated to 1.4
*/

public abstract class Permission implements Guard, Serializable
{

/**
 * Compatible with JDK 1.1+. 
 */
private static final long serialVersionUID = -5636570222231596674L;

/**
 * This is the name assigned to this permission object.
 * 
 * @serial the name of the permission
 */
private String name;

/**
 * Create an instance with the specified name.
 * 
 * @param name the permission name
 */
public Permission(String name)
{
    this.name = name;
}
/**
 * This method implements the <code>Guard</code> interface for this class.
 * It calls the <code>checkPermission</code> method in
 * <code>SecurityManager</code> with this <code>Permission</code> as its
 * argument. This method returns silently if the security check succeeds
 * or throws an exception if it fails.
 *
 * @param obj the <code>Object</code> being guarded - ignored by this class
 * @throws SecurityException if the security check fails
 * @see GuardedObject
 * @see SecurityManager#checkPermission(Permission)
 */
public void checkGuard(Object obj)
{
    SecurityManager sm = System.getSecurityManager();
    if (sm != null)
        sm.checkPermission(this);
}

/**
 * This method tests whether this <code>Permission</code> implies that the
 * specified <code>Permission</code> is also granted.
 *
 * @param perm the <code>Permission</code> to test against
 * @return true if perm is implied by this
 */
public abstract boolean implies(Permission perm);

/**
 * Check to see if this object equals obj. Use <code>implies</code>, rather
 * than <code>equals</code>, when making access control decisions.
 *
 * @param obj the object to compare to
 */
public abstract boolean equals(Object obj);

/**
 * This method returns a hash code for this <code>Permission</code>. It
 * must satisfy the contract of <code>Object.hashCode</code>: it must be
 * the same for all objects that equals considers to be the same.
 *
 * @return a hash value
 */
public abstract int hashCode();

/**
 * Get the name of this <code>Permission</code>.
 */

public final String getName()
{
    return name;
}

/**
 * This method returns the list of actions for this <code>Permission</code>
 * as a <code>String</code>. The string should be in canonical order, for
 * example, both <code>new FilePermission(f, "write,read")</code> and
 * <code>new FilePermission(f, "read,write")</code> have the action list
 * "read,write".
 *
 * @return the action list for this <code>Permission</code>
 */

public abstract String getActions();

/**
 * This method returns an empty <code>PermissionCollection</code> object
 * that can store permissions of this type, or <code>null</code> if no
 * such collection is defined. Subclasses must override this to provide
 * an appropriate collection when one is needed to accurately calculate
 * <code>implies</code>.
 *
 * @return a new <code>PermissionCollection</code>
 */

public PermissionCollection newPermissionCollection()
{
    return null;
}

/**
 * This method returns a <code>String</code> representation of this
 * <code>Permission</code> object. This is in the format:
 * <code>'(' + getClass().getName() + ' ' + getName() + ' ' + getActions
 * + ')'</code>.
 *
 * @return this object as a <code>String</code>
 */

public String toString()
{
    CPStringBuilder string = new CPStringBuilder();
    string = string.append('(');
    string = string.append(getClass().getName());
    string = string.append(' ');
    string = string.append(getName());
    string = string.append(' ');
    string = string.append(getActions());
    string = string.append(')');
    return string.toString();
}
string = string.append(getName());

if (!(getActions().equals("")))
{
    string = string.append(' ');
    string = string.append(getActions());
}

string = string.append(')');
return string.toString();
}
} // class Permission

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We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages
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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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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
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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.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.
You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

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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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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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   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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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
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- 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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```
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</appendix>

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notice is found.

<one line to give the library's name and a brief idea of what it
does.>
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You should also get your employer (if you work as a programmer) or
your
school, if any, to sign a "copyright disclaimer" for the library, if
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Yoyodyne, Inc., hereby disclaims all copyright interest in the
library 'Frob' (a library for tweaking knobs) written by James
Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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Version 3.1, 31 March 2009

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0. Definitions.

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The "CompilationProcess" transforms code entirely represented in non-intermediate languages designed for human-written code, and/or in Java Virtual Machine bytecode, into Target Code. Thus, for example, use of source code generators and preprocessors need not be considered part of the Compilation Process, since the Compilation Process can be understood as starting with the output of the generators or preprocessors.

A Compilation Process is "Eligible" if it is done using GCC, alone or with other GPL-compatible software, or if it is done without using any work based on GCC. For example, using non-GPL-compatible software to optimize any GCC intermediate representations would not qualify as an Eligible Compilation Process.

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2. No Weakening of GCC Copyleft.

The availability of this Exception does not imply any general presumption that third-party software is unaffected by the copyleft requirement of the license of GCC.
We can probably offer suggestions.

#!/usr/bin/python
#
# Copyright (C) 2013-2016 Free Software Foundation, Inc.
#
# This script is free software; you can redistribute it and/or modify
# it under the terms of the GNU General Public License as published by
# the Free Software Foundation; either version 3, or (at your option)
# any later version.
#
# This script adjusts the copyright notices at the top of source files
# so that they have the form:
# # Copyright XXXX-YYYY Free Software Foundation, Inc.
#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
# update-copyright.pl --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
# update-copyright.pl --this-year libjava
#
# would run the script on just libjava/.
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__(self):
        self.num_errors = 0

    def report(self, filename, string):
        if filename:
            string = filename + ': ' + string
        sys.stderr.write(string + '
')
        self.num_errors += 1

    def ok(self):
        return self.num_errors == 0

class GenericFilter:
    def __init__(self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set(['COPYING',
                                'COPYING.LIB',
                                'COPYING3',
                                'COPYING3.LIB',
                                'LICENSE',
                                'fdl.texi',
                                'gpl_v3.texi',
                                'fdl-1.3.xml',
                                'gpl-3.0.xml',

                                # Skip auto- and libtool-related files
                                'aclocal.m4',
                                'compile',
                                'config.guess',
                                'config.sub',
                                'depcomp',])
def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile ('\t')
    return None

def skip_file (self, dir, filename):
    if filename in self.skip_files:
        return True
    (base, extension) = os.path.splitext (os.path.join (dir, filename))
    if extension in self.skip_extensions:
        return True
    if extension == '.in':
        # Skip .in files produced by automake.
        if os.path.exists (base + '.am'):
            return True
    # Skip files produced by autogen
    if os.path.exists (base + '.def')
        and os.path.exists (base + '.tpl')):
return True

# Skip configure files produced by autoconf
if filename == 'configure':
    if os.path.exists (base + '.ac'):
        return True
    if os.path.exists (base + '.in'):
        return True

return False

def skip_dir (self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file (self, dir, filename):
    if filename in self.fossilised_files:
        return True
    # Only touch current current ChangeLogs.
    if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
        return True
    return False

def by_package_author (self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__ (self, errors):
        self.errors = errors

        # Characters in a range of years. Include '.' for typos.
        ranges = '[0-9][?[-0-9,.\s]\s+and\s+]*[0-9]'

        # Non-whitespace characters in a copyright holder's name.
        name = '\w,-'     # Matches one year.
        self.year_re = re.compile ('[0-9]+')

        # Matches part of a year or copyright holder.
        self.continuation_re = re.compile (ranges + '|\'|name)

        # Matches a full copyright notice:
        self.copyright_re = re.compile (self.year_re
            # 1: 'Copyright (C)', etc.
            '([Cc]opyright')
            # 2: '
            '||([Cc]opyright\s+\(\[Cc\]\)\n            # 3: '
            '||([Cc]opyright\s+%s'
            # 4: '
            '||([Cc]opyright\s+&copy;')
# 2: the years. Include the whitespace in the year, so that
# we can remove any excess.
'\(\ss*\(\?:\ \) + ranges + \.?\)
'[@value\{[^{}]*\})s*]

# 3: 'by ', if used
'(by\s++)?'

# 4: the copyright holder. Don't allow multiple consecutive
# spaces, so that right-margin gloss doesn't get caught
# (e.g. gnat_ugn.texi).
'( + name + '(?As? + name + *)?)'

# A regexp for notices that might have slipped by. Just matching
# 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
# HTML header markers, so check for 'copyright' and two digits.
self.other_copyright_re = re.compile ('copyright.*[0-9][0-9]',
    re.IGNORECASE)
self.comment_re = re.compile('#+|[*]+|;+|%+|//[+|@c |dnl ')
self.holders = { '@copying': '@copying' }
self.holder_prefixes = set()

# True to 'quilt add' files before changing them.
self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s). Could be ',', '.
self.separator = ','

def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find ('')
    while index >= 0:
        self.holder_prefixes.add (holder[:index])
        index = holder.find ('', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
def __init__ (self, year):
    self.year = year

def __str__ (self):
    return 'unrecognised year: ' + self.year

def parse_year (self, string):
    year = int (string)
    if len (string) == 2:
        if year > 70:
            return year + 1900
        elif len (string) == 4:
            return year
    else:
        raise self.BadYear (string)

def year_range (self, years):
    year_list = [self.parse_year (year)
                 for year in self.year_re.findall (years)]
    assert len (year_list) > 0
    return (min (year_list), max (year_list))

def set_use_quilt (self, use_quilt):
    self.use_quilt = use_quilt

def include_year (self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years (self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith ('@value'):
        return years
    (min_year, max_year) = self.year_range (years)
    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file (dir, filename):
        max_year = max (max_year, self.max_year)
    # Use a range.
    if min_year == max_year:
        return '%d' % min_year
    else:
        return '%d-%d' % (min_year, max_year)

def strip_continuation (self, line):
    line = line.lstrip()
    match = self.comment_re.match (line)
if match:
    line = line[match.end():].lstrip()
return line

def is_complete(self, match):
    holder = match.group(4)
    return (holder
        and (holder not in self.holder_prefixes
            or holder in self.holders))

def update_copyright(self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join(dir, filename)

    intro = match.group(1)
    if intro.startswith('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end(2):].strip()
        if after_years != ':
            self.errors.report(pathname,
                'trailing characters in @set: '
                + after_years)
            return (False, orig_line, next_line)
    else:
        # If it looks like the copyright is incomplete, add the next line.
        while not self.is_complete(match):
            try:
                next_line = file.next()
            except StopIteration:
                break

            # If the next line doesn't look like a proper continuation,
            # assume that what we've got is complete.
            continuation = self.strip_continuation(next_line)
            if not self.continuation_re.match(continuation):
                break

            # Merge the lines for matching purposes.
            orig_line += next_line
            line = line.rstrip() + ' ' + continuation
            next_line = None

        # Rematch with the longer line, at the original position.
        match = self.copyright_re.match(line, match.start())
        assert match

        holder = match.group(4)
# Use the filter to test cases where markup is getting in the way.
if filter.by_package_author (dir, filename):
    assert holder not in self.holders

elif not holder:
    self.errors.report (pathname, 'missing copyright holder')
    return (False, orig_line, next_line)

elif holder not in self.holders:
    self.errors.report (pathname,
                        'unrecognised copyright holder: ' + holder)
    return (False, orig_line, next_line)

else:
    # See whether the copyright is associated with the package
    # author.
    canon_form = self.holders[holder]
    if not canon_form:
        return (False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
    line = (line[:match.start (4)]
            + canon_form
            + line[match.end (4):])

    # Remove any 'by'
    line = line[:match.start (3)] + line[match.end (3):]

    # Update the copyright years.
    years = match.group (2).strip()
    try:
        canon_form = self.canonicalise_years (dir, filename, filter, years)
    except self.BadYear as e:
        self.errors.report (pathname, str (e))
        return (False, orig_line, next_line)

    line = (line[:match.start (2)]
            + ('' if intro.startswith ('copyright = ') else ' ')
            + canon_form + self.separator
            + line[match.end (2):])

    # Use the standard (C) form.
    if intro.endswith ('right'):
        intro += ' (C)
    elif intro.endswith ('(c)'):
        intro = intro[:-3] + '(C)
    line = line[:match.start (1)] + intro + line[match.end (1):]
def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)
        except OSError:
            pass
        return
    lines = []
    changed = False
    line_filter = filter.get_line_filter (dir, filename)
    with open (pathname, 'r') as file:
        prev = None
        for line in file:
            while line:
                next_line = None
                # Leave filtered-out lines alone.
                if not (line_filter and line_filter.match (line)):
                    match = self.copyright_re.search (line)
                    if match:
                        res = self.update_copyright (dir, filename, filter,
                                                   file, line, match)
                        (this_changed, line, next_line) = res
                        changed = changed or this_changed
                    elif self.other_copyright_re.search (line):
                        self.errors.report (pathname,
                                             'unrecognised copyright: %s'
                                             % line.strip())
                        lines.append (line)
                        line = next_line
                # Check for copyright lines that might have slipped by.
                elif self.other_copyright_re.search (line):
                    self.errors.report (pathname,
                                        'unrecognised copyright: %s'
                                        % line.strip())
                    lines.append (line)
                    line = next_line

    # If something changed, write the new file out.
    if changed and self.errors.ok():
        tmp_pathname = pathname + '.tmp'
        with open (tmp_pathname, 'w') as file:
            for line in lines:
                file.write (line)
        if self.use_quilt:
subprocess.call (['quilt', 'add', pathname])
os.rename (tmp_pathname, pathname)
def process_tree (self, tree, filter):
for (dir, subdirs, filenames) in os.walk (tree):
# Don't recurse through directories that should be skipped.
for i in xrange (len (subdirs) - 1, -1, -1):
if filter.skip_dir (dir, subdirs[i]):
del subdirs[i]
# Handle the files in this directory.
for filename in filenames:
if filter.skip_file (dir, filename):
sys.stdout.write ('Skipping %s\n'
% os.path.join (dir, filename))
else:
self.process_file (dir, filename, filter)
class CmdLine:
def __init__ (self, copyright = Copyright):
self.errors = Errors()
self.copyright = copyright (self.errors)
self.dirs = []
self.default_dirs = []
self.chosen_dirs = []
self.option_handlers = dict()
self.option_help = []
self.add_option ('--help', 'Print this help', self.o_help)
self.add_option ('--quilt', '"quilt add" files before changing them',
self.o_quilt)
self.add_option ('--this-year', 'Add the current year to every notice',
self.o_this_year)
def add_option (self, name, help, handler):
self.option_help.append ((name, help))
self.option_handlers[name] = handler
def add_dir (self, dir, filter = GenericFilter()):
self.dirs.append ((dir, filter))
def o_help (self, option = None):
sys.stdout.write ('Usage: %s [options] dir1 dir2...\n\n'
'Options:\n' % sys.argv[0])
format = '%-15s %s\n'
for (what, help) in self.option_help:
sys.stdout.write (format % (what, help))
sys.stdout.write ('\nDirectories:\n')

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format = '%-25s'
i = 0
for (dir, filter) in self.dirs:
    i += 1
    if i % 3 == 0 or i == len (self.dirs):
        sys.stdout.write (dir + 'n')
    else:
        sys.stdout.write (format % dir)
sys.exit (0)

def o_quilt (self, option):
    self.copyright.set_use_quilt (True)

def o_this_year (self, option):
    self.copyright.include_year (time.localtime().tm_year)

def main (self):
    for arg in sys.argv[1:]:
        if arg[1:] != '.':
            self.chosen_dirs.append (arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg] (arg)
        else:
            self.errors.report (None, 'unrecognised option: ' + arg)
if self.errors.ok():
    if len (self.chosen_dirs) == 0:
        self.chosen_dirs = self.default_dirs
    if len (self.chosen_dirs) == 0:
        self.o_help()
    else:
        for chosen_dir in self.chosen_dirs:
            canon_dir = os.path.join (chosen_dir, '')
            count = 0
            for (dir, filter) in self.dirs:
                if (dir + os.sep).startswith (canon_dir):
                    count += 1
                    self.copyright.process_tree (dir, filter)
            if count == 0:
                self.errors.report (None, 'unrecognised directory: ' + chosen_dir)
        sys.exit (0 if self.errors.ok() else 1)

#----------------------------------------------------------------------------
class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True
class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    def skip_file (self, dir, filename):
        if filename.endswith ('.m4'):
            pathname = os.path.join (dir, filename)
            with open (pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find ('gettext-') >= 0:
                    return True
            return GenericFilter.skip_file (self, dir, filename)

class GCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set (
            # Not part of GCC
            'math-68881.h',
        )

        self.skip_dirs |= set (
            # Better not create a merge nightmare for the GNAT folks.
            'ada',

            # Handled separately.
            'testsuite',
        )

        self.skip_extensions |= set (
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        )

        self.fossilised_files |= set (
            # Old news won't be updated.
            'ONEWS',
        )

class TestsuiteFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)
def skip_file (self, dir, filename):
    # g++.niklas/README contains historical copyright information
    # and isn't updated.
    if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
        return True
    return GenericFilter.skip_file (self, dir, filename)

class LibCppFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set ([
            '# Maintained by the translation project.
            '.po',

            '# Automatically-generated.
            '.pot',
        ])

class LibGCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ([
            '# Imported from GLIBC.
            'soft-fp',
        ])

class LibJavaFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ([
            '# Handled separately.
        ])

---

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def get_line_filter(self, dir, filename):
    if filename == 'NameDecoder.h':
        return re.compile('.*NAME_COPYRIGHT')
    if filename == 'ICC_Profile.h':
        return re.compile('.*icSigCopyrightTag')
    return GenericFilter.get_line_filter(self, dir, filename)

class LibMudflapFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_dirs |= set(
            # Handled separately.
            ['testsuite'],
        )

class LibStdCxxFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_files |= set(
            # Contains no copyright of its own, but quotes the GPL.
            ['intro.xml'],
        )

        self.skip_dirs |= set(
            # Contains automatically-generated sources.
            ['html'],

            # The testsuite data files shouldn't be changed.
            'data',

            # Contains imported images
            'images',
        )

        self.own_files |= set(
            # Contains markup around the copyright owner.
            'testsuite',
        )
def get_line_filter(self, dir, filename):
    if filename == 'boost_concept_check.h':
        return re.compile('// \(C\) Copyright Jeremy Siek')
    return GenericFilter.get_line_filter(self, dir, filename)

class GCCCopyright(Copyright):
    def __init__(self, errors):
        Copyright.__init__(self, errors)

        canon_fsf = 'Free Software Foundation, Inc.'
        self.add_package_author('Free Software Foundation', canon_fsf)
        self.add_package_author('Free Software Foundation.', canon_fsf)
        self.add_package_author('Free Software Foundation Inc.', canon_fsf)
        self.add_package_author('Free Software Foundation, Inc', canon_fsf)
        self.add_package_author('Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author('The Free Software Foundation', canon_fsf)
        self.add_package_author('The Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author('Software Foundation, Inc.', canon_fsf)

        self.add_external_author('ARM')
        self.add_external_author('AdaCore')
        self.add_external_author('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
        self.add_external_author('Cavium Networks.')
        self.add_external_author('Faraday Technology Corp.')
        self.add_external_author('Florida State University')
        self.add_external_author('Greg Colvin and Beman Dawes.')
        self.add_external_author('Hewlett-Packard Company')
        self.add_external_author('Information Technology Industry Council.')
        self.add_external_author('James Theiler, Brian Gough')
        self.add_external_author('Makoto Matsumoto and Takuji Nishimura,')
        self.add_external_author('National Research Council of Canada.')
        self.add_external_author('NVIDIA Corporation')
        self.add_external_author('Peter Dimov and Multi Media Ltd.')
        self.add_external_author('Peter Dimov')
        self.add_external_author('Pipeline Associates, Inc.')
        self.add_external_author('Regents of the University of California.')
        self.add_external_author('Silicon Graphics Computer Systems, Inc.')
        self.add_external_author('Silicon Graphics')
        self.add_external_author('Stephen L. Moshier')
        self.add_external_author('Sun Microsystems, Inc. All rights reserved.')
        self.add_external_author('The Go Authors. All rights reserved.')
        self.add_external_author('The Regents of the University of California.')
        self.add_external_author('Unicode, Inc.')
self.add_external_author('University of Toronto.')

class GCCCmdLine(CmdLine):
    def __init__(self):
        CmdLine.__init__(self, GCCCopyright)

        self.add_dir('.', TopLevelFilter())
        # boehm-gc is imported from upstream.
        self.add_dir('config', ConfigFilter())
        # contrib isn't really part of GCC.
        self.add_dir('fixincludes')
        self.add_dir('gcc', GCCFilter())
        self.add_dir(os.path.join('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir('gnatools')
        self.add_dir('include')
        self.add_dir('libada')
        self.add_dir('libatomic')
        self.add_dir('libbacktrace')
        self.add_dir('libc++', LibCppFilter())
        self.add_dir('libdecnumber')
        # libffi is imported from upstream.
        self.add_dir('libgcc', LibGCCFilter())
        self.add_dir('libgfortran')
        self.add_dir('libgomp')
        self.add_dir('libiberty')
        self.add_dir('libitm')
        self.add_dir('libjava', LibJavaFilter())
        self.add_dir(os.path.join('libjava', 'testsuite'), TestsuiteFilter())
        self.add_dir('libmudflap', LibMudflapFilter())
        self.add_dir(os.path.join('libmudflap', 'testsuite'), TestsuiteFilter())
        self.add_dir('libobjc')
        self.add_dir('libquadmath')
        # libsanitiser is imported from upstream.
        self.add_dir('libssp')
        self.add_dir('libstdc++-v3', LibStdCxxFilter())
        self.add_dir('libvtv')
        self.add_dir('lto-plugin')
        # zlib is imported from upstream.

        self.default_dirs = ['gcc',
                             'libada',
                             'libatomic',
                             'libbacktrace',
                             'libc++',
                             'libdecnumber',
                             'libgcc',
                             'libg++',
                             'libjavatools',
                             'libjava',
                             'libm',
                             'libmudflap',
                             'libobjc',
                             'libquadmath',
                             'libstdc++-v3',
                             'libvtv',
                             'lto-plugin',
                             'zlib']
GCCCmdLine().main()
If+gnu/classpath/tools/taglets/CopyrightTagletjava/lang/Objectcom/sun/tools/doclets/TagletNAMEL.java/lang/String:
ConstantValuecopyrightHEADER
Copyright:<init>()VCode
LineNumberTableLocalVariableTablethis-
Lgnu/classpath/tools/taglets/CopyrightTaglet;getName()Ljava/lang/String;inField()Z
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java/util/Map+.put8(Ljava/lang/Object;Ljava/lang/Object;Ljava/lang/Object;
tagletMapLjava/util/Map;copyrightToString)(Lcom/sun/javadoc/Tag;Ljava/lang/String;3com/sun/javadoc/Tag
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SourceFileCopyrightTaglet.java!

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@appendixsubsec Preamble

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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

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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
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@enumerate
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@item
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Verify that the user has already received a copy of these materials or that you have already sent this user a copy.
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@end item

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@item
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@end item

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1[java/security/Permission;java/lang/Object;java/security/Guard;java/io/Serializable;serialVersionUID11
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"+7>GNSKWXZY

// DO NOT EDIT THIS FILE - it is machine generated -.*- c++ -.*-

#ifndef __java_security_acl_Permission__
define __java_security_acl_Permission__

#pragma interface

#include <java/lang/Object.h>
extern "Java"
{
namespace java
{
namespace security
{
namespace acl
{
class Permission;
}
class java::security::acl::Permission : public ::java::lang::Object
{

public:
  virtual jboolean equals(::java::lang::Object *) = 0;
  virtual ::java::lang::String * toString() = 0;
  static ::java::lang::Class class$;
} __attribute__ ((java_interface));

#endif // __java_security_acl_Permission__

This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM.

Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.

Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code.
Jesper Peterson (jep@mtiame.mtia.oz.au), Michel Schinz, and
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.
Thomas Funke (thf@zelator.in-berlin.de(?)) and
Brian D. Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied Linux and
Sony News specific code. Al Dossor provided Alpha/OSF/1 code. He and
Dave Detlefs (detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks (agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports.
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to
a Motorola 88K processor running CX/UX (Harris NightHawk).
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to
nonIBM development environments (a nontrivial task).
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.
David Chase, then at Olivetti Research, suggested several improvements.
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the
code to save and print call stacks for leak detection on a SPARC.
Jesse Hull and John Ellis supplied the C++ interface code.
Zhong Shao performed much of the experimentation that led to the
current typed allocation facility. (His dynamic type inference code hasn't
made it into the released version of the collector, yet.)

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/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using underscores, we are using prefix `.':s to identify labels that should be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "\t.byte\t"
define ASM_SHORT "\t.word\t"
define ASM_LONG "\t.long\t"
define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS */
define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line that says to advance the location counter by SIZE bytes. */
```c
#define ASM_OUTPUT_SKIP(FILE,SIZE)  
  fprintf (FILE, "\t.space " HOST_WIDE_INT_PRINT_UNSIGNED"\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line
   to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED)  
  ( fputs (".comm ", (FILE)),
    assemble_name ((FILE), (NAME)),
    fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line
   to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED)  
  ( fputs (".lcomm ", (FILE)),
    assemble_name ((FILE), (NAME)),
    fprintf ((FILE), ",%u
", (int)(ROUNDED)))

#if defined HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  
  ( fputs (".lcomm ", (FILE)),
    assemble_name ((FILE), (NAME)),
    fprintf ((FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line
   that says to advance the location counter
   to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG)	
  if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF
   the symbol_ref name of an internal numbered label where
   PREFIX is the class of label and NUM is the number within the class.
   This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)  
  sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX "_"
```
/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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/**
 * This interface provides information about a permission that can be
 * granted. Note that this is <em>not</em> the same as the class
 * <code>java.security.Permission</code>.
 */
public interface Permission
{
/**
 * This method tests whether or not a specified <code>Permission</code>
 * (passed as an <code>Object</code>) is the same as this permission.
 *
 * @param perm The permission to check for equality
 *
 * @return <code>true</code> if the specified permission is the same as this one, <code>false</code> otherwise
 */
boolean equals (Object perm);

/**
 * This method returns this <code>Permission</code> as a <code>String</code>.
 *
 * @return A <code>String</code> representing this permission.
 */
String toString();
}

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#define __gnu_javax_sound_AudioSecurityManager$Permission__

#pragma interface

#include <java/lang/Enum.h>
#include <gcj/array.h>
extern "Java"
{
namespace gnu
{
namespace javax
{
namespace sound
{
    class AudioSecurityManager$Permission;
}
}
}
}

class gnu::javax::sound::AudioSecurityManager$Permission : public ::java::lang::Enum
{
    AudioSecurityManager$Permission(::java::lang::String *, jint);

    public:
    static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission *> * values();
    static ::gnu::javax::sound::AudioSecurityManager$Permission * valueOf(::java::lang::String *);
    static ::gnu::javax::sound::AudioSecurityManager$Permission * PLAY;
    static ::gnu::javax::sound::AudioSecurityManager$Permission * RECORD;
    static ::gnu::javax::sound::AudioSecurityManager$Permission * ALL;

    private:
    static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission *> * ENUM$VALUES;

    public:
    static ::java::lang::Class class$;
};

#endif // __gnu_javax_sound_AudioSecurityManager$Permission__

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src/libcharon/encoding/payloads/ke_payload.c
src/libcharon/encoding/payloads/nonce_payload.c
src/libcharon/encoding/payloads/traffic_selector_substructure.c
src/libcharon/encoding/payloads/transform_attribute.c
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src/libcharon/encoding/payloads/endpoint_notify.c
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src/libimcv/plugins/imv_attestation/imv_attestation_build.c
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   src/libstrongswan/crypto/proposal/proposal_keywords.h
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Files: src/libstrongswan/plugins/blowfish/blowfish_crypter.h  
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src/libstrongswan/plugins/test_vectors/test_vectors/idea.c  
src/libstrongswan/plugins/test_vectors/test_vectors/md4.c  
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1.5517 xsdlib 2013.6.1

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  jar/com/sun/msv/datatype/regexp/message_fr.properties
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  jar/com/sun/msv/datatype/regexp/message_ja.properties
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*/opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2.jar/com/sun/msv/datatype/regexp/RegexParser.java

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* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-
  jar/com/sun/msv/datatype/xsd/datetime/DateTimeFactory.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-
  jar/com/sun/msv/datatype/xsd/datetime/BigTimeDurationValueType.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-
  jar/com/sun/msv/datatype/xsd/NonPositiveIntegerType.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-
  jar/com/sun/msv/datatype/xsd/MinInclusiveFacet.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-
  jar/com/sun/msv/datatype/xsd/WhiteSpaceFacet.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-
  jar/com/sun/msv/datatype/SerializationContext.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-
  jar/com/sun/msv/datatype/xsd/XSDatatypeImpl.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-
  jar/com/sun/msv/datatype/xsd/DataTypeWithLexicalConstraintFacet.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-
  jar/com/sun/msv/datatype/xsd/UnsignedLongType.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-
  jar/com/sun/msv/datatype/xsd/Base64BinaryType.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-
  jar/com/sun/msv/datatype/xsd/IDType.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-
  jar/com/sun/msv/datatype/xsd/GYearMonthType.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-
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* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2-
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* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2.jar/com/sun/msv/datatype/xsd/ListValueType.java
* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2.jar/com/sun/msv/datatype/xsd/DurationType.java
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* /opt/cola/permits/1177942015_1625571932.43/0/xsdlib-2013-6-1-sources-2.jar/com/sun/msv/datatype/xsd/TokenType.java
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Metadata-Version: 2.0
Name: glusterfs-sidecar
Version: 1.7.35
Summary: GlusterFs Sidecar Service (1.7.35)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: glustercli (==0.6)
Requires-Dist: maglev-common (~=1.7.0)
Requires-Dist: maglev-internal-api (~=1.7.0)
Requires-Dist: maglev-sidecar (~=1.7.0)
Requires-Dist: maglev-workflow (~=1.7.0)
Requires-Dist: rsa (==4.5)
Requires-Dist: setuptools (~=41.2.0)
Requires-Dist: setuptools-scm (~=3.4.3)
Requires-Dist: toml (~=0.10.0)
Requires-Dist: wheel
Requires-Dist: zipp (~=1.0.0)

# Sidecar for managed service
+ Requires : Python 3.5 download the dmg and install, use pyenv to create a virtual environment

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  zip/inputdir/packages_extracted/targz/1/packages_extracted/1/packages_extracted/1/packages_extracted/23/glusterfs_sidecar-1.7.35.dist-info/METADATA

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That's all there is to it!
DRuntime: Runtime Library for the D Programming Language

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Version 3.1, 31 March 2009

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(12) Jon Beniston (only lm32-* targets)

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Developed by:

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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}.
 *
 * <p>{@link ChannelHandler} itself does not provide many methods, but you usually have to implement one of its
 * subtypes:
 * </p>
 * <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>
* </p>
* 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:
* <pre>
* public interface Message {
*    // your methods here
* }
*
* public class DataServerHandler extends { @link SimpleChannelInboundHandler}&lt;Message&gt; { 
* 
*   <b>private boolean loggedIn;</b>
* 
*   <b>[@code @Override]</b>
*   public void channelRead0({@link ChannelHandlerContext} ctx, Message message) {
*     <b>[@link Channel] ch = e.getChannel();</b>
*     if (message instanceof LoginMessage) {
*       authenticate((LoginMessage) message);
*       <b>loggedIn = true;</b>
*     } else (message instanceof GetDataMessage) {
*       if (<b>loggedIn</b>) {
*         ch.write(fetchSecret((GetDataMessage) message));
*       } else {
*         fail();
*       }
*     }
*   }
* 
*   <b>}</b>
* 
*   <b>}</b>
* 
* </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", new DataServerHandler());
    }
}
```

<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

```java
public interface Message {
    // your methods here
}

{code @Sharable}
public class DataServerHandler extends {@link SimpleChannelInboundHandler}<Message> {
    private final {link AttributeKey}<Boolean> auth = {link AttributeKey#valueOf(String) AttributeKey.valueOf("auth");

    {code @Override}
    public void channelRead({@link ChannelHandlerContext} ctx, Message message) {
        Attribute<Boolean> attr = ctx.attr(auth);
        Channel ch = ctx.channel();
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) o);
            attr.set(true);
        } else (message instanceof GetDataMessage) {
            if (Boolean.TRUE.equals(attr.get())) {
                ch.write(fetchSecret((GetDataMessage) o));
            } else {
                fail();
            }
        } else {
            fail();
        }
    }
}
```

...
Now that the state of the handler is attached to the `ChannelHandlerContext`, you can add the same handler instance to different pipelines:

```java
public class DataServerInitializer extends ChannelInitializer<Channel> {

    private static final DataServerHandler SHARED = new DataServerHandler();

    @Override
    public void initChannel(Channel channel) {
        channel.pipeline().addLast("handler", SHARED);
    }
}
```

The `@Sharable` annotation

In the example above which used an `AttributeKey`, you might have noticed the `@Sharable` annotation. If a `ChannelHandler` is annotated with the `@Sharable` annotation, it means you can create an instance of the handler just once and add it to one or more `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 the JCIP annotations.

Additional resources worth reading

Please refer to the `ChannelHandler`, and `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/cola/permits/1111379127_1606904714.7/0/netty-transport-4-1-16-final-sources-3-jar/io/netty/channel/group/ChannelGroupFuture.java
* /opt/cola/permits/1111379127_1606904714.7/0/netty-transport-4-1-16-final-sources-3-jar/io/netty/channel/oio/AbstractOioChannel.java
* /opt/cola/permits/1111379127_1606904714.7/0/netty-transport-4-1-16-final-sources-3-jar/io/netty/channel/socket/oio/OioServerSocketChannel.java

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  jar/io/netty/channel/pool/ChannelPool.java
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  jar/io/netty/channel/pool/ChannelHealthChecker.java
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  jar/io/netty/channel/pool/AbstractChannelPoolHandler.java
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* /opt/cola/permits/1111379127_1606904714.7/0/netty-transport-4\1-16-final-sources-3\jar/io/netty/channel/nio/SelectedSelectionKeySetSelector.java
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1.5543 t-digest 3.2
1.5544 rake 12.3.1

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1.5545 python3.6-venv 3.6.9

1~18.04ubuntu1.4

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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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<th>Year</th>
<th>Owner</th>
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1.5552 python 2.7.9-2+deb8u1

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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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**wcwidth.js**: JavaScript Porting of Markus Kuhn's `wcwidth()` Implementation

=======================================================================

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This package is a JavaScript porting of `wcwidth()` implementation
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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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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.

(GEnie : OUTER; CIS : [71755,204]) Graven Imagery, 1992.

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1.5565 libcdevbin 2.23 0ubuntu11.2

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Author: Adam Conrad <adconrad@ubuntu.com>

--- glibc-2.21.orig/include/features.h
+++ glibc-2.21/include/features.h
@@ -145,7 +145,10 @@
 transitioned to use the new macro. */
 #if (defined _BSD_SOURCE || defined _SVID_SOURCE) \
   && !defined _DEFAULT_SOURCE
+/* Don't #warn about _BSD_SOURCE || _SVID_SOURCE, as it breaks -Werror 
+   and we don't have time to check/fix everything before vivid release 
# warning "_BSD_SOURCE and _SVID_SOURCE are deprecated, use _DEFAULT_SOURCE" 
+*/
 # undef _DEFAULT_SOURCE 
# define _DEFAULT_SOURCE 1
#endif

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1.5588 glibc 2.28-72.el8

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@c Local Variables:
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@c End:

1.5589 person-directory-impl 1.5.1

1.5590 libpython2-stdlib 2.7.16-1

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This package was put together by Klee Dienes <klee@debian.org> from sources from ftp.python.org:/pub/python, based on the Debianization by the previous maintainers Bernd S. Brentrup <bsb@uni-muenster.de> and Bruce Perens.

Current maintainer is Matthias Klose <doko@debian.org> until the final 2.3 version is released.

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-----------------------------------------------

A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 56101
authorization.

-- vile:txtmode fc=72
-- $Id: COPYING,v 1.6 2018/01/01 12:00:00 tom Exp $
Upstream source https://invisible-island.net/ncurses/ncurses.html
This package is used for testing builds of ncurses.

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

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Files: doc/html/NCURSES-Programming-HOWTO.html
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Files: progs/tset.c ncurses/tinfo/read_termcap.c
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-- vile: txtmode file-encoding=utf-8

1.5593 libpamg 1.3.1-5
1.5593.1 Available under license :

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1.5594 init-system-helpers 1.22
1.5594.1 Available under license:

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1.5595 python 2.7.12 1ubuntu0~16.04.13

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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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1.5596 libcom-err 1.45.6-1.el8

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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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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): $(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-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 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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Theodore Ts'o
23-June-2007

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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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1.5624 perl-modules 5.20.2-3+deb8u8

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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abstract: 'Build and install Perl modules'
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- 'Ken Williams <kwilliams@cpan.org>'
- "Development questions, bug reports, and patches should be sent to the\n\nModule-Build mailing list at <module-build@perl.org>.,"
build_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
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<one line to give the program’s name and a brief idea of what it does.>
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#!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
	notice

use TestInit;
use strict;
use Config;
BEGIN { require 'test.pl' }

if ( $Config{usecrosscompile} ) { 
    skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so # that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
{
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
    # returns the latest copyright year from the top-level README file
{

    open my $readme, '<', '../README' or die "Opening README failed: $!";

    # The copyright message is the first paragraph:
    local $/ = ";"
    my $copyright_msg = <$readme>;
my ($year) = $copyright_msg =~ /.*\b\(d{4,})\//s
or die "Year not found in README copyright message $copyright_msg";

$year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{
my $output = runperl switches => ['-v'];
my ($year) = $output =~ /copyright 1987.*\b\(d{4,})\//i
or die "Copyright statement not found in perl -v output $output";

$year;
}

Format: http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: perl
Source: http://www.perl.com/CPAN/src/5.0/
Comment:
This package was debianized by Brendan O'Dea <bod@debian.org> on
Thu, 17 Aug 2000 16:10:54 +1000.

Upstream Authors:

Larry Wall et. al. (see /usr/share/doc/perl/AUTHORS).

Last checked against: Perl 5.24.1

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cpan/File-Fetch/*
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cpan/Package-Constants/*
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cpan/Locale-Maketext-Simple/t/po_with_i_default/fr.po
cpan/Locale-Maketext-Simple/t/po_with_i_default/en.po
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cpan/podlators/t/lib/Test/RRA.pm
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dist/Dumpvalue/*
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dist/ExtUtils-Command/*
dist/ExtUtils-Manifest/*
dist/I18N-Collate/*
dist/Safe/*
ext/Fcntl/*
ext/FileCache/*
ext/GDBM_File/*
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.5 of 10 December 2007

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use strict;
use Test::More tests => 8;

my $upstream_version;
ok(open(P, "dpkg-parsechangelog "), "successfully piping from dpkg-parsechangelog");
while (<P>) {
  /^Version: (.+)-[^-]+$/ or next;
  $upstream_version = $1;
}
my $checked_version;
ok(open(C, "<debian/copyright"), "successfully opened debian/copyright");
while (<C>) {
    next if !/^ Last checked against: Perl (.+)/;
    $checked_version = $1;
    last;
}

isn't($checked_version, "", "found checked version from debian/copyright");
close C;

is($checked_version, $upstream_version,
   "debian/copyright last checked for the current upstream version");

SKIP: {
    system('which cme >/dev/null 2>&1');
    my $cmd;
    if ($?) {
        system('which config-edit >/dev/null 2>&1');
        skip('no cme or config-edit or available', 2) if $?;
        $cmd = 'config-edit -application dpkg-copyright -ui none';
    } else {
        skip('no cme dpkg-copyright application available (try installing libconfig-model-dpkg-perl)', 2)
        if qx/cme list/ !~ /dpkg-copyright/;
        $cmd = 'cme check dpkg-copyright';
    }
    diag("checking debian/copyright with copyright checker \\
          "$cmd"");
    unlike( qx/$cmd 2>&1/qr/ERROR/,
           'no error messages from copyright checker when parsing debian/copyright
            ');
    is($?, 0, 'copyright checker exited successfully');
}

1.5625 static-app 0.1.0

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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 bug fixes 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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"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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   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility
is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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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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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
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We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

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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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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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is invoked, then you must make a good faith effort to ensure that,
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table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
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application-supplied function or table used by this function must
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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.

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1.5638 pip 1.5.6

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1.5639 json-stream 1.3.1

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1.5641 libxmuu 2:1.1.2 2

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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.
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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
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with the Library, with the complete machine-readable "work that
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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.

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

---
abstract: 'Build and install Perl modules'
author:
- 'Ken Williams <kwilliams@cpan.org>,'
- "Development questions, bug reports, and patches should be sent to the\n  Module-Build mailing list at <module-build@perl.org>.'
build_requires:
File::Temp: 0.15
Test::Harness: 3.16
Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
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  version: 3
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If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

  Gnomovision version 69, Copyright (C) 19xx name of author
  Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
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necessary. Here a sample; alter the names:

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  <signature of Ty Coon>, 1 April 1989
  Ty Coon, President of Vice

That's all there is to it!

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The Artistic License

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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

That's all there is to it!

#!perl

=head1 NAME

copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

=cut

use TestInit;
use strict;
use Config;
BEGIN { require 'test.pl' } 

if ( $Config{usecrosscompile} ) {
    skip_all( "Not all files are available during cross-compilation" );
}
my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
{
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
    open my $readme, '<', '../README' or die "Opening README failed: $!";

    # The copyright message is the first paragraph:
    local $/ = "";
    my $copyright_msg = <$readme>;

    my ($year) = $copyright_msg =~ /.*\b\d{4,}/s
        or die "Year not found in README copyright message "$copyright_msg"";

    $year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{
    my $output = runperl switches => ['-v'];
    my ($year) = $output =~ /\b\d{4,}/i
        or die "Copyright statement not found in perl -v output "$output"";

    $year;
}
$year;
}
Format: http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: perl
Source: http://www.perl.com/CPAN/src/5.0/
Comment:
This package was debianized by Brendan O'Dea <bod@debian.org> on
Thu, 17 Aug 2000 16:10:54 +1000.

Upstream Authors:

Larry Wall et. al. (see /usr/share/doc/perl/AUTHORS).

Last checked against: Perl 5.24.1

Files: *
Copyright:
Perl is Copyright (C) 1987-2017 by Larry Wall and others. All rights reserved.
License: GPL-1+ or Artistic
Comment:
This program is free software; you can redistribute it and/or modify
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Files: time64.c
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License: Expat

Files:
regcomp.c
regexec.c
Copyright:
Copyright (c) 1986 by University of Toronto.
Written by Henry Spencer. Not derived from licensed software.

Alterations to Henry's code are...
by Larry Wall and others

NOTE: this is derived from Henry Spencer's regexp code, and should not
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Comment:
----------------------------------------
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Copyright:
Paul Hsieh (c) 2004
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Comment:
----------------------------------------
The first two alternative licenses, as retrieved at
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are included at the end of this file.

Part of this file carries the following comment:

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(http://burtleburtle.net/bob/hash/doobs.html)
It is by Paul Hsieh (c) 2004 and is analysed here
http://www.azillionmonkeys.com/qed/hash.html
license terms are here:
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Files: lib/deprecate.pm
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Files: lib/Exporter.pm
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Files: t/op/split_unicode.t
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Comment:
----------------------------------------
The test data was extracted from the Unicode Character Database.

It is assumed that the test code is licensed under the same terms as Perl.

Files: regen/reentr.pl
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Files:
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Porting/valgrindpp.pl
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dist/SelfLoader/*
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cpan/Locale-Maketext-Simple/t/po_with_i_default/fr.po
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cpan/bignum/*
cpan/Tie-RefHash/*
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ext/GDBM_File/*
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ext/NDBM_File/*
ext/ODBM_File/*
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bzip2/libbzip2 version 1.0.5 of 10 December 2007

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use strict;
use Test::More tests => 8;

my $upstream_version;
ok(open(P, "dpkg-parsechangelog "), "successfully piping from dpkg-parsechangelog");
while (<P>) {
  /^Version: (.+)-[^-]+$/ or next;
  $upstream_version = $1;
  last;
}
isnt($upstream_version, ", "found upstream version from dpkg-parsechangelog output");
ok(close P, "dpkg-parsechangelog exited normally");

my $checked_version;
ok(open(C, "<debian/copyright"), "successfully opened debian/copyright");
while (<C>) {
  next if !/^ Last checked against: Perl (.+)/;
  $checked_version = $1;
  last;
}
isnt($checked_version, ", "found checked version from debian/copyright");

is($checked_version, $upstream_version,
"debian/copyright last checked for the current upstream version”;

SKIP: {
    system('which cme >/dev/null 2>&1');
    my $cmd;
    if ($?) {
        system('which config-edit >/dev/null 2>&1');
        skip('no cme or config-edit or available', 2) if $?;
        $cmd = 'config-edit -application dpkg-copyright -ui none';
    } else {
        skip('no cme dpkg-copyright application available (try installing libconfig-model-dpkg-perl)', 2)
            if qx/cme list/ !~ /dpkg-copyright/;
        $cmd = 'cme check dpkg-copyright';
    }
    diag("checking debian/copyright with copyright checker "$cmd");
    unlike( qx/$cmd 2>&1/, qr/error/,
        'no error messages from copyright checker when parsing debian/copyright');
    is($?, 0, 'copyright checker exited successfully');
}

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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.
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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To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>

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Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

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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distribution or on the World Wide Web at
http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html. You can also
obtain it by writing to the Free Software Foundation, Inc., 51
Franklin St, Fifth Floor, Boston, MA 02110-1301, USA.

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.

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From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16
Attachments: Message as HTML
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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: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46

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University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

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> Sent: Monday, October 01, 2007 8:33 PM
> To: Neulinger, Nathan
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From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57
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I am sympathetic. Guys, what do you reckon?

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From: Devin Reade <gdr@gn...> - 2007-10-02 15:04
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will not usually cause companies/developers to GPL the dependent code
(where it is not already GPL).

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Devin
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If it's sinful, it's more fun.

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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
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looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make the change now?
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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
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> > 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 l91Gxtpr020623
   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: <1b1b3fd8071010010908k11dac0afplf2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
   <EC90713277D2BE41B7110CCCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
   <1b1b3fd8071010010908k11dac0afplf2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFEBE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length: 585
Lines: 21
---------- Forwarded message ----------
From: Neulinger, Nathan <nneul@umr.edu>
Date: Sep 27, 2007 2:58 PM
Subject: RE: cracklib license
To: alecm@crypto.dircon.co.uk

Any chance you could write me a self-contained email stating clearly
that the license is being changed to GPL, so I could include that
e-mail
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

-----------
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
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> > > 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 invoking 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 l91Gxtpr020623
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=floowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFEBE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length: 585
Lines: 21

>
> ---------- Forwarded message ----------
> From: Neulinger, Nathan <nneul@umr.edu>
> Date: Sep 27, 2007 2:58 PM
> Subject: RE: cracklib license
> To: alecm@crypto.dircon.co.uk
> 
> Any chance you could write me a self-contained email stating clearly
> that the license is being changed to GPL, so I could include that
> email
> in the repository and clean up the repository/tarballs? I have all the
> original discussion, but something succinct and self contained
> would be
> ideal.

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

1.5664 ipcalc 1.99.0

1.5664.1 Available under license :

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1.5665 protoduck 5.0.1

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1.5666 libidn 1.32-3ubuntu1.1

1.5666.1 Available under license:
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Upstream-Name: Libidn
Upstream-Contact: Simon Josefsson <simon@josefsson.org>
Source: https://www.gnu.org/software/libidn/

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```
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1.5669 python-pip 8.1.1 2ubuntu0.6

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1.5670 libisccfg 1:9.10.3.dfsg.P4 8ubuntu1.19

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* /opt/cola/permits/1110208308_1607498926.49/0/dhcping-1-2-tar-gz/dhcping-1.2/dhcping.c

1.5672 libregexp-common-perl 2013031301-1

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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 3a0982da308228d796df35f98d7877c5c6f2bb5b6.

  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: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"/>
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  </xsl:if>
</xsl:template>

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 */
/**
 * Enumeration of supported Base64 dialects.
 * <p>
 * The internal lookup tables 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>.
 */

Found in path(s):
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-jar/io.netty.handler.codec/base64/Base64Dialect.java
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Found in path(s):
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
  jar/io/netty/handler/codec/ValueConverter.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
  jar/io/netty/handler/codec/CharSequenceValueConverter.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
  jar/io/netty/handler/codec/DefaultHeadersImpl.java

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  jar/io/netty/handler/codec/protobuf/ProtobufEncoderNano.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
  jar/io/netty/handler/codec/protobuf/ProtobufEncoder.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
  jar/io/netty/handler/codec/ProtocolDetectionState.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
  jar/io/netty/handler/codec/protobuf/ProtobufVarint32FrameDecoder.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
  jar/io/netty/handler/codec/protobuf/ProtobufDecoderNano.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
  jar/io/netty/handler/codec/UnsupportedValueConverter.java
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* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
jar/io/netty/handler/codec/EmptyHeaders.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
jar/io/netty/handler/codec/DefaultHeaders.java

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* `/opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-jar/io/netty/handler/codec/compression/Lz4Constants.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.
 * 
 * The encoding and decoding algorithm in this class has been derived from
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* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-jar/io/netty/handler/codec/marshalling/ThreadLocalMarshallerProvider.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-jar/io/netty/handler/codec/MessageAggregator.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-jar/io/netty/handler/codec/ByteToMessageDecoder.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-jar/io/netty/handler/codec/UnsupportedMessageTypeException.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-jar/io/netty/handler/codec/DelimiterBasedFrameDecoder.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-jar/io/netty/handler/codec/PrematureChannelClosureException.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-jar/io/netty/handler/codec/LineBasedFrameDecoder.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-jar/io/netty/handler/codec/serialization/ClassLoaderClassResolver.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-jar/io/netty/handler/codec/marshalling/ClassResolvers.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-jar/io/netty/handler/codec/MessageToMessageCodec.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-jar/io/netty/handler/codec/MessageToMessageCodec.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-jar/io/netty/handler/codec/FixedLengthFrameDecoder.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-jar/io/netty/handler/codec/CorruptedFrameException.java
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/**
* A decoder that splits the received ByteBufs 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 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.
*<pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 2
* lengthAdjustment    = 0
* initialBytesToStrip = 0 (= do not strip header)
*<h3>2 bytes length field at offset 0, strip header</h3>
*<p>
* Because we can get the length of the content by calling
* [@link 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.
*<pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 2
* lengthAdjustment    = 0
* initialBytesToStrip = 2 (= the length of the Length field)
*/

* BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
* +--------+----------------+      +--------+----------------+
* | Length | Actual Content |----->| Length | Actual Content |
* | 0x000C | "HELLO, WORLD" |      | 0x000C | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
*/

* BEFORE DECODE (14 bytes) AFTER DECODE (12 bytes)

* +--------+----------------+      +--------+----------------+
* | Length | Actual Content |----->| Length | Actual Content |
* | 0x000C | "HELLO, WORLD" |      | 0x000C | "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 bytes, we specify lengthAdjustment = -2
* for compensation.

* BEFORE Decode (14 bytes)     AFTER Decode (14 bytes)
* +--------+----------------+      +--------+----------------+
* | Length | Actual Content |----->| Length | Actual Content |
* | 0x000C | "HELLO, WORLD" |      | 0x000E | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
* </pre>

* 3 bytes length field at the end of 5 bytes header, do not strip header
* 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.

* 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>
* <h3>3 bytes length field at the beginning of 5 bytes header, do not strip header</h3>
* 
* 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>
* 
* <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>    = <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>`
* `</pre`
* `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/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java

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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.

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Adapted from a C++ implementation of Chris Doty-Humphrey's SFC PRNG.

https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083

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Original algorithm for the implementation of rk_interval function from Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

Constants used in the rk_double implementation by Isaku Wada.

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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Mersenne Twister

Mersenne Twister

The `_random' module includes code based on a download from
`http://www.math.keio.ac.jp/~matumoto/MT2002/emt19937ar.html'. The following are the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26. Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed) or init_by_array(init_key, key_length).

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Any feedback is very welcome.
http://www.math.keio.ac.jp/matumoto/emt.html
email: matumoto@math.keio.ac.jp

Sockets
-------

The `socket' module uses the functions, `getaddrinfo', and `getnameinfo', which are coded in separate source files from the WIDE Project, `http://www.wide.ad.jp/about/index.html'.

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UUencode and UUdecode functions
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Modified by Jack Jansen, CWI, July 1995:  
- Use binascii module to do the actual line-by-line conversion  
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- Arguments more compliant with python standard

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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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Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely
due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood. Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bde@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(age@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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* m4/ax_func_which_gethostbyname_r.m4

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1.5712 protocol-http1 0.13.2

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Protocol::HTTP1

Provides a low-level implementation of the HTTP/1 protocol.


## Installation

Add this line to your application's Gemfile:

```ruby
*** ruby
gem 'protocol-http1'
***
```

And then execute:

```
$ bundle
```

Or install it yourself as:

```
$ gem install protocol-http1
```

## Usage

Here is a basic HTTP/1.1 client:

```ruby
*** ruby
require 'async'
require 'async/io/stream'
require 'async/http/endpoint'
require 'protocol/http1/connection'

Async do
  endpoint = Async::HTTP::Endpoint.parse("https://www.google.com/search?q=kittens", alpn_protocols: ["http/1.1"])
  peer = endpoint.connect
  puts "Connected to #{peer} #{peer.remote_address.inspect}"
end
```

# IO Buffering...
stream = Async::IO::Stream.new(peer)
client = Protocol::HTTP1::Connection.new(stream)

def client.read_line
  @stream.read_until(Protocol::HTTP1::Connection::CRLF) or raise EOFError
end

puts "Writing request..."
client.write_request("www.google.com", "GET", "/search?q=kittens", "HTTP/1.1", [["Accept", "+/\*\"]])
client.write_body(nil)

puts "Reading response..."
response = client.read_response("GET")

puts "Got response: #{response.inspect}"
puts "Closing client..."
client.close
end

## Contributing

1. Fork it
2. Create your feature branch (`git checkout -b my-new-feature`)
3. Commit your changes (`git commit -am 'Add some feature'`)
4. Push to the branch (`git push origin my-new-feature`)
5. Create new Pull Request

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1.5713 libmagic 1:5.25-2ubuntu1

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Metadata-Version: 2.0
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Platform: UNKNOWN
Requires-Dist: Jinja2 (==2.8)
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Requires-Dist: idna (==2.7)
Requires-Dist: maglev-appserver (~=1.8.0)
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# Sidecar for managed service
+ Requires : Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

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1.5716 xkb-data 2.23.1-1ubuntu1.18.04.1

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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 (martintauchmann@bigfoot.com) supplied the Amiga port.

Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.

Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and...
Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(rgc@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). 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). 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). 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).

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* /opt/cola/permits/1111264641_1606893048.72/0/spring-beans-3-2-8-release-sources-1.jar/org/springframework/beans/factory/annotation/Autowire.java
* /opt/cola/permits/1111264641_1606893048.72/0/spring-beans-3-2-8-release-sources-1.jar/org/springframework/beans/factory/parsing/EmptyReaderEventListener.java
* /opt/cola/permits/1111264641_1606893048.72/0/spring-beans-3-2-8-release-sources-1.jar/org/springframework/beans/factory/xml/NamespaceHandlerSupport.java
* /opt/cola/permits/1111264641_1606893048.72/0/spring-beans-3-2-8-release-sources-1.jar/org/springframework/beans/factory/config/CustomScopeConfigurer.java
* /opt/cola/permits/1111264641_1606893048.72/0/spring-beans-3-2-8-release-sources-1.jar/org/springframework/beans/factory/config/BeanExpressionContext.java
* /opt/cola/permits/1111264641_1606893048.72/0/spring-beans-3-2-8-release-sources-1-
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  jar/org/springframework/beans/factory/support/ConstructorResolver.java
* /opt/cola/permits/1111264641_1606893048.72/0/spring-beans-3-2-8-release-sources-1-
  jar/org/springframework/beans/factory/support/MethodOverride.java
* /opt/cola/permits/1111264641_1606893048.72/0/spring-beans-3-2-8-release-sources-1-
  jar/org/springframework/beans/factory/support/AbstractAutowireCapableBeanFactory.java
* /opt/cola/permits/1111264641_1606893048.72/0/spring-beans-3-2-8-release-sources-1-
  jar/org/springframework/beans/BeanWrapper.java
* /opt/cola/permits/1111264641_1606893048.72/0/spring-beans-3-2-8-release-sources-1-
  jar/org/springframework/beans/factory/support/CglibSubclassingInstantiationStrategy.java
* /opt/cola/permits/1111264641_1606893048.72/0/spring-beans-3-2-8-release-sources-1-
  jar/org/springframework/beans/factory/support/AbstractBeanDefinition.java
* /opt/cola/permits/1111264641_1606893048.72/0/spring-beans-3-2-8-release-sources-1-
  jar/org/springframework/beans/CachedIntrospectionResults.java
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# packaged angular-route

This repo is for distribution on `npm` and `bower`. The source for this module is in the [main AngularJS repo](https://github.com/angular/angular.js/tree/master/src/ngRoute). Please file issues and pull requests against that repo.

## Install

You can install this package either with `npm` or with `bower`.

### npm

```shell
npm install angular-route
```

Then add `ngRoute` as a dependency for your app:

```javascript
angular.module('myApp', [require('angular-route')]);
```

### bower

```shell
bower install angular-route
```

Add a `<script>` to your `index.html`:

```html
<script src="/bower_components/angular-route/angular-route.js"></script>
```

Then add `ngRoute` as a dependency for your app:

```javascript
angular.module('myApp', ['ngRoute']);
```

## Documentation

Documentation is available on the [AngularJS docs site](http://docs.angularjs.org/api/ngRoute).
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1.5739 libssl 1.0.2k-r0

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1.5746 python-all-dev 2.7.13-2
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This is the Debian GNU/Linux prepackaged version of the Python programming
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This package was put together by Klee Dienes <klee@debian.org> from
sources from ftp.python.org:/pub/python, based on the Debianization by
the previous maintainers Bernd S. Brentrup <bsb@uni-muenster.de> and
Bruce Perens.
Current maintainer is Matthias Klose <doko@debian.org> until the final 2.3 version is released.

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A. HISTORY OF THE SOFTWARE

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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1.5747 agentkeepalive 3.3.0

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1.5748 libxcb 1.12-1
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1.5757 ini 1.3.8

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      <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>
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  </properties>

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      <artifactId>brave-core</artifactId>
      <version>${project.version}</version>
    </dependency>
  </dependencies>
</project>
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1.5771 uri 0.10.0

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1.5772 libuuid 2.35.2-r0

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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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<one line to give the program's name and a brief idea of what it does.>
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Ty Coon, President of Vice

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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.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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A "library" means a collection of software functions and/or data
prepared so as to be conveniently linked with application programs
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The "Library", below, refers to any such software library or work
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Library" means either the Library or any derivative work under
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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
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   b) You must cause the files modified to carry prominent notices
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   c) You must cause the whole of the work to be licensed at no
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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
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in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
root function must still compute square roots.)

These requirements apply to the modified work as a whole. If
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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
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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.

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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.

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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.

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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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Julian Seward, jseward@bzip.org
bzips/libbzip2 version 1.0.6 of 6 September 2010

---
abstract: 'Build and install Perl modules'
author:
- 'Ken Williams <kwilliams@cpan.org>'
- "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>.'
build_requiring:
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
Format: http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: perl
Source: http://www.perl.com/CPAN/src/5.0/
Comment:
This package was debianized by Brendan O'Dea <bod@debian.org> on
Thu, 17 Aug 2000 16:10:54 +1000.
.
Upstream Authors:
.
    Larry Wall et. al. (see /usr/share/doc/perl/AUTHORS).
.
Last checked against: Perl 5.22.1

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dist/Safe/*
ext/Fcntl/*
ext/FileCache/*
ext/GDBM_File/
ext/IPC-Open2/
ext/IPC-Open3/
ext/NDBM_File/
ext/ODBM_File/
ext/Opcode/*
ext/PerlIO-encoding/*
ext/PerlIO-scalar/*
ext/PerlIO-via/*
ext/POSIX/*
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Jean-loup Gailly        Mark Adler
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Upstream-Name: perl
Source: http://www.perl.com/CPAN/src/5.0/
Comment: This package was debianized by Brendan O'Dea <bod@debian.org> on Thu, 17 Aug 2000 16:10:54 +1000.

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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

That's all there is to it!

--------------------------------------------------------------------------

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

#!perl
=head1 NAME
copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

=cut

use TestInit;
use strict;
use Config;
BEGIN { require 'test.pl' }

if ( $Config{usecrosscompile} ) { 
  skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
{
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
    open my $readme, '<', '../README' or die "Opening README failed: $!";

    # The copyright message is the first paragraph:
    local $/ = ";
    my $copyright_msg = <$readme>;

    my ($year) = $copyright_msg =~ /.*(\d{4,})/s
    or die "Year not found in README copyright message '$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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1.5790 @webassemblyjs/helper-module-context 1.7.10

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src/base/fhash.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
src/bdf/rules.mk
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1.5798 err-code 1.1.2

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1.5799 blkid 2.35.2-r0

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1.5809 map-stream 0.1.0

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1.5810 jackson-annotations 2.6.0

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1.5812 define-properties 1.1.2

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version 3, can be found in /usr/share/common-licenses/GPL-3.
Comment: The saslfinger utility was downloaded from
http://postfix.state-of-mind.de/patrick.koetter/saslfinger/

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Comment: The gen-auth utility was downloaded from
http://jetmore.org/john/code/gen-auth
/* CMU libbsasl
   * Tim Martin
   * Rob Earhart
   * Rob Siemborski
*/
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1.5814 zlib 1.2.11-r0

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This is the Debian GNU/Linux prepackaged version of kmod.

It has been packaged by Marco d'Itri <md@linux.it>.

Original sources were obtained from:
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1.5816 libc-dev 2.23 0ubuntu11.3

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Description: Don't warn for _BSD_SOURCE || _SVID_SOURCE, drop post-vivid
Author: Adam Conrad <adconrad@ubuntu.com>

--- glibc-2.21.orig/include/features.h
+++ glibc-2.21/include/features.h
@@ -145,7 +145,10 @@
     transitioned to use the new macro. */
 #if (defined _BSD_SOURCE || defined _SVID_SOURCE)
   
+#warning "_BSD_SOURCE and _SVID_SOURCE are deprecated, use _DEFAULT_SOURCE"
+*/
 #endif

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/**
 * {@link LobHandler} implementation for Oracle databases. Uses proprietary API
 * to create <code>oracle.sql.BLOB</code> and <code>oracle.sql.CLOB</code>
 * instances, as necessary when working with Oracle's JDBC driver.
 * Note that this LobHandler requires Oracle JDBC driver 9i or higher!
 *
 * <p>While most databases are able to work with {@link DefaultLobHandler},
*/
* Oracle just accepts Blob/Clob instances created via its own proprietary BLOB/CLOB API, and additionally doesn't accept large streams for PreparedStatement's corresponding setter methods. Therefore, you need to use a strategy like this LobHandler implementation.

* <p>Needs to work on a native JDBC Connection, to be able to cast it to <code>oracle.jdbc.OracleConnection</code>. If you pass in Connections from a connection pool (the usual case in a J2EE environment), you need to set an appropriate [@link org.springframework.jdbc.support.nativejdbc.NativeJdbcExtractor]
* to allow for automatical retrieval of the underlying native JDBC Connection.
* LobHandler and NativeJdbcExtractor are separate concerns, therefore they are represented by separate strategy interfaces.

* <p>Coded via reflection to avoid dependencies on Oracle classes.
* Even reads in Oracle constants via reflection because of different Oracle drivers (classes12, ojdbc14, ojdbc5, ojdbc6) having different constant values!
* As this LobHandler initializes Oracle classes on instantiation, do not define this as eager-initializing singleton if you do not want to depend on the Oracle JAR being in the class path: use "lazy-init=true" to avoid this issue.

* @author Juergen Hoeller
* @author Thomas Risberg
* @since 04.12.2003
* @see #setNativeJdbcExtractor
* @see oracle.sql.BLOB
* @see oracle.sql.CLOB
*/

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/**
 *
* The classes in this package make JDBC easier to use and reduce the likelihood of common errors. In particular, they:
* <ul>
* <li>Simplify error handling, avoiding the need for try/catch/finally blocks in application code.
* <li>Present exceptions to application code in a generic hierarchy of unchecked exceptions, enabling applications to catch data access exceptions without being dependent on JDBC, and to ignore fatal exceptions there is no value in catching.
* <li>Allow the implementation of error handling to be modified to target different RDBMSes without introducing proprietary dependencies into application code.
* </ul>
This package and related packages are discussed in Chapter 9 of
Expert One-On-One J2EE Design and Development
by Rod Johnson (Wrox, 2002).

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Close this LobCreator session and free its temporarily created BLOBs and CLOBs.
Will not need to do anything if using PreparedStatement's standard methods,
but might be necessary to free database resources if using proprietary means.
NOTE: Needs to be invoked after the involved PreparedStatements have
been executed or the affected O/R mapping sessions have been flushed.

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* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2-jar/org/springframework/jdbc/core/SqlReturnResultSet.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2-jar/org/springframework/jdbc/datasource/lookup/DataSourceLookup.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2-jar/org/springframework/jdbc/datasource/lookup/DataSourceLookupFailureException.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2-jar/org/springframework/jdbc/core/namedparam/NamedParameterJdbcDaoSupport.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2-jar/org/springframework/jdbc/SQLWarningException.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2-jar/org/springframework/jdbc/datasource/lookup/SingleDataSourceLookup.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2-jar/org/springframework/jdbc/datasource/lookup/DataSourceLookupFailureException.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2-jar/org/springframework/jdbc/core/support/JdbcTemplate.java

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* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2-jar/org/springframework/jdbc/support/DatabaseMetaDataCallback.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2-jar/org/springframework/jdbc/core/SqlProvider.java
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* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2-jar/org/springframework/jdbc/core/CallableStatementCreator.java
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* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2.jar/org/springframework/jdbc/support/incrementer/MySQLMaxValueIncrementer.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2.jar/org/springframework/jdbc/lookup/MapDataSourceLookup.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2.jar/org/springframework/jdbc/core/ResultSetExtractor.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2.jar/org/springframework/jdbc/core/RowMapper.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2.jar/org/springframework/jdbc/datasource/lookup/MapDataSourceLookup.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2.jar/org/springframework/jdbc/core/RowMapperResultSetExtractor.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2.jar/org/springframework/jdbc/core/RowMapper.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2.jar/org/springframework/jdbc/support/nativejdbc/WebLogicNativeJdbcExtractor.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2.jar/org/springframework/jdbc/core/BatchUpdateUtils.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2.jar/org/springframework/jdbc/support/DatabaseStartupValidator.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2.jar/org/springframework/jdbc/support/xml/XMLBinaryStreamProvider.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2.jar/org/springframework/jdbc/object/UpdatableSqlQuery.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2.jar/org/springframework/jdbc/core/CoreCallback.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2.jar/org/springframework/jdbc/core/support/JdbcDaoSupport.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2.jar/org/springframework/jdbc/core/namedparam/AbstractSqlParameterSource.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2.jar/org/springframework/jdbc/support/xml/SqlXmlHandler.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2.jar/org/springframework/jdbc/support/GeneratedKeyHolder.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2.jar/org/springframework/jdbc/support/nativejdbc/CommonsDbcpNativeJdbcExtractor.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2.jar/org/springframework/jdbc/support/SQLErrorCodeSQLExceptionTranslator.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2.jar/org/springframework/jdbc/datasource/DriverManagerDataSource.java

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* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2.jar/org/springframework/jdbc/support/incrementer/DB2SequenceMaxValueIncrementer.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2.jar/org/springframework/jdbc/core/support/AbstractSqlTypeValue.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2.jar/org/springframework/jdbc/datasource/IsolationLevelDataSourceAdapter.java

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*/
/**
* Implement this interface when parameters need to be customized based
* on the connection. We might need to do this to make use of proprietary
* features, available only with a specific Connection type.
*
* @author Rod Johnson
* @author Thomas Risberg
* @see CallableStatementCreatorFactory#newCallableStatementCreator(ParameterMapper)
* @see org.springframework.jdbc.object.StoredProcedure#execute(ParameterMapper)
*/
/**
* Create a Map of input parameters, keyed by name.
* @param con JDBC connection. This is useful (and the purpose of this interface)
* if we need to do something RDBMS-specific with a proprietary Connection
* implementation class. This class conceals such proprietary details. However,
* it is best to avoid using such proprietary RDBMS features if possible.
* @throws SQLException if a SQLException is encountered setting
* parameter values (that is, there's no need to catch SQLException)
* @return Map of input parameters, keyed by name (never <code>null</code>)
*/

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* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2-jar/org/springframework/jdbc/core/namedparam/SqlParameterSource.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2-jar/org/springframework/jdbc/core/simple/ParameterizedBeanPropertyRowMapper.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2-jar/org/springframework/jdbc/core/columnMap/ColumnMapRowMapper.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2-jar/org/springframework/jdbc/datasource/init/DatabasePopulator.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2-jar/org/springframework/jdbc/datasource/init/HSqlEmbeddedDatabaseConfigurer.java
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* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2-jar/org/springframework/jdbc/datasource/init/SimpleDriverDataSourceFactory.java
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* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2.jar/org/springframework/jdbc/datasource/EmbeddedDatabaseFactoryBean.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2.jar/org/springframework/jdbc/datasource/init/CompositeDatabasePopulator.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2.jar/org/springframework/jdbc/datasource/init/DatabasePopulatorUtils.java
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* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2.jar/org/springframework/jdbc/datasource/RowSetResultSetExtractor.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2.jar/org/springframework/jdbc/datasource/SqlRowSetResultSetExtractor.java

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* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2-jar/org/springframework/jdbc/support/lob/AbstractLobHandler.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2-jar/org/springframework/jdbc/LobRetrievalFailureException.java
* /opt/cola/permits/1112481214_1607094240.11/0/spring-jdbc-3-1-1-release-sources-2-jar/org/springframework/jdbc/support/rowset/SqlRowSetMetaData.java

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/**
 * Strategy interface for translating between [ @link SQLException SQLExceptions] and Spring's data access strategy-agnostic [ @link DataAccessException]
 * hierarchy.
 * <p>Implementations can be generic (for example, using [ @link java.sql.SQLException#getSQLState() SQLState] codes for JDBC) or wholly proprietary (for example, using Oracle error codes) for greater precision.
 * @author Rod Johnson
 * @author Juergen Hoeller
 * @see org.springframework.dao.DataAccessException
 */

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 */
/**
 * Abstraction for handling large binary fields and large text fields in
 * specific databases, no matter if represented as simple types or Large OBjects.
 * Its main purpose is to isolate Oracle's peculiar handling of LOBs in
 * [@link OracleLobHandler]; most other databases should be able to work
 * with the provided [@link DefaultLobHandler].
 *
 * Provides accessor methods for BLOBs and CLOBs, and acts as factory for
 * LobCreator instances, to be used as sessions for creating BLOBs or CLOBs.
 * LobCreators are typically instantiated for each statement execution or for
 * each transaction; they are not thread-safe because they might track
 * allocated database resources in order to free them after execution.
 *
 * Most databases/drivers should be able to work with [@link DefaultLobHandler],
 * which by default delegates to JDBC's direct accessor methods, avoiding the
 * `java.sql.Blob` and `java.sql.Clob` API completely.
 * [@link DefaultLobHandler] can also be configured to access LOBs using
 * `PreparedStatement.setBlob/setClob` (e.g. for PostgreSQL), through
 * setting the [@link DefaultLobHandler#setWrapAsLob "wrapAsLob"] property.
 *
 * Unfortunately, Oracle 9i just accepts Blob/Clob instances created via its own
 * proprietary BLOB/CLOB API, and additionally doesn't accept large streams for
 * PreparedStatement's corresponding setter methods. Therefore, you need to use
 * [@link OracleLobHandler] there, which uses Oracle's BLOB/CLOB API for both types
 * of access. The Oracle 10g JDBC driver should basically work with
 * [@link DefaultLobHandler] as well, with some limitations in terms of LOB sizes.
 *
 * Of course, you need to declare different field types for each database.
 * In Oracle, any binary content needs to go into a BLOB, and all character content
 * beyond 4000 bytes needs to go into a CLOB. In MySQL, there is no notion of a
 * CLOB type but rather a LONGTEXT type that behaves like a VARCHAR. For complete
* portability, use a LobHandler for fields that might typically require LOBs on
* some database because of the field size (take Oracle's numbers as a guideline).
*
* <p><b>Summarizing the recommended options (for actual LOB fields):</b></p>
* 
* <ul>
* <li><b>JDBC 4.0 driver:</b> {@link DefaultLobHandler} with <code>streamAsLob=true</code>.</li>
* <li><b>PostgreSQL:</b> {@link DefaultLobHandler} with <code>wrapAsLob=true</code>.</li>
* <li><b>Oracle 9i/10g:</b> {@link OracleLobHandler} with a connection-pool-specific
*   {@link OracleLobHandler#setNativeJdbcExtractor NativeJdbcExtractor}.</li>
* <li>For all other database drivers (and for non-LOB fields that might potentially
*   turn into LOBs on some databases): a plain {@link DefaultLobHandler}.</li>
* </ul>
*
* @author Juergen Hoeller
* @since 23.12.2003
* @see DefaultLobHandler
* @see OracleLobHandler
* @see java.sql.ResultSet#getBlob
* @see java.sql.ResultSet#getClob
* @see java.sql.ResultSet#getBytes
* @see java.sql.ResultSet#getBinaryStream
* @see java.sql.ResultSet#getString
* @see java.sql.ResultSet#getAsciiStream
* @see java.sql.ResultSet#getCharacterStream
*/

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The following was received February 23, 2000
From: "Linn, John" <jlinn@rsasecurity.com>

February 19, 2000

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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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</tr>
</thead>
</table>

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7.2.0

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    cmd/krb5/slave/kpropd_rpc.c
    lib/gss_mechs/mech_krb5/et/kdb5_err.c
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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 util.s.c
lib/gssapi/mechglue/g verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kproplog.c

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Here is a list of the main contributors to lm-sensors version 3.

* Frodo Looijaard
  Original author of libsensors, sensors-detect, sensors and isadump.
* Merlin Hughes
  Original author of sensord.
* Bob Schlaermann
  Dynamic chip feature detection (a.k.a. generic chip support) in
  libsensors and sensors.
* Mark M. Hoffman
  Many improvements to the libsensors configuration file scanner.
* Jean Delvare
  New libsensors API, and migration of sensors and sensord thereto.
  Many optimizations in libsensors and sensors.
  Configuration file converter.
  Rewrite of sensors-detect.
  Support for multiple configuration files in libsensors.

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*/
/**
 * 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 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.
 * <pre>
 * <b>lengthFieldOffset</b>   = <b>0</b>
 * <b>lengthFieldLength</b>   = <b>2</b>
 * lengthAdjustment    = 0
 * initialBytesToStrip = 0 (= do not strip header)
 * </pre>
 *
 * BEFORE DECODE (14 bytes)         AFTER DECODE (14 bytes)
 * +--------+----------------+      +--------+----------------+
 * | Length | Actual Content |----->| Length | Actual Content |
 * | 0x000C | "HELLO, WORLD" |      | 0x000C | "HELLO, WORLD" |
 *
 *
 * <h3>2 bytes length field at offset 0, strip header</h3>
 *
 * 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>
* <h3>2 bytes length field at offset 0, do not strip header, the length field
* represents the length of the whole message</h3>
* 
* 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>
* <h3>3 bytes length field at the end of 5 bytes header, do not strip header</h3>
* 
* 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>
* initialBytesToStrip   = <b>2</b> (= the length of the Length field)
* </pre>

---

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* 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>

* 3 bytes length field at the beginning of 5 bytes header, do not strip header</h3>

* 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 = 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 |
* +-------------------------------+-------------------+
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

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 lengthAdjustment.
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.

lengthFieldOffset = 1
lengthFieldLength = 2
lengthAdjustment = -3 (= the length of HDR1 + LEN, negative)
initialBytesToStrip = 3

BEFORE DECODE (16 bytes) 
AFTER DECODE (13 bytes)

Before Decode | HDR1 | Length | HDR2 | Actual Content
After Decode  | HDR2 | Actual Content

...
/*

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1.5870 linux-tools-generic 4.15.0.135.122

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1.5871 openssl 2.1.2

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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 (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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1.5885 json 20121008-1
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/*
json.js
2012-10-08

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See http://www.JSON.org/js.html

This code should be minified before deployment.
See http://javascript.crockford.com/jsmin.html

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This file adds these methods to JavaScript:

object.toJSONString(whitelist)
This method produce a JSON text from a JavaScript value.
It must not contain any cyclical references. Illegal values
will be excluded.
The default conversion for dates is to an ISO string. You can add a toJSONString method to any date object to get a different representation.

The object and array methods can take an optional whitelist argument. A whitelist is an array of strings. If it is provided, keys in objects not found in the whitelist are excluded.

`string.parseJSON(filter)`

This method parses a JSON text to produce an object or array. It can throw a SyntaxError exception.

The optional filter parameter is a function which can filter and transform the results. It receives each of the keys and values, and its return value is used instead of the original value. If it returns what it received, then structure is not modified. If it returns undefined then the member is deleted.

Example:

```javascript
// Parse the text. If a key contains the string 'date' then
// convert the value to a date.

myData = text.parseJSON(function (key, value) {
    return key.indexOf('date') >= 0 ? new Date(value) : value;
});
```

This file will break programs with improper for..in loops. See http://yuiblog.com/blog/2006/09/26/for-in-intrigue/

This file creates a global JSON object containing two methods: `stringify` and `parse`.

`JSON.stringify(value, replacer, space)`

- `value`  any JavaScript value, usually an object or array.
- `replacer` an optional parameter that determines how object values are stringified for objects. It can be a function or an array of strings.
- `space`  an optional parameter that specifies the indentation of nested structures. If it is omitted, the text will be packed without extra whitespace. If it is a number, it will specify the number of spaces to indent at each level. If it is a string (such as ‘\t’ or ‘&nbsp;’), it contains the characters used to indent at each level.

This method produces a JSON text from a JavaScript value.
When an object value is found, if the object contains a toJSON method, its toJSON method will be called and the result will be stringified. A toJSON method does not serialize: it returns the value represented by the name/value pair that should be serialized, or undefined if nothing should be serialized. The toJSON method will be passed the key associated with the value, and this will be bound to the object holding the key.

For example, this would serialize Dates as ISO strings.

```javascript
Date.prototype.toJSON = function (key) {
    function f(n) {
        // Format integers to have at least two digits.
        return n < 10 ? '0' + n : n;
    }

    return this.getUTCFullYear() + '-' +
           f(this.getUTCMonth() + 1) + '-' +
           f(this.getUTCDate()) + 'T' +
           f(this.getUTCHours()) + ':' +
           f(this.getUTCMinutes()) + ':' +
           f(this.getUTCSeconds()) + 'Z';
};
```

You can provide an optional replacer method. It will be passed the key and value of each member, with this bound to the containing object. The value that is returned from your method will be serialized. If your method returns undefined, then the member will be excluded from the serialization.

If the replacer parameter is an array of strings, then it will be used to select the members to be serialized. It filters the results such that only members with keys listed in the replacer array are stringified.

Values that do not have JSON representations, such as undefined or functions, will not be serialized. Such values in objects will be dropped; in arrays they will be replaced with null. You can use a replacer function to replace those with JSON values. JSON.stringify(undefined) returns undefined.

The optional space parameter produces a stringification of the value that is filled with line breaks and indentation to make it easier to read.

If the space parameter is a non-empty string, then that string will be used for indentation. If the space parameter is a number, then
the indentation will be that many spaces.

Example:

text = JSON.stringify(['e', {pluribus: 'unum'}]);
// text is ['"e",{"pluribus":"unum"}']

text = JSON.stringify(['e', {pluribus: 'unum'}], null, '\t');
// text is '\n\t"e",\n\t{"pluribus": "unum"}\n\n'

text = JSON.stringify([new Date()], function (key, value) {
    return this[key] instanceof Date ?
        'Date(' + this[key] + ') : value;
});
// text is ['"Date(---current time---)"']

JSON.parse(text, reviver)
This method parses a JSON text to produce an object or array.
It can throw a SyntaxError exception.

The optional reviver parameter is a function that can filter and
transform the results. It receives each of the keys and values,
and its return value is used instead of the original value.
If it returns what it received, then the structure is not modified.
If it returns undefined then the member is deleted.

Example:

// Parse the text. Values that look like ISO date strings will
// be converted to Date objects.

myData = JSON.parse(text, function (key, value) {
    var a;
    if (typeof value === 'string') {
        a = /^\d{4}-\d{2}-\d{2}T\d{2}:\d{2}(?:\d{3})Z$/.exec(value);
        if (a) {
            return new Date(Date.UTC(+a[1], +a[2] - 1, +a[3], +a[4],
                +a[5], +a[6]));
        }
    }
    return value;
});

myData = JSON.parse('"Date(09/09/2001)"', function (key, value) {
    var d;
if (typeof value === 'string' &&
    value.slice(0, 5) === 'Date(' &&
    value.slice(-1) === ')') {
  d = new Date(value.slice(5, -1));
  if (d) {
    return d;
  }
  return value;
};

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*/

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* /opt/cola/permits/1110662638_1611165298.14/0/src-json-20121008-1-jar/META-INF/resources/webjars/json/20121008/json.js
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1.5886 arraybuffer.slice 0.0.6
1.5886.1 Available under license:

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# How to
```javascript
var sliceBuffer = require('arraybuffer.slice');
var ab = (new Int8Array(5)).buffer;
var sliced = sliceBuffer(ab, 1, 3);
sliced = sliceBuffer(ab, 1);
```

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* /opt/cola/permits/1110638508_1607050377.44/0/arraybuffer-slice-0-0-6-5-tgz/package/README.md

1.5887 extsprintf 1.3.0
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1.5888 stack-chain 1.3.7
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1.5889 libkcrypto 1.15-1+deb9u2
1.5889.1 Available under license :
This package was debianized by Sam Hartman <hartmans@permabit.com> on

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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
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kproplog.c

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-- vile: txtextmode file-encoding=utf-8
Upstream source https://invisible-island.net/ncurses/ncurses.html
This package is used for testing builds of ncurses.

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

Files: *
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-- vile: txtmode file-encoding=utf-8
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1.5896 python-setuptools 22.0.5

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* /opt/cola/permits/1121503785_1610155403.89/0/setuptools-22-0-5-1-tar-gz/setuptools-22.0.5/pkg_resources/_vendor/pyparsing.py
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* /opt/cola/permits/1121503785_1610155403.89/0/setuptools-22-0-5-1-tar-gz/setuptools-22.0.5/pkg_resources/_vendor/packaging/_structures.py
Building and Distributing Packages with Setuptools

``Setuptools`` is a collection of enhancements to the Python ``distutils`` (for Python 2.6 and up) that allow developers to more easily build and distribute Python packages, especially ones that have dependencies on other packages.

Packages built and distributed using ``setuptools`` look to the user like ordinary Python packages based on the ``distutils``. Your users don't need to install or even know about setuptools in order to use them, and you don't have to include the entire setuptools package in your distributions. By including just a single `bootstrap module` (a 12K .py file), your package will automatically download and install ``setuptools`` if the user is building your package from source and doesn't have a suitable version already installed.

.. _bootstrap module: https://bootstrap.pypa.io/ez_setup.py

Feature Highlights:

* Automatically find/download/install/upgrade dependencies at build time using the `EasyInstall tool <easy_install.html>`_, which supports downloading via HTTP, FTP, Subversion, and SourceForge, and automatically scans web pages linked from PyPI to find download links. (It's the closest thing to CPAN currently available for Python.)

* Create `Python Eggs <http://peak.telecommunity.com/DevCenter/PythonEggs>`_ - a single-file importable distribution format
* Enhanced support for accessing data files hosted in zipped packages.

* Automatically include all packages in your source tree, without listing them individually in setup.py

* Automatically include all relevant files in your source distributions, without needing to create a `MANIFEST.in` file, and without having to force regeneration of the `MANIFEST` file when your source tree changes.

* Automatically generate wrapper scripts or Windows (console and GUI) .exe files for any number of "main" functions in your project. (Note: this is not a py2exe replacement; the .exe files rely on the local Python installation.)

* Transparent Pyrex support, so that your setup.py can list `.pyx` files and still work even when the end-user doesn't have Pyrex installed (as long as you include the Pyrex-generated C in your source distribution)

* Command aliases - create project-specific, per-user, or site-wide shortcut names for commonly used commands and options

* PyPI upload support - upload your source distributions and eggs to PyPI

* Deploy your project in "development mode", such that it's available on `sys.path`, yet can still be edited directly from its source checkout.

* Easily extend the distutils with new commands or `setup()` arguments, and distribute/reuse your extensions for multiple projects, without copying code.

* Create extensible applications and frameworks that automatically discover extensions, using simple "entry points" declared in a project's setup script.

In addition to the PyPI downloads, the development version of `setuptools` is available from the 'Python SVN sandbox', and in-development versions of the `0.6 branch` are available as well.

.. _0.6 branch: http://svn.python.org/projects/sandbox/branches/setuptools-0.6/#egg=setuptools-dev06

.. _Python SVN sandbox: http://svn.python.org/projects/sandbox/trunk/setuptools/#egg=setuptools-dev

.. contents:: **Table of Contents**

.. _ez_setup.py: `bootstrap module`
Installing `setuptools`

Please follow the `EasyInstall Installation Instructions`_ to install the current stable version of setuptools. In particular, be sure to read the section on `Custom Installation Locations`_ if you are installing anywhere other than Python's `site-packages` directory.

.. _EasyInstall Installation Instructions: easy_install.html#installation-instructions

.. _Custom Installation Locations: easy_install.html#custom-installation-locations

If you want the current in-development version of setuptools, you should first install a stable version, and then run:

    ez_setup.py setuptools==dev

This will download and install the latest development (i.e. unstable) version of setuptools from the Python Subversion sandbox.

Basic Use

For basic use of setuptools, just import things from setuptools instead of the distutils. Here's a minimal setup script using setuptools:

    from setuptools import setup, find_packages
    setup(  
        name = "HelloWorld",  
        version = "0.1",  
        packages = find_packages(),  
    )

As you can see, it doesn't take much to use setuptools in a project. Run that script in your project folder, alongside the Python packages you have developed.

Invoke that script to produce eggs, upload to PyPI, and automatically include all packages in the directory where the setup.py lives. See the `Command Reference`_ section below to see what commands you can give to this setup script. For example, to produce a source distribution, simply invoke:

    python setup.py sdist

Of course, before you release your project to PyPI, you'll want to add a bit
more information to your setup script to help people find or learn about your project. And maybe your project will have grown by then to include a few dependencies, and perhaps some data files and scripts:

```python
from setuptools import setup, find_packages
setup(
    name = "HelloWorld",
    version = "0.1",
    packages = find_packages(),
    scripts = ['say_hello.py'],

    # Project uses reStructuredText, so ensure that the docutils get
    # installed or upgraded on the target machine
    install_requires = ['docutils>=0.3'],

    package_data = {
        # If any package contains *.txt or *.rst files, include them:
        ': ['*.txt', '*.rst'],
        # And include any *.msg files found in the 'hello' package, too:
        'hello': ['*.msg'],
    },

    # metadata for upload to PyPI
    author = "Me",
    author_email = "me@example.com",
    description = "This is an Example Package",
    license = "PSF",
    keywords = 'hello world example examples',
    url = "http://example.com/HelloWorld/",  # project home page, if any

    # could also include long_description, download_url, classifiers, etc.
)
```

In the sections that follow, we'll explain what most of these ```setup()``` arguments do (except for the metadata ones), and the various ways you might use them in your own project(s).

Specifying Your Project's Version
---------------------------------

Setuptools can work well with most versioning schemes; there are, however, a few special things to watch out for, in order to ensure that setuptools and EasyInstall can always tell what version of your package is newer than another version. Knowing these things will also help you correctly specify what versions of other projects your project depends on.

A version consists of an alternating series of release numbers and pre-release
or post-release tags. A release number is a series of digits punctuated by
dots, such as ``2.4`` or ``0.5``. Each series of digits is treated
numerically, so releases ``2.1`` and ``2.1.0`` are different ways to spell the
same release number, denoting the first subrelease of release 2. But ``2.10``
is the 10th subrelease of release 2, and so is a different and newer release
from ``2.1`` or ``2.1.0``. Leading zeros within a series of digits are also
ignored, so ``2.01`` is the same as ``2.1``, and different from ``2.0.1``.

Following a release number, you can have either a pre-release or post-release
tag. Pre-release tags make a version be considered older than the version
they are appended to. So, revision ``2.4`` is newer than revision ``2.4c1``,
which in turn is newer than ``2.4b1`` or ``2.4a1``. Postrelease tags make
a version be considered newer than the version they are appended to. So,
revisions like ``2.4-1`` and ``2.4pl3`` are newer than ``2.4``, but are older
than ``2.4.1`` (which has a higher release number).

A pre-release tag is a series of letters that are alphabetically before
``final``. Some examples of prerelease tags would include ``alpha``, ``beta``,
``a``, ``c``, ``dev``, and so on. You do not have to place a dot or dash
before the prerelease tag if it's immediately after a number, but it's okay to
do so if you prefer. Thus, ``2.4c1`` and ``2.4.1`` and ``2.4-c1`` all
represent release candidate 1 of version ``2.4``, and are treated as identical
by setuptools.

In addition, there are three special prerelease tags that are treated as if
they were the letter ``c``: ``pre``, ``preview``, and ``rc``. So, version
``2.4rc1``, ``2.4pre1`` and ``2.4preview1`` are all the exact same version as
``2.4c1``, and are treated as identical by setuptools.

A post-release tag is either a series of letters that are alphabetically
greater than or equal to "final", or a dash ('-'). Post-release tags are
generally used to separate patch numbers, port numbers, build numbers, revision
numbers, or date stamps from the release number. For example, the version
``2.4-r1263`` might denote Subversion revision 1263 of a post-release patch of
version ``2.4``. Or you might use ``2.4-20051127`` to denote a date-stamped
post-release.

Notice that after each pre or post-release tag, you are free to place another
release number, followed again by more pre- or post-release tags. For example,
``0.6a9.dev-r41745`` could denote Subversion revision 41745 of the in-
development version of the ninth alpha of release 0.6. Notice that ``dev`` is
a pre-release tag, so this version is a lower version number than ``0.6a9``,
which would be the actual ninth alpha of release 0.6. But the ``-r41745`` is
a post-release tag, so this version is newer than ``0.6a9.dev``.

For the most part, setuptools' interpretation of version numbers is intuitive,
but here are a few tips that will keep you out of trouble in the corner cases:
* Don't stick adjoining pre-release tags together without a dot or number between them. Version `1.9a.development` is the `adev` prerelease of `1.9`, not a development pre-release of `1.9a`. Use `dev` instead, as in `1.9.dev`, or separate the prerelease tags with a number, as in `1.9a0.dev`, `1.9a0.dev`, and even `1.9.a.dev` are identical versions from setuptools' point of view, so you can use whatever scheme you prefer.

* If you want to be certain that your chosen numbering scheme works the way you think it will, you can use the `pkg_resources.parse_version()` function to compare different version numbers:

```python
>>> from pkg_resources import parse_version
>>> parse_version('1.9.alpha.dev') == parse_version('1.9a0.dev')
True
>>> parse_version('2.1-rc2') < parse_version('2.1')
True
>>> parse_version('0.6a9.dev-r41475') < parse_version('0.6a9')
True
```

Once you've decided on a version numbering scheme for your project, you can have setuptools automatically tag your in-development releases with various pre- or post-release tags. See the following sections for more details:

* `Tagging and "Daily Build" or "Snapshot" Releases`_
* `Managing "Continuous Releases" Using Subversion`_
* The `egg_info`_ command

New and Changed `setup()` Keywords
====================================

The following keyword arguments to `setup()` are added or changed by setuptools. All of them are optional; you do not have to supply them unless you need the associated setuptools feature.

`include_package_data`
If set to `True`, this tells setuptools to automatically include any data files it finds inside your package directories that are specified by your `MANIFEST.in` file. For more information, see the section below on `Including Data Files`_

`exclude_package_data`
A dictionary mapping package names to lists of glob patterns that should be *excluded* from your package directories. You can use this to trim back any excess files included by `include_package_data`. For a complete description and examples, see the section below on `Including Data Files`_.

---

Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 58429
``package_data``
A dictionary mapping package names to lists of glob patterns. For a complete description and examples, see the section below on `Including Data Files`_. You do not need to use this option if you are using ``include_package_data``, unless you need to add e.g. files that are generated by your setup script and build process. (And are therefore not in source control or are files that you don't want to include in your source distribution.)

``zip_safe``
A boolean (True or False) flag specifying whether the project can be safely installed and run from a zip file. If this argument is not supplied, the `bdist_egg` command will have to analyze all of your project's contents for possible problems each time it builds an egg.

``install_requires``
A string or list of strings specifying what other distributions need to be installed when this one is. See the section below on `Declaring Dependencies`_ for details and examples of the format of this argument.

``entry_points``
A dictionary mapping entry point group names to strings or lists of strings defining the entry points. Entry points are used to support dynamic discovery of services or plugins provided by a project. See `Dynamic Discovery of Services and Plugins`_ for details and examples of the format of this argument. In addition, this keyword is used to support `Automatic Script Creation`_.

``extras_require``
A dictionary mapping names of "extras" (optional features of your project) to strings or lists of strings specifying what other distributions must be installed to support those features. See the section below on `Declaring Dependencies`_ for details and examples of the format of this argument.

``setup_requires``
A string or list of strings specifying what other distributions need to be present in order for the *setup script* to run. ``setuptools`` will attempt to obtain these (even going so far as to download them using `EasyInstall`) before processing the rest of the setup script or commands. This argument is needed if you are using distutils extensions as part of your build process; for example, extensions that process setup() arguments and turn them into EGG-INFO metadata files.

(Note: projects listed in `setup_requires` will NOT be automatically installed on the system where the setup script is being run. They are simply downloaded to the `.eggs` directory if they're not locally available already. If you want them to be installed, as well as being available when the setup script is run, you should add them to `install_requires`.)
**and** `setup_requires`.

dependency_links
A list of strings naming URLs to be searched when satisfying dependencies. These links will be used if needed to install packages specified by `setup_requires` or `tests_require`. They will also be written into the egg's metadata for use by tools like EasyInstall to use when installing an `.egg` file.

namespace_packages
A list of strings naming the project's "namespace packages". A namespace package is a package that may be split across multiple project distributions. For example, Zope 3's `zope` package is a namespace package, because subpackages like `zope.interface` and `zope.publisher` may be distributed separately. The egg runtime system can automatically merge such subpackages into a single parent package at runtime, as long as you declare them in each project that contains any subpackages of the namespace package, and as long as the namespace package's `__init__.py` does not contain any code other than a namespace declaration. See the section below on `Namespace Packages` for more information.

test_suite
A string naming a `unittest.TestCase` subclass (or a package or module containing one or more of them, or a method of such a subclass), or naming a function that can be called with no arguments and returns a `unittest.TestSuite`. If the named suite is a module, and the module has an `additional_tests()` function, it is called and the results are added to the tests to be run. If the named suite is a package, any submodules and subpackages are recursively added to the overall test suite.

Specifying this argument enables use of the `test` command to run the specified test suite, e.g. via `setup.py test`. See the section on the `test` command below for more details.

tests_require
If your project's tests need one or more additional packages besides those needed to install it, you can use this option to specify them. It should be a string or list of strings specifying what other distributions need to be present for the package's tests to run. When you run the `test` command, `setuptools` will attempt to obtain these (even going so far as to download them using `EasyInstall`). Note that these required projects will *not* be installed on the system where the tests are run, but only downloaded to the project's setup directory if they're not already installed locally.

.. _test_loader:
If you would like to use a different way of finding tests to run than what setuptools normally uses, you can specify a module name and class name in this argument. The named class must be instantiable with no arguments, and its instances must support the `loadTestsFromNames()` method as defined in the Python `unittest` module's `TestLoader` class. Setuptools will pass only one test "name" in the `names` argument: the value supplied for the `test_suite` argument. The loader you specify may interpret this string in any way it likes, as there are no restrictions on what may be contained in a `test_suite` string.

The module name and class name must be separated by a `:`. The default value of this argument is `"setuptools.command.test:ScanningLoader"`. If you want to use the default `unittest` behavior, you can specify `"unittest:TestLoader"` as your `test_loader` argument instead. This will prevent automatic scanning of submodules and subpackages.

The module and class you specify here may be contained in another package, as long as you use the `tests_require` option to ensure that the package containing the loader class is available when the `test` command is run.

`eager_resources`
A list of strings naming resources that should be extracted together, if any of them is needed, or if any C extensions included in the project are imported. This argument is only useful if the project will be installed as a zipfile, and there is a need to have all of the listed resources be extracted to the filesystem *as a unit*. Resources listed here should be `/`-separated paths, relative to the source root, so to list a resource `"foo.png"` in package `"bar.baz"`, you would include the string `"bar/baz/foo.png"` in this argument.

If you only need to obtain resources one at a time, or you don't have any C extensions that access other files in the project (such as data files or shared libraries), you probably do NOT need this argument and shouldn't mess with it. For more details on how this argument works, see the section below on `Automatic Resource Extraction`.

`use_2to3`
Convert the source code from Python 2 to Python 3 with 2to3 during the build process. See :doc:`python3` for more details.

`convert_2to3_doctests`
List of doctest source files that need to be converted with 2to3. See :doc:`python3` for more details.

`use_2to3_fixers`
A list of modules to search for additional fixers to be used during the 2to3 conversion. See :doc:`python3` for more details.
Using `find_packages()`

-------------------------

For simple projects, it's usually easy enough to manually add packages to the `packages` argument of `setup()`. However, for very large projects (Twisted, PEAK, Zope, Chandler, etc.), it can be a big burden to keep the package list updated. That's what `setuptools.find_packages()` is for.

`find_packages()` takes a source directory and two lists of package name patterns to exclude and include. If omitted, the source directory defaults to the same directory as the setup script. Some projects use a `src` or `lib` directory as the root of their source tree, and those projects would of course use `''src''` or `''lib''` as the first argument to `find_packages()`. (And such projects also need something like ``package_dir = {'': 'src'}`` in their `setup()` arguments, but that's just a normal distutils thing.)

Anyway, `find_packages()` walks the target directory, filtering by inclusion patterns, and finds Python packages (any directory). On Python 3.2 and earlier, packages are only recognized if they include an `__init__.py` file. Finally, inclusion patterns are applied to remove matching packages.

Inclusion and exclusion patterns are package names, optionally including wildcards. For example, `find_packages(exclude=['*.tests'])` will exclude all packages whose last name part is `tests`. Or, `find_packages(exclude=['*.tests', '*.tests.*'])` will also exclude any subpackages of packages named `tests`, but it still won't exclude a top-level `tests` package or the children thereof. In fact, if you really want no `tests` packages at all, you'll need something like this:

```
find_packages(exclude=['*.tests', '*.tests.*', 'tests.*', 'tests'])
```

in order to cover all the bases. Really, the exclusion patterns are intended to cover simpler use cases than this, like excluding a single, specified package and its subpackages.

Regardless of the parameters, the `find_packages()` function returns a list of package names suitable for use as the `packages` argument to `setup()`, and so is usually the easiest way to set that argument in your setup script. Especially since it frees you from having to remember to modify your setup script whenever your project grows additional top-level packages or subpackages.

Automatic Script Creation

================================
Packaging and installing scripts can be a bit awkward with the distutils. For one thing, there's no easy way to have a script's filename match local conventions on both Windows and POSIX platforms. For another, you often have to create a separate file just for the "main" script, when your actual "main" is a function in a module somewhere. And even in Python 2.4, using the `-m` option only works for actual `.py` files that aren't installed in a package.

``setuptools`` fixes all of these problems by automatically generating scripts for you with the correct extension, and on Windows it will even create an `.exe` file so that users don't have to change their `PATHEXT` settings. The way to use this feature is to define "entry points" in your setup script that indicate what function the generated script should import and run. For example, to create two console scripts called "foo" and "bar", and a GUI script called "baz", you might do something like this::

```python
setup(
    # other arguments here...
    entry_points=
    
    'console_scripts': [
    'foo = my_package.some_module:main_func',
    'bar = other_module:some_func',
    ],
    'gui_scripts': [
    'baz = my_package_gui:start_func',
    
    ]
)
```

When this project is installed on non-Windows platforms (using "setup.py install", "setup.py develop", or by using EasyInstall), a set of `foo`, `bar`, and `baz` scripts will be installed that import `main_func` and `some_func` from the specified modules. The functions you specify are called with no arguments, and their return value is passed to `sys.exit()`, so you can return an errorlevel or message to print to stderr.

On Windows, a set of `foo.exe`, `bar.exe`, and `baz.exe` launchers are created, alongside a set of `foo.py`, `bar.py`, and `baz.pyw` files. The `.exe` wrappers find and execute the right version of Python to run the `.py` or `.pyw` file.

You may define as many "console script" and "gui script" entry points as you like, and each one can optionally specify "extras" that it depends on, that will be added to `sys.path` when the script is run. For more information on "extras", see the section below on "Declaring Extras". For more information on "entry points" in general, see the section below on "Dynamic Discovery of Services and Plugins".
"Eggsecutable" Scripts
----------------------

Occasionally, there are situations where it's desirable to make an `.egg` file directly executable. You can do this by including an entry point such as the following:

```python
setup(
    # other arguments here...
    entry_points = {
        'setuptools.installation': [
            'eggsecutable = my_package.some_module:main_func',
        ]
    }
)
```

Any eggs built from the above setup script will include a short executable prelude that imports and calls `main_func()` from `my_package.some_module`. The prelude can be run on Unix-like platforms (including Mac and Linux) by invoking the egg with `/bin/sh`, or by enabling execute permissions on the `.egg` file. For the executable prelude to run, the appropriate version of Python must be available via the `PATH` environment variable, under its "long" name. That is, if the egg is built for Python 2.3, there must be a `python2.3` executable present in a directory on `PATH`.

This feature is primarily intended to support ez_setup the installation of setuptools itself on non-Windows platforms, but may also be useful for other projects as well.

IMPORTANT NOTE: Eggs with an "eggsecutable" header cannot be renamed, or invoked via symlinks. They *must* be invoked using their original filename, in order to ensure that, once running, `pkg_resources` will know what project and version is in use. The header script will check this and exit with an error if the `.egg` file has been renamed or is invoked via a symlink that changes its base name.

Declaring Dependencies
----------------------

``setuptools`` supports automatically installing dependencies when a package is installed, and including information about dependencies in Python Eggs (so that package management tools like EasyInstall can use the information).

``setuptools`` and `pkg_resources` use a common syntax for specifying a project's required dependencies. This syntax consists of a project's PyPI name, optionally followed by a comma-separated list of "extras" in square
brackets, optionally followed by a comma-separated list of version specifications. A version specifier is one of the operators """"<""", """">", """"<=""", """">=", """"==""", or """"!=", followed by a version identifier. Tokens may be separated by whitespace, but any whitespace or nonstandard characters within a project name or version identifier must be replaced with ""-"".

Version specifiers for a given project are internally sorted into ascending version order, and used to establish what ranges of versions are acceptable. Adjacent redundant conditions are also consolidated (e.g. ""``>1, >2``"" becomes ""``>1``"", and ""``<2, <3``"" becomes ""``<3``""). "``!=``"" versions are excised from the ranges they fall within. A project's version is then checked for membership in the resulting ranges. (Note that providing conflicting conditions for the same version (e.g. ""<2,>2"" or ""==2,!=2"")) is meaningless and may therefore produce bizarre results.)

Here are some example requirement specifiers:

```
docutils >= 0.3

# comment lines and \ continuations are allowed in requirement strings
BazSpam ==1.1, ==1.2, ==1.3, ==1.4, ==1.5, \
    ==1.6, ==1.7 # and so are line-end comments

PEAK[FastCGI, reST] >=0.5a4

setuptools==0.5a7
```

The simplest way to include requirement specifiers is to use the ``install_requires`` argument to ``setup()``. It takes a string or list of strings containing requirement specifiers. If you include more than one requirement in a string, each requirement must begin on a new line.

This has three effects:

1. When your project is installed, either by using EasyInstall, ``setup.py install```, or ``setup.py develop```, all of the dependencies not already installed will be located (via PyPI), downloaded, built (if necessary), and installed.

2. Any scripts in your project will be installed with wrappers that verify the availability of the specified dependencies at runtime, and ensure that the correct versions are added to ``sys.path`` (e.g. if multiple versions have been installed).

3. Python Egg distributions will include a metadata file listing the dependencies.

Note, by the way, that if you declare your dependencies in ``setup.py``, you do
*not* need to use the `require()` function in your scripts or modules, as long as you either install the project or use `setup.py develop` to do development work on it. (See "Development Mode" below for more details on using `setup.py develop`.)

Dependencies that aren't in PyPI

If your project depends on packages that aren't registered in PyPI, you may still be able to depend on them, as long as they are available for download as:

- an egg, in the standard distutils `sdist` format,
- a single `.py` file, or
- a VCS repository (Subversion, Mercurial, or Git).

You just need to add some URLs to the `dependency_links` argument to `setup()`.

The URLs must be either:

1. direct download URLs,
2. the URLs of web pages that contain direct download links, or
3. the repository's URL

In general, it's better to link to web pages, because it is usually less complex to update a web page than to release a new version of your project. You can also use a SourceForge `showfiles.php` link in the case where a package you depend on is distributed via SourceForge.

If you depend on a package that's distributed as a single `.py` file, you must include an `"#egg=project-version"` suffix to the URL, to give a project name and version number. (Be sure to escape any dashes in the name or version by replacing them with underscores.) EasyInstall will recognize this suffix and automatically create a trivial `setup.py` to wrap the single `.py` file as an egg.

In the case of a VCS checkout, you should also append `"#egg=project-version"` in order to identify for what package that checkout should be used. You can append `"@REV"` to the URL's path (before the fragment) to specify a revision. Additionally, you can also force the VCS being used by prepending the URL with a certain prefix. Currently available are:

- `svn+URL` for Subversion,
- `git+URL` for Git, and
- `hg+URL` for Mercurial
A more complete example would be:

```
vcs+proto://host/path@revision#egg=project-version```

Be careful with the version. It should match the one inside the project files. If you want to disregard the version, you have to omit it both in the ``requires`` and in the URL's fragment.

This will do a checkout (or a clone, in Git and Mercurial parlance) to a temporary folder and run ``setup.py bdist_egg``.

The ``dependency_links`` option takes the form of a list of URL strings. For example, the below will cause EasyInstall to search the specified page for eggs or source distributions, if the package's dependencies aren't already installed::

```
setup(  
    ...  
    dependency_links = [  
        "http://peak.telecommunity.com/snapshots/"  
    ],  
)
```

.. _Declaring Extras:

Declaring "Extras" (optional features with their own dependencies)
-----------------------------------------------------------------------------------

Sometimes a project has "recommended" dependencies, that are not required for all uses of the project. For example, a project might offer optional PDF output if ReportLab is installed, and reStructuredText support if docutils is installed. These optional features are called "extras", and setuptools allows you to define their requirements as well. In this way, other projects that require these optional features can force the additional requirements to be installed, by naming the desired extras in their ``install_requires``.

For example, let's say that Project A offers optional PDF and reST support::

```
setup(  
    name="Project-A",  
    ...  
    extras_require = {  
        'PDF': ["ReportLab>=1.2", "RXP"],  
        'reST': ["docutils>=0.3"],  
    }  
)
```
As you can see, the `extras_require` argument takes a dictionary mapping names of "extra" features, to strings or lists of strings describing those features' requirements. These requirements will *not* be automatically installed unless another package depends on them (directly or indirectly) by including the desired "extras" in square brackets after the associated project name. (Or if the extras were listed in a requirement spec on the EasyInstall command line.)

Extras can be used by a project's `entry points` to specify dynamic dependencies. For example, if Project A includes a "rst2pdf" script, it might declare it like this, so that the "PDF" requirements are only resolved if the "rst2pdf" script is run::

```python
setup(
    name="Project-A",
    ...
    entry_points = {
        'console_scripts': [
            'rst2pdf = project_a.tools.pdfgen [PDF],
            'rst2html = project_a.tools.htmlgen',
            # more script entry points ...
        ],
    }
)
```

Projects can also use another project's extras when specifying dependencies. For example, if project B needs "project A" with PDF support installed, it might declare the dependency like this::

```python
setup(
    name="Project-B",
    install_requires = ['Project-A[PDF]'],
    ...
)
```

This will cause ReportLab to be installed along with project A, if project B is installed -- even if project A was already installed. In this way, a project can encapsulate groups of optional "downstream dependencies" under a feature name, so that packages that depend on it don't have to know what the downstream dependencies are. If a later version of Project A builds in PDF support and no longer needs ReportLab, or if it ends up needing other dependencies besides ReportLab in order to provide PDF support, Project B's setup information does not need to change, but the right packages will still be installed if needed.

Note, by the way, that if a project ends up not needing any other packages to support a feature, it should keep an empty requirements list for that feature in its `extras_require` argument, so that packages depending on that feature...
don't break (due to an invalid feature name). For example, if Project A above builds in PDF support and no longer needs ReportLab, it could change its setup to this:

```python
setup(
    name="Project-A",
    ...
    extras_require = {
        'PDF': [],
        'reST': ['docutils>=0.3'],
    }
)
```

so that Package B doesn't have to remove the `"[PDF]"` from its requirement specifier.

Including Data Files
---------------------

The distutils have traditionally allowed installation of “data files”, which are placed in a platform-specific location. However, the most common use case for data files distributed with a package is for use *by* the package, usually by including the data files in the package directory.

Setuptools offers three ways to specify data files to be included in your packages. First, you can simply use the `"include_package_data"` keyword, e.g.:

```python
from setuptools import setup, find_packages
setup(
    ...
    include_package_data = True
)
```

This tells setuptools to install any data files it finds in your packages. The data files must be specified via the distutils' `"MANIFEST.in"` file. (They can also be tracked by a revision control system, using an appropriate plugin. See the section below on `Adding Support for Revision Control Systems` for information on how to write such plugins.)

If you want finer-grained control over what files are included (for example, if you have documentation files in your package directories and want to exclude them from installation), then you can also use the `"package_data"` keyword, e.g.:

```python
from setuptools import setup, find_packages
setup(
    ...
    package_data = [
        ...
    ]
)
```
package_data = {
    # If any package contains *.txt or *.rst files, include them:
    ": ["*.txt", "*.rst"],
    # And include any *.msg files found in the 'hello' package, too:
    'hello': ["*.msg"],
}
)

The ``package_data`` argument is a dictionary that maps from package names to lists of glob patterns. The globs may include subdirectory names, if the data files are contained in a subdirectory of the package. For example, if the package tree looks like this::

```
setup.py

src/
    mypkg/
        __init__.py
        mypkg.txt
    data/
        somefile.dat
        otherdata.dat
```

The setuptools setup file might look like this::

```
from setuptools import setup, find_packages

setup(
...
    packages = find_packages('src'), # include all packages under src
    package_dir = {'': 'src'}, # tell distutils packages are under src

    package_data = {
        # If any package contains *.txt files, include them:
        ": ["*.txt"],
        # And include any *.dat files found in the 'data' subdirectory
        # of the 'mypkg' package, also:
        'mypkg': ["data/*.dat"],
    }
)
```

Notice that if you list patterns in ```package_data``` under the empty string, these patterns are used to find files in every package, even ones that also have their own patterns listed. Thus, in the above example, the ```mypkg.txt``` file gets included even though it's not listed in the patterns for ```mypkg```.

Also notice that if you use paths, you *must* use a forward slash (`"/"`) as the path separator, even if you are on Windows. Setuptools automatically converts slashes to appropriate platform-specific separators at build time.
Sometimes, the `include_package_data` or `package_data` options alone aren't sufficient to precisely define what files you want included. For example, you may want to include package README files in your revision control system and source distributions, but exclude them from being installed. So, setuptools offers an `exclude_package_data` option as well, that allows you to do things like this:

```python
from setuptools import setup, find_packages
setup(
    ...
    packages = find_packages('src'),  # include all packages under src
    package_dir = {'':'src'},   # tell distutils packages are under src
    include_package_data = True,    # include everything in source control
    ...
    # ...but exclude README.txt from all packages
    exclude_package_data = { '':['README.txt'] },
)
```

The `exclude_package_data` option is a dictionary mapping package names to lists of wildcard patterns, just like the `package_data` option. And, just as with that option, a key of `''` will apply the given pattern(s) to all packages. However, any files that match these patterns will be *excluded* from installation, even if they were listed in `package_data` or were included as a result of using `include_package_data`.

In summary, the three options allow you to:

```
``include_package_data``
Accept all data files and directories matched by `MANIFEST.in`.

``package_data``
Specify additional patterns to match files and directories that may or may not be matched by `MANIFEST.in` or found in source control.

``exclude_package_data``
Specify patterns for data files and directories that should *not* be included when a package is installed, even if they would otherwise have
```

(Note: although the `package_data` argument was previously only available in `setuptools`, it was also added to the Python `distutils` package as of Python 2.4; there is some documentation for the feature available on the python.org website. If using the setuptools-specific `include_package_data` argument, files specified by `package_data` will *not* be automatically added to the manifest unless they are listed in the MANIFEST.in file.)

__http://docs.python.org/dist/node11.html
been included due to the use of the preceding options.

NOTE: Due to the way the distutils build process works, a data file that you include in your project and then stop including may be "orphaned" in your project's build directories, requiring you to run ```setup.py clean --all``` to fully remove them. This may also be important for your users and contributors if they track intermediate revisions of your project using Subversion; be sure to let them know when you make changes that remove files from inclusion so they can run ```setup.py clean --all```.

Accessing Data Files at Runtime
---------------------------------

Typically, existing programs manipulate a package's ```__file__``` attribute in order to find the location of data files. However, this manipulation isn't compatible with PEP 302-based import hooks, including importing from zip files and Python Eggs. It is strongly recommended that, if you are using data files, you should use the `Resource Management API` of ```pkg_resources``` to access them. The ```pkg_resources``` module is distributed as part of setuptools, so if you're using setuptools to distribute your package, there is no reason not to use its resource management API. See also `Accessing Package Resources` for a quick example of converting code that uses ```__file__``` to use ```pkg_resources``` instead.

.. _Resource Management API: http://peak.telecommunity.com/DevCenter/PythonEggs#resource-management
.. _Accessing Package Resources: http://peak.telecommunity.com/DevCenter/PythonEggs#accessing-package-resources

Non-Package Data Files
----------------------

The ```distutils``` normally install general "data files" to a platform-specific location (e.g. ```/usr/share```). This feature intended to be used for things like documentation, example configuration files, and the like. ```setuptools``` does not install these data files in a separate location, however. They are bundled inside the egg file or directory, alongside the Python modules and packages. The data files can also be accessed using the `Resource Management API` by specifying a ```Requirement``` instead of a package name::

```python
from pkg_resources import Requirement, resource_filename
filename = resource_filename(Requirement.parse("MyProject"),"sample.conf")
```

The above code will obtain the filename of the "sample.conf" file in the data root of the "MyProject" distribution.

Note, by the way, that this encapsulation of data files means that you can't
actually install data files to some arbitrary location on a user's machine; this is a feature, not a bug. You can always include a script in your distribution that extracts and copies your documentation or data files to a user-specified location, at their discretion. If you put related data files in a single directory, you can use ``resource_filename()`` with the directory name to get a filesystem directory that then can be copied with the ``shutil`` module. (Even if your package is installed as a zipfile, calling ``resource_filename()`` on a directory will return an actual filesystem directory, whose contents will be that entire subtree of your distribution.)

(Of course, if you're writing a new package, you can just as easily place your data files or directories inside one of your packages, rather than using the distutils' approach. However, if you're updating an existing application, it may be simpler not to change the way it currently specifies these data files.)

### Automatic Resource Extraction

If you are using tools that expect your resources to be "real" files, or your project includes non-extension native libraries or other files that your C extensions expect to be able to access, you may need to list those files in the `eager_resources` argument to `setup()`, so that the files will be extracted together, whenever a C extension in the project is imported.

This is especially important if your project includes shared libraries *other* than distutils-built C extensions, and those shared libraries use file extensions other than `.dll`, `.so`, or `.dylib`, which are the extensions that setuptools 0.6a8 and higher automatically detects as shared libraries and adds to the `native_libs.txt` file for you. Any shared libraries whose names do not end with one of those extensions should be listed as `eager_resources`, because they need to be present in the filesystem when he C extensions that link to them are used.

The `pkg_resources` runtime for compressed packages will automatically extract *all* C extensions and `eager_resources` at the same time, whenever *any* C extension or eager resource is requested via the `resource_filename()` API. (C extensions are imported using `resource_filename()` internally.) This ensures that C extensions will see all of the "real" files that they expect to see.

Note also that you can list directory resource names in `eager_resources` as well, in which case the directory's contents (including subdirectories) will be extracted whenever any C extension or eager resource is requested.

Please note that if you're not sure whether you need to use this argument, you don't! It's really intended to support projects with lots of non-Python dependencies and as a last resort for crufty projects that can't otherwise...
handle being compressed. If your package is pure Python, Python plus data files, or Python plus C, you really don't need this. You've got to be using either C or an external program that needs "real" files in your project before there's any possibility of `eager_resources` being relevant to your project.

Extensible Applications and Frameworks
=====================================

.. _Entry Points:

Dynamic Discovery of Services and Plugins
-----------------------------------------

``setuptools`` supports creating libraries that "plug in" to extensible applications and frameworks, by letting you register "entry points" in your project that can be imported by the application or framework.

For example, suppose that a blogging tool wants to support plugins that provide translation for various file types to the blog's output format. The framework might define an "entry point group" called `blogtool.parsers`, and then allow plugins to register entry points for the file extensions they support.

This would allow people to create distributions that contain one or more parsers for different file types, and then the blogging tool would be able to find the parsers at runtime by looking up an entry point for the file extension (or mime type, or however it wants to).

Note that if the blogging tool includes parsers for certain file formats, it can register these as entry points in its own setup script, which means it doesn't have to special-case its built-in formats. They can just be treated the same as any other plugin's entry points would be.

If you're creating a project that plugs in to an existing application or framework, you'll need to know what entry points or entry point groups are defined by that application or framework. Then, you can register entry points in your setup script. Here are a few examples of ways you might register an `*.rst` file parser entry point in the `blogtool.parsers` entry point group, for our hypothetical blogging tool::

```python
setup(
    # ...
    entry_points = {'blogtool.parsers': 'rst = some_module:SomeClass'}
)
```

setup(
entry_points = {'blogtool.parsers': ['.rst = some_module:a_func']}
)

setup(
    entry_points = ""
    [blogtool.parsers]
        .rst = some.nested.module:SomeClass.some_classmethod [reST]
    """,
    extras_require = dict(reST = "Docutils>=0.3.5")
)

The `entry_points` argument to `setup()` accepts either a string with 
.ini-style sections, or a dictionary mapping entry point group names to 
either strings or lists of strings containing entry point specifiers. An 
entry point specifier consists of a name and value, separated by an `=` sign. 
The value consists of a dotted module name, optionally followed by a 
`:` and a dotted identifier naming an object within the module. It can 
also include a bracketed list of "extras" that are required for the entry 
point to be used. When the invoking application or framework requests loading 
of an entry point, any requirements implied by the associated extras will be 
passed to `pkg_resources.require()`, so that an appropriate error message 
can be displayed if the needed package(s) are missing. (Of course, the 
invoking app or framework can ignore such errors if it wants to make an entry 
point optional if a requirement isn't installed.)

Defining Additional Metadata
----------------------------

Some extensible applications and frameworks may need to define their own kinds 
of metadata to include in eggs, which they can then access using the 
`pkg_resources` metadata APIs. Ordinarily, this is done by having plugin 
developers include additional files in their `ProjectName.egg-info` 
directory. However, since it can be tedious to create such files by hand, you 
may want to create a distutils extension that will create the necessary files 
from arguments to `setup()`, in much the same way that `setuptools` does 
for many of the `setup()` arguments it adds. See the section below on 
`Creating distutils Extensions` for more details, especially the subsection on 
`Adding new EGG-INFO Files`.

"Development Mode"

Under normal circumstances, the `distutils` assume that you are going to 
build a distribution of your project, not use it in its "raw" or "unbuilt"
form. If you were to use the `distutils` that way, you would have to rebuild and reinstall your project every time you made a change to it during development.

Another problem that sometimes comes up with the `distutils` is that you may need to do development on two related projects at the same time. You may need to put both projects' packages in the same directory to run them, but need to keep them separate for revision control purposes. How can you do this?

Setuptools allows you to deploy your projects for use in a common directory or staging area, but without copying any files. Thus, you can edit each project's code in its checkout directory, and only need to run build commands when you change a project's C extensions or similarly compiled files. You can even deploy a project into another project's checkout directory, if that's your preferred way of working (as opposed to using a common independent staging area or the site-packages directory).

To do this, use the `setup.py develop` command. It works very similarly to `setup.py install` or the EasyInstall tool, except that it doesn't actually install anything. Instead, it creates a special `.egg-link` file in the deployment directory, that links to your project's source code. And, if your deployment directory is Python's `site-packages` directory, it will also update the `easy-install.pth` file to include your project's source code, thereby making it available on `sys.path` for all programs using that Python installation.

If you have enabled the `use_2to3` flag, then of course the `.egg-link` will not link directly to your source code when run under Python 3, since that source code would be made for Python 2 and not work under Python 3. Instead the `setup.py develop` will build Python 3 code under the `build` directory, and link there. This means that after doing code changes you will have to run `setup.py build` before these changes are picked up by your Python 3 installation.

In addition, the `develop` command creates wrapper scripts in the target script directory that will run your in-development scripts after ensuring that all your `install_requires` packages are available on `sys.path`.

You can deploy the same project to multiple staging areas, e.g. if you have multiple projects on the same machine that are sharing the same project you're doing development work.

When you're done with a given development task, you can remove the project source from a staging area using `setup.py develop --uninstall`, specifying the desired staging area if it's not the default.

There are several options to control the precise behavior of the `develop` command; see the section on the `develop` command below for more details.
Note that you can also apply setuptools commands to non-setuptools projects, using commands like this:

    python -c "import setuptools; execfile('setup.py')" develop

That is, you can simply list the normal setup commands and options following the quoted part.

Distributing a `setuptools`-based project
===========================================

Using `setuptools`... Without bundling it!
---------------------------------------------

Your users might not have `setuptools` installed on their machines, or even if they do, it might not be the right version. Fixing this is easy; just download `ez_setup.py`, and put it in the same directory as your `setup.py` script. (Be sure to add it to your revision control system, too.) Then add these two lines to the very top of your setup script, before the script imports anything from setuptools:

.. code-block:: python

   import ez_setup
   ez_setup.use_setuptools()

That's it. The `ez_setup` module will automatically download a matching version of `setuptools` from PyPI, if it isn't present on the target system. Whenever you install an updated version of setuptools, you should also update your projects' `ez_setup.py` files, so that a matching version gets installed on the target machine(s).

By the way, setuptools supports the new PyPI "upload" command, so you can use `setup.py sdist upload` or `setup.py bdist_egg upload` to upload your source or egg distributions respectively. Your project's current version must be registered with PyPI first, of course; you can use `setup.py register` to do that. Or you can do it all in one step, e.g. `setup.py register sdist bdist_egg upload` will register the package, build source and egg distributions, and then upload them both to PyPI, where they'll be easily found by other projects that depend on them.

(By the way, if you need to distribute a specific version of `setuptools`, you can specify the exact version and base download URL as parameters to the `use_setuptools()` function. See the function's docstring for details.)
What Your Users Should Know

---------------------------

In general, a setuptools-based project looks just like any distutils-based project -- as long as your users have an internet connection and are installing to `site-packages`, that is. But for some users, these conditions don't apply, and they may become frustrated if this is their first encounter with a setuptools-based project. To keep these users happy, you should review the following topics in your project's installation instructions, if they are relevant to your project and your target audience isn't already familiar with setuptools and `easy_install`.

Network Access

If your project is using `ez_setup`, you should inform users of the need to either have network access, or to preinstall the correct version of setuptools using the EasyInstall installation instructions. Those instructions also have tips for dealing with firewalls as well as how to manually download and install setuptools.

Custom Installation Locations

You should inform your users that if they are installing your project to somewhere other than the main `site-packages` directory, they should first install setuptools using the instructions for `Custom Installation Locations`, before installing your project.

Your Project's Dependencies

If your project depends on other projects that may need to be downloaded from PyPI or elsewhere, you should list them in your installation instructions, or tell users how to find out what they are. While most users will not need this information, any users who don’t have unrestricted internet access may have to find, download, and install the other projects manually. (Note, however, that they must still install those projects using `easy_install`, or your project will not know they are installed, and your setup script will try to download them again.)

If you want to be especially friendly to users with limited network access, you may wish to build eggs for your project and its dependencies, making them all available for download from your site, or at least create a page with links to all of the needed eggs. In this way, users with limited network access can manually download all the eggs to a single directory, then use the `-f` option of `easy_install` to specify the directory to find eggs in. Users who have full network access can just use `-f` with the URL of your download page, and `easy_install` will find all the needed eggs using your links directly. This is also useful when your target audience isn’t able to compile packages (e.g. most Windows users) and your package or some of its dependencies include C code.

Revision Control System Users and Co-Developers
Users and co-developers who are tracking your in-development code using a revision control system should probably read this manual's sections regarding such development. Alternately, you may wish to create a quick-reference guide containing the tips from this manual that apply to your particular situation. For example, if you recommend that people use "setup.py develop" when tracking your in-development code, you should let them know that this needs to be run after every update or commit.

Similarly, if you remove modules or data files from your project, you should remind them to run "setup.py clean --all" and delete any obsolete ".pyc" or ".pyo". (This tip applies to the distutils in general, not just setuptools, but not everybody knows about them; be kind to your users by spelling out your project's best practices rather than leaving them guessing.)

Creating System Packages

Some users want to manage all Python packages using a single package manager, and sometimes that package manager isn't "easy_install"!

Setup tools currently supports "bdist_rpm", "bdist_wininst", and "bdist_dumb" formats for system packaging. If a user has a locally-installed "bdist" packaging tool that internally uses the distutils "install" command, it should be able to work with "setuptools". Some examples of "bdist" formats that this should work with include the "bdist_nsi" and "bdist_msi" formats for Windows.

However, packaging tools that build binary distributions by running "setup.py install" on the command line or as a subprocess will require modification to work with setuptools. They should use the "--single-version-externally-managed" option to the "install" command, combined with the standard "--root" or "--record" options.

See the `install command` documentation below for more details. The "bdist_deb" command is an example of a command that currently requires this kind of patching to work with setuptools.

If you or your users have a problem building a usable system package for your project, please report the problem via the mailing list so that either the "bdist" tool in question or setuptools can be modified to resolve the issue.

Setting the "zip_safe" flag

For some use cases (such as bundling as part of a larger application), Python packages may be run directly from a zip file. Not all packages, however, are capable of running in compressed form, because they may expect to be able to access either source code or data files as normal operating system files. So, "setuptools" can install your project
as a zipfile or a directory, and its default choice is determined by the project's ``zip_safe`` flag.

You can pass a True or False value for the ``zip_safe`` argument to the `setup()` function, or you can omit it. If you omit it, the ``bdist_egg`` command will analyze your project's contents to see if it can detect any conditions that would prevent it from working in a zipfile. It will output notices to the console about any such conditions that it finds.

Currently, this analysis is extremely conservative: it will consider the project unsafe if it contains any C extensions or datafiles whatsoever. This does *not* mean that the project can't or won't work as a zipfile! It just means that the ``bdist_egg`` authors aren't yet comfortable asserting that the project *will* work. If the project contains no C or data files, and does no ``__file__`` or ``__path__`` introspection or source code manipulation, then there is an extremely solid chance the project will work when installed as a zipfile. (And if the project uses ``pkg_resources`` for all its data file access, then C extensions and other data files shouldn't be a problem at all. See the `Accessing Data Files at Runtime` section above for more information.)

However, if ``bdist_egg`` can't be *sure* that your package will work, but you've checked over all the warnings it issued, and you are either satisfied it *will* work (or if you want to try it for yourself), then you should set ``zip_safe`` to ``True`` in your `setup()` call. If it turns out that it doesn't work, you can always change it to ``False``, which will force `setup tools` to install your project as a directory rather than as a zipfile.

Of course, the end-user can still override either decision, if they are using EasyInstall to install your package. And, if you want to override for testing purposes, you can just run ``setup.py easy_install --zip-ok .`` or ``setup.py easy_install --always-unzip .`` in your project directory. to install the package as a zipfile or directory, respectively.

In the future, as we gain more experience with different packages and become more satisfied with the robustness of the ``pkg_resources`` runtime, the "zip safety" analysis may become less conservative. However, we strongly recommend that you determine for yourself whether your project functions correctly when installed as a zipfile, correct any problems if you can, and then make an explicit declaration of ``True`` or ``False`` for the ``zip_safe`` flag, so that it will not be necessary for ``bdist_egg`` or ``EasyInstall`` to try to guess whether your project can work as a zipfile.

Namespaces Packages
--------------------

Sometimes, a large package is more useful if distributed as a collection of smaller eggs. However, Python does not normally allow the contents of a
package to be retrieved from more than one location. "Namespace packages" are a solution for this problem. When you declare a package to be a namespace package, it means that the package has no meaningful contents in its ``__init__.py``, and that it is merely a container for modules and subpackages.

The ``pkg_resources`` runtime will then automatically ensure that the contents of namespace packages that are spread over multiple eggs or directories are combined into a single "virtual" package.

The ``namespace_packages`` argument to `setup()` lets you declare your project's namespace packages, so that they will be included in your project's metadata. The argument should list the namespace packages that the egg participates in. For example, the ZopeInterface project might do this:

```python
setup(
    # ...
    namespace_packages = ['zope']
)
```

because it contains a ``zope.interface`` package that lives in the ``zope`` namespace package. Similarly, a project for a standalone ``zope.publisher`` would also declare the ``zope`` namespace package. When these projects are installed and used, Python will see them both as part of a "virtual" ``zope`` package, even though they will be installed in different locations.

Namespace packages don't have to be top-level packages. For example, Zope 3's ``zope.app`` package is a namespace package, and in the future PEAK's ``peak.util`` package will be too.

Note, by the way, that your project's source tree must include the namespace packages' ``__init__.py`` files (and the ``__init__.py`` of any parent packages), in a normal Python package layout. These ``__init__.py`` files *must* contain the line:

```python
__import__('pkg_resources').declare_namespace(__name__)
```

This code ensures that the namespace package machinery is operating and that the current package is registered as a namespace package.

You must NOT include any other code and data in a namespace package's ``__init__.py``. Even though it may appear to work during development, or when projects are installed as ``.egg`` files, it will not work when the projects are installed using "system" packaging tools -- in such cases the ``__init__.py`` files will not be installed, let alone executed.

You must include the ``declare_namespace()`` line in the ``__init__.py`` of *every* project that has contents for the namespace package in question, in order to ensure that the namespace will be declared regardless of which
project's copy of ``__init__.py`` is loaded first. If the first loaded
``__init__.py`` doesn't declare it, it will never *be* declared, because no
other copies will ever be loaded!

TRANSITIONAL NOTE
~~~~~~~~~~~~~~~~~~

Setuptools automatically calls ``declare_namespace()`` for you at runtime,
but future versions may *not*. This is because the automatic declaration
feature has some negative side effects, such as needing to import all namespace
packages during the initialization of the ``pkg_resources`` runtime, and also
the need for ``pkg_resources`` to be explicitly imported before any namespace
packages work at all. In some future releases, you'll be responsible
for including your own declaration lines, and the automatic declaration feature
will be dropped to get rid of the negative side effects.

During the remainder of the current development cycle, therefore, setuptools
will warn you about missing ``declare_namespace()`` calls in your
``__init__.py`` files, and you should correct these as soon as possible
before the compatibility support is removed.

Namespace packages without declaration lines will not work
correctly once a user has upgraded to a later version, so it's important that
you make this change now in order to avoid having your code break in the field.
Our apologies for the inconvenience, and thank you for your patience.

Tagging and "Daily Build" or "Snapshot" Releases
-------------------------------------------------

When a set of related projects are under development, it may be important to
track finer-grained version increments than you would normally use for e.g.
"stable" releases. While stable releases might be measured in dotted numbers
with alpha/beta/etc. status codes, development versions of a project often
need to be tracked by revision or build number or even build date. This is
especially true when projects in development need to refer to one another, and
therefore may literally need an up-to-the-minute version of something!

To support these scenarios, ``setuptools`` allows you to "tag" your source and
egg distributions by adding one or more of the following to the project's
"official" version identifier:

* A manually-specified pre-release tag, such as "build" or "dev", or a
  manually-specified post-release tag, such as a build or revision number
  (``--tag-build=STRING, -bSTRING``)

* A "last-modified revision number" string generated automatically from
Subversion's metadata (assuming your project is being built from a Subversion "working copy") (``--tag-svn-revision, -r``)

* An 8-character representation of the build date (``--tag-date, -d``), as a postrelease tag

You can add these tags by adding ```egg_info```` and the desired options to the command line ahead of the ```sdist```` or ```bdist```` commands that you want to generate a daily build or snapshot for. See the section below on the `egg_info`_ command for more details.

(Also, before you release your project, be sure to see the section above on `Specifying Your Project's Version`_ for more information about how pre- and post-release tags affect how setuptools and EasyInstall interpret version numbers. This is important in order to make sure that dependency processing tools will know which versions of your project are newer than others.)

Finally, if you are creating builds frequently, and either building them in a downloadable location or are copying them to a distribution server, you should probably also check out the `rotate`_ command, which lets you automatically delete all but the N most-recently-modified distributions matching a glob pattern. So, you can use a command line like::

    setup.py egg_info -rbDEV bdist_egg rotate -m.egg -k3

to build an egg whose version info includes 'DEV-rNNNN' (where NNNN is the most recent Subversion revision that affected the source tree), and then delete any egg files from the distribution directory except for the three that were built most recently.

If you have to manage automated builds for multiple packages, each with different tagging and rotation policies, you may also want to check out the `alias`_ command, which would let each package define an alias like `daily` that would perform the necessary tag, build, and rotate commands. Then, a simpler script or cron job could just run `setup.py daily` in each project directory. (And, you could also define sitewide or per-user default versions of the `daily` alias, so that projects that didn't define their own would use the appropriate defaults.)

Generating Source Distributions
-----------------------------

``setuptools`` enhances the distutils' default algorithm for source file selection with pluggable endpoints for looking up files to include. If you are using a revision control system, and your source distributions only need to include files that you're tracking in revision control, use a corresponding plugin instead of writing a ``MANIFEST.in`` file. See the section below on
Adding Support for Revision Control Systems

If you need to include automatically generated files, or files that are kept in an unsupported revision control system, you'll need to create a `MANIFEST.in` file to specify any files that the default file location algorithm doesn't catch. See the distutils documentation for more information on the format of the `MANIFEST.in` file.

But, be sure to ignore any part of the distutils documentation that deals with `MANIFEST` or how it's generated from `MANIFEST.in`; setuptools shields you from these issues and doesn't work the same way in any case. Unlike the distutils, setuptools regenerates the source distribution manifest file every time you build a source distribution, and it builds it inside the project's `.egg-info` directory, out of the way of your main project directory. You therefore need not worry about whether it is up-to-date or not.

Indeed, because setuptools' approach to determining the contents of a source distribution is so much simpler, its `sdist` command omits nearly all of the options that the distutils' more complex `sdist` process requires. For all practical purposes, you'll probably use only the `--formats` option, if you use any option at all.

Making your package available for EasyInstall
---------------------------------------------

If you use the `register` command (`setup.py register`) to register your package with PyPI, that's most of the battle right there. (See the docs for the register command for more details.)

If you also use the `upload` command to upload actual distributions of your package, that's even better, because EasyInstall will be able to find and download them directly from your project's PyPI page.

However, there may be reasons why you don't want to upload distributions to PyPI, and just want your existing distributions (or perhaps a Subversion checkout) to be used instead.

So here's what you need to do before running the `register` command. There are three `setup()` arguments that affect EasyInstall:

`url` and `download_url`
These become links on your project's PyPI page. EasyInstall will examine them to see if they link to a package ("primary links"), or whether they are HTML pages. If they're HTML pages, EasyInstall scans all HREF's on the page for primary links.
EasyInstall will check any URLs contained in this argument to see if they are primary links.

A URL is considered a "primary link" if it is a link to a .tar.gz, .tgz, .zip, .egg, .egg.zip, .tar.bz2, or .exe file, or if it has an `#egg=project` or `#egg=project-version` fragment identifier attached to it. EasyInstall attempts to determine a project name and optional version number from the text of a primary link *without* downloading it. When it has found all the primary links, EasyInstall will select the best match based on requested version, platform compatibility, and other criteria.

So, if your `url` or `download_url` point either directly to a downloadable source distribution, or to HTML page(s) that have direct links to such, then EasyInstall will be able to locate downloads automatically. If you want to make Subversion checkouts available, then you should create links with either `#egg=project` or `#egg=project-version` added to the URL. You should replace `project` and `version` with the values they would have in an egg filename. (Be sure to actually generate an egg and then use the initial part of the filename, rather than trying to guess what the escaped form of the project name and version number will be.)

Note that Subversion checkout links are of lower precedence than other kinds of distributions, so EasyInstall will not select a Subversion checkout for downloading unless it has a version included in the `#egg=` suffix, and it's a higher version than EasyInstall has seen in any other links for your project.

As a result, it's a common practice to use mark checkout URLs with a version of "dev" (i.e., `#egg=project-name-dev`), so that users can do something like this:

```
easy_install --editable projectname==dev
```

in order to check out the in-development version of `projectname`.

Managing "Continuous Releases" Using Subversion

If you expect your users to track in-development versions of your project via Subversion, there are a few additional steps you should take to ensure that things work smoothly with EasyInstall. First, you should add the following to your project's `setup.cfg` file:

```ini
.. code-block:: ini
```

---
[egg_info]
tag_build = .dev
tag_svn_revision = 1

This will tell ``setuptools`` to generate package version numbers like````1.0a1.dev-r1263```, which will be considered to be an *older* release than````1.0a1```. Thus, when you actually release ````1.0a1```, the entire egg
infrastructure (including ``setuptools``, ``pkg_resources`` and EasyInstall)
will know that ````1.0a1``` supersedes any interim snapshots from Subversion, and
handle upgrades accordingly.

(Note: the project version number you specify in ``setup.py`` should always be
the *next* version of your software, not the last released version.

Alternately, you can leave out the ````tag_build=.dev```, and always use the
*last* release as a version number, so that your post-1.0 builds are labelled
````1.0-r1263```, indicating a post-1.0 patchlevel. Most projects so far,
however, seem to prefer to think of their project as being a future version
still under development, rather than a past version being patched. It is of
course possible for a single project to have both situations, using
post-release numbering on release branches, and pre-release numbering on the
trunk. But you don't have to make things this complex if you don't want to.)

Commonly, projects releasing code from Subversion will include a PyPI link to
their checkout URL (as described in the previous section) with an
````#egg=projectname-dev``` suffix. This allows users to request EasyInstall
to download ````projectname==dev``` in order to get the latest in-development
code. Note that if your project depends on such in-progress code, you may wish
to specify your ````install_requires``` (or other requirements) to include
````==dev```, e.g.:

.. code-block:: python

    install_requires = ["OtherProject>=0.2a1.dev-r143,==dev"]

The above example says, "I really want at least this particular development
revision number, but feel free to follow and use an ````#egg=OtherProject-dev``
link if you find one". This avoids the need to have actual source or binary
distribution snapshots of in-development code available, just to be able to
depend on the latest and greatest a project has to offer.

A final note for Subversion development: if you are using SVN revision tags
as described in this section, it's a good idea to run ````setup.py develop```
after each Subversion checkin or update, because your project's version number
will be changing, and your script wrappers need to be updated accordingly.

Also, if the project's requirements have changed, the ````develop``` command will
take care of fetching the updated dependencies, building changed extensions,
etc. Be sure to also remind any of your users who check out your project
Making "Official" (Non-Snapshot) Releases
~~~~~~~~~~~~~~~~~~~~~~~~~~~~

When you make an official release, creating source or binary distributions, you will need to override the tag settings from `setup.cfg`, so that you don't end up registering versions like `foobar-0.7a1.dev-r34832`. This is easy to do if you are developing on the trunk and using tags or branches for your releases - just make the change to `setup.cfg` after branching or tagging the release, so the trunk will still produce development snapshots.

Alternately, if you are not branching for releases, you can override the default version options on the command line, using something like:

```
python setup.py egg_info -RDb "" sdist bdist_egg register upload
```

The first part of this command (`"egg_info -RDb ""`) will override the configured tag information, before creating source and binary eggs, registering the project with PyPI, and uploading the files. Thus, these commands will use the plain version from your `setup.py`, without adding the Subversion revision number or build designation string.

Of course, if you will be doing this a lot, you may wish to create a personal alias for this operation, e.g.::

```
python setup.py alias -u release egg_info -RDb ""
```

You can then use it like this::

```
python setup.py release sdist bdist_egg register upload
```

Or of course you can create more elaborate aliases that do all of the above. See the sections below on the `egg_info` and `alias` commands for more ideas.

Distributing Extensions compiled with Pyrex
-------------------------------------------

``setuptools`` includes transparent support for building Pyrex extensions, as long as you define your extensions using `setuptools.Extension`, *not* `distutils.Extension`. You must also not import anything from Pyrex in your setup script.

If you follow these rules, you can safely list `*.pyx` files as the source
of your "Extension" objects in the setup script. "setuptools" will detect at build time whether Pyrex is installed or not. If it is, then "setuptools" will use it. If not, then "setuptools" will silently change the "Extension" objects to refer to the "c" counterparts of the "pyx" files, so that the normal distutils C compilation process will occur.

Of course, for this to work, your source distributions must include the C code generated by Pyrex, as well as your original "pyx" files. This means that you will probably want to include current "c" files in your revision control system, rebuilding them whenever you check changes in for the "pyx" source files. This will ensure that people tracking your project in a revision control system will be able to build it even if they don't have Pyrex installed, and that your source releases will be similarly usable with or without Pyrex.

-----------------
Command Reference
-----------------

.. _alias:
``alias`` - Define shortcuts for commonly used commands

Suppose you need to use the same commands over and over, but you can't necessarily set them as defaults. For example, if you produce both development snapshot releases and "stable" releases of a project, you may want to put the distributions in different places, or use different "egg_info" tagging options, etc. In these cases, it doesn't make sense to set the options in a distutils configuration file, because the values of the options changed based on what you're trying to do.

Setuptools therefore allows you to define "aliases" - shortcut names for an arbitrary string of commands and options, using "setup.py alias aliasname expansion ", where aliasname is the name of the new alias, and the remainder of the command line supplies its expansion. For example, this command defines a sitewide alias called "daily", that sets various "egg_info" tagging options:

```bash
setup.py alias --global-config daily egg_info --tag-svn-revision --tag-build=development
```

Once the alias is defined, it can then be used with other setup commands, e.g.:`

```bash
setup.py daily bdist_egg       # generate a daily-build .egg file
setup.py daily sdist          # generate a daily-build source distro
```
setup.py daily sdist bdist_egg # generate both

The above commands are interpreted as if the word ``daily`` were replaced with
``egg_info --tag-svn-revision --tag-build=development``.

Note that setuptools will expand each alias *at most once* in a given command
line. This serves two purposes. First, if you accidentally create an alias
loop, it will have no effect; you'll instead get an error message about an
unknown command. Second, it allows you to define an alias for a command, that
uses that command. For example, this (project-local) alias::

    setup.py alias bdist_egg bdist_egg rotate -k1 -m.egg

redefines the ``bdist_egg`` command so that it always runs the ``rotate``
command afterwards to delete all but the newest egg file. It doesn't loop
indefinitely on ``bdist_egg`` because the alias is only expanded once when
used.

You can remove a defined alias with the ``--remove`` (or ``-r``) option, e.g.::

    setup.py alias --global-config --remove daily

would delete the "daily" alias we defined above.

Aliases can be defined on a project-specific, per-user, or sitewide basis. The
default is to define or remove a project-specific alias, but you can use any of
the `configuration file options` (listed under the `saveopts` command, below)
to determine which distutils configuration file an aliases will be added to
(or removed from).

Note that if you omit the "expansion" argument to the ``alias`` command,
you'll get output showing that alias' current definition (and what
configuration file it's defined in). If you omit the alias name as well,
you'll get a listing of all current aliases along with their configuration
file locations.

``bdist_egg`` - Create a Python Egg for the project

This command generates a Python Egg (``.egg`` file) for the project. Python
Eggs are the preferred binary distribution format for EasyInstall, because they
are cross-platform (for "pure" packages), directly importable, and contain
project metadata including scripts and information about the project's
dependencies. They can be simply downloaded and added to ``sys.path``
directly, or they can be placed in a directory on ``sys.path`` and then
automatically discovered by the egg runtime system.
This command runs the `egg_info` command (if it hasn't already run) to update
the project's metadata (``.egg-info``) directory. If you have added any extra
metadata files to the ``.egg-info`` directory, those files will be included in
the new egg file's metadata directory, for use by the egg runtime system or by
any applications or frameworks that use that metadata.

You won't usually need to specify any special options for this command; just
use ``bdist_egg`` and you're done. But there are a few options that may
be occasionally useful:

``--dist-dir=DIR, -d DIR``
Set the directory where the ``.egg`` file will be placed. If you don't
supply this, then the ``--dist-dir`` setting of the ``bdist`` command
will be used, which is usually a directory named ``dist`` in the project
directory.

``--plat-name=PLATFORM, -p PLATFORM``
Set the platform name string that will be embedded in the egg's filename
(assuming the egg contains C extensions). This can be used to override
the distutils default platform name with something more meaningful. Keep
in mind, however, that the egg runtime system expects to see eggs with
distutils platform names, so it may ignore or reject eggs with non-standard
platform names. Similarly, the EasyInstall program may ignore them when
searching web pages for download links. However, if you are
cross-compiling or doing some other unusual things, you might find a use
for this option.

``--exclude-source-files``
Don't include any modules' ``.py`` files in the egg, just compiled Python,
C, and data files. (Note that this doesn't affect any ``.py`` files in the
EGG-INFO directory or its subdirectories, since for example there may be
scripts with a ``.py`` extension which must still be retained.) We don't
recommend that you use this option except for packages that are being
bundled for proprietary end-user applications, or for "embedded" scenarios
where space is at an absolute premium. On the other hand, if your package
is going to be installed and used in compressed form, you might as well
exclude the source because Python's ``traceback`` module doesn't currently
understand how to display zipped source code anyway, or how to deal with
files that are in a different place from where their code was compiled.

There are also some options you will probably never need, but which are there
because they were copied from similar ``bdist`` commands used as an example for
creating this one. They may be useful for testing and debugging, however,
which is why we kept them:

``--keep-temp, -k``
Keep the contents of the ``--bdist-dir`` tree around after creating the
``.egg`` file.
``--bdist-dir=DIR, -b DIR``

Set the temporary directory for creating the distribution. The entire contents of this directory are zipped to create the `.egg` file, after running various installation commands to copy the package's modules, data, and extensions here.

``--skip-build``

Skip doing any "build" commands; just go straight to the install-and-compress phases.

.. _develop:

``develop`` - Deploy the project source in "Development Mode"

This command allows you to deploy your project's source for use in one or more "staging areas" where it will be available for importing. This deployment is done in such a way that changes to the project source are immediately available in the staging area(s), without needing to run a build or install step after each change.

The ``develop`` command works by creating an `.egg-link` file (named for the project) in the given staging area. If the staging area is Python's `site-packages` directory, it also updates an `easy-install.pth` file so that the project is on `sys.path` by default for all programs run using that Python installation.

The `develop` command also installs wrapper scripts in the staging area (or a separate directory, as specified) that will ensure the project's dependencies are available on `sys.path` before running the project's source scripts. And, it ensures that any missing project dependencies are available in the staging area, by downloading and installing them if necessary.

Last, but not least, the `develop` command invokes the `build_ext -i` command to ensure any C extensions in the project have been built and are up-to-date, and the `egg_info` command to ensure the project's metadata is updated (so that the runtime and wrappers know what the project's dependencies are). If you make any changes to the project's setup script or C extensions, you should rerun the `develop` command against all relevant staging areas to keep the project's scripts, metadata and extensions up-to-date. Most other kinds of changes to your project should not require any build operations or rerunning `develop`, but keep in mind that even minor changes to the setup script (e.g. changing an entry point definition) require you to re-run the `develop` or `test` commands to keep the distribution updated.

Here are some of the options that the `develop` command accepts. Note that
they affect the project's dependencies as well as the project itself, so if you have dependencies that need to be installed and you use `--exclude-scripts` (for example), the dependencies' scripts will not be installed either! For this reason, you may want to use EasyInstall to install the project's dependencies before using the `develop` command, if you need finer control over the installation options for dependencies.

```
--uninstall, -u
```
Un-deploy the current project. You may use the `--install-dir` or `-d` option to designate the staging area. The created `.egg-link` file will be removed, if present and it is still pointing to the project directory. The project directory will be removed from `easy-install.pth` if the staging area is Python's `site-packages` directory.

Note that this option currently does *not* uninstall script wrappers! You must uninstall them yourself, or overwrite them by using EasyInstall to activate a different version of the package. You can also avoid installing script wrappers in the first place, if you use the `--exclude-scripts` (aka `-x`) option when you run `develop` to deploy the project.

```
--multi-version, -m
```
"Multi-version" mode. Specifying this option prevents `develop` from adding an `easy-install.pth` entry for the project(s) being deployed, and if an entry for any version of a project already exists, the entry will be removed upon successful deployment. In multi-version mode, no specific version of the package is available for importing, unless you use `pkg_resources.require()` to put it on `sys.path`, or you are running a wrapper script generated by `setuptools` or EasyInstall. (In which case the wrapper script calls `require()` for you.)

Note that if you install to a directory other than `site-packages`, this option is automatically in effect, because `.pth` files can only be used in `site-packages` (at least in Python 2.3 and 2.4). So, if you use the `--install-dir` or `-d` option (or they are set via configuration file(s)) your project and its dependencies will be deployed in multi-version mode.

```
--install-dir=DIR, -d DIR
```
Set the installation directory (staging area). If this option is not directly specified on the command line or in a distutils configuration file, the distutils default installation location is used. Normally, this will be the `site-packages` directory, but if you are using distutils configuration files, setting things like `prefix` or `install_lib`, then those settings are taken into account when computing the default staging area.

```
--script-dir=DIR, -s DIR
```
Set the script installation directory. If you don't supply this option
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(via the command line or a configuration file), but you *have* supplied an `--install-dir` (via command line or config file), then this option defaults to the same directory, so that the scripts will be able to find their associated package installation. Otherwise, this setting defaults to the location where the distutils would normally install scripts, taking any distutils configuration file settings into account.

`--exclude-scripts, -x`
Don't deploy script wrappers. This is useful if you don't want to disturb existing versions of the scripts in the staging area.

`--always-copy, -a`
Copy all needed distributions to the staging area, even if they are already present in another directory on `sys.path'. By default, if a requirement can be met using a distribution that is already available in a directory on `sys.path`, it will not be copied to the staging area.

`--egg-path=DIR`
Force the generated `.egg-link` file to use a specified relative path to the source directory. This can be useful in circumstances where your installation directory is being shared by code running under multiple platforms (e.g. Mac and Windows) which have different absolute locations for the code under development, but the same *relative* locations with respect to the installation directory. If you use this option when installing, you must supply the same relative path when uninstalling.

In addition to the above options, the `develop` command also accepts all of the same options accepted by `easy_install`. If you've configured any `easy_install` settings in your `setup.cfg` (or other distutils config files), the `develop` command will use them as defaults, unless you override them in a `[develop]` section or on the command line.

`easy_install` - Find and install packages

This command runs the `EasyInstall tool <easy_install.html>` for you. It is exactly equivalent to running the `easy_install` command. All command line arguments following this command are consumed and not processed further by the distutils, so this must be the last command listed on the command line. Please see the EasyInstall documentation for the options reference and usage examples. Normally, there is no reason to use this command via the command line, as you can just use `easy_install` directly. It's only listed here so that you know it's a distutils command, which means that you can:

* create command aliases that use it,
* create distutils extensions that invoke it as a subcommand, and
* configure options for it in your ``setup.cfg`` or other distutils config files.

``_egg_info``

``egg_info`` - Create egg metadata and set build tags

This command performs two operations: it updates a project's ``.egg-info``
metadata directory (used by the ``bdist_egg``, ``develop``, and ``test``
commands), and it allows you to temporarily change a project's version string,
to support "daily builds" or "snapshot" releases. It is run automatically by
the ``sdist``, ``bdist_egg``, ``develop``, ``register``, and ``test`` commands
in order to update the project's metadata, but you can also specify it
effectively in order to temporarily change the project's version string while
executing other commands. (It also generates the``.egg-info/SOURCES.txt``
manifest file, which is used when you are building source distributions.)

In addition to writing the core egg metadata defined by ``setuptools`` and
required by ``pkg_resources``, this command can be extended to write other
metadata files as well, by defining entry points in the ``egg_info.writers``
group. See the section on `Adding new EGG-INFO Files`_ below for more details.
Note that using additional metadata writers may require you to include a
``setup_requires`` argument to ``setup()`` in order to ensure that the desired
writers are available on ``sys.path``.

Release Tagging Options
-----------------------

The following options can be used to modify the project's version string for
all remaining commands on the setup command line. The options are processed
in the order shown, so if you use more than one, the requested tags will be
added in the following order:

``--tag-build=NAME, -b NAME``

Append NAME to the project's version string. Due to the way setuptools
processes "pre-release" version suffixes beginning with the letters "a"
through "e" (like "alpha", "beta", and "candidate"), you will usually want
to use a tag like ".build" or ".dev", as this will cause the version number
to be considered *lower* than the project's default version. (If you
want to make the version number *higher* than the default version, you can
always leave off --tag-build and then use one or both of the following
options.)

If you have a default build tag set in your ``setup.cfg``, you can suppress
it on the command line using ```-b `""` or ```--tag-build=""` as an argument

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to the ``egg_info`` command.

``--tag-svn-revision, -r``
If the current directory is a Subversion checkout (i.e. has a ``.svn``
subdirectory, this appends a string of the form "-rNNNN" to the project's
version string, where NNNN is the revision number of the most recent
modification to the current directory, as obtained from the ``svn info``
command.

If the current directory is not a Subversion checkout, the command will
look for a ``PKG-INFO`` file instead, and try to find the revision number
from that, by looking for a "-rNNNN" string at the end of the version
number. (This is so that building a package from a source distribution of
a Subversion snapshot will produce a binary with the correct version
number.)

If there is no ``PKG-INFO`` file, or the version number contained therein
does not end with "-r" and a number, then "-r0" is used.

``--no-svn-revision, -R``
Don't include the Subversion revision in the version number. This option
is included so you can override a default setting put in ``setup.cfg``.

``--tag-date, -d``
Add a date stamp of the form "-YYYYMMDD" (e.g. "-20050528") to the
project's version number.

``--no-date, -D``
Don't include a date stamp in the version number. This option is included
so you can override a default setting in ``setup.cfg``.

(Note: Because these options modify the version number used for source and
binary distributions of your project, you should first make sure that you know
how the resulting version numbers will be interpreted by automated tools
like EasyInstall. See the section above on `Specifying Your Project's
Version` for an explanation of pre- and post-release tags, as well as tips on
how to choose and verify a versioning scheme for your project.)

For advanced uses, there is one other option that can be set, to change the
location of the project's ``.egg-info`` directory. Commands that need to find
the project's source directory or metadata should get it from this setting:

Other ``egg_info`` Options
--------------------------
``--egg-base=SOURCEDIR, -e SOURCEDIR``
Specify the directory that should contain the .egg-info directory. This should normally be the root of your project's source tree (which is not necessarily the same as your project directory; some projects use a `src` or `lib` subdirectory as the source root). You should not normally need to specify this directory, as it is normally determined from the `package_dir` argument to the `setup()` function, if any. If there is no `package_dir` set, this option defaults to the current directory.

``egg_info`` Examples
---------------------

Creating a dated "nightly build" snapshot egg::

    python setup.py egg_info --tag-date --tag-build=DEV bdist_egg

Creating and uploading a release with no version tags, even if some default tags are specified in `setup.cfg`::

    python setup.py egg_info -RDb "" sdist bdist_egg register upload

(Notice that `egg_info` must always appear on the command line *before* any commands that you want the version changes to apply to.)

.. _install command:
``install`` - Run `easy_install` or old-style installation
============================================================

The setuptools `install` command is basically a shortcut to run the `easy_install` command on the current project. However, for convenience in creating "system packages" of setuptools-based projects, you can also use this option:

``--single-version-externally-managed``

This boolean option tells the `install` command to perform an "old style" installation, with the addition of an `.egg-info` directory so that the installed project will still have its metadata available and operate normally. If you use this option, you *must* also specify the `--root` or `--record` options (or both), because otherwise you will have no way to identify and remove the installed files.

This option is automatically in effect when `install` is invoked by another distutils command, so that commands like `bdist_wininst` and `bdist_rpm` will create system packages of eggs. It is also automatically in effect if you specify the `--root` option.
``install_egg_info`` - Install an `.egg-info` directory in `site-packages`

================================================================================

Setuptools runs this command as part of `install` operations that use the
`--single-version-externally-managed` options. You should not invoke it
directly; it is documented here for completeness and so that distutils
extensions such as system package builders can make use of it. This command
has only one option:

``--install-dir=DIR, -d DIR``

The parent directory where the `.egg-info` directory will be placed.
Defaults to the same as the `--install-dir` option specified for the
`install_lib` command, which is usually the system `site-packages`
directory.

This command assumes that the `egg_info` command has been given valid options
via the command line or `setup.cfg`, as it will invoke the `egg_info`
cannot and use its options to locate the project's source `.egg-info`
directory.

.. _rotate:

``rotate`` - Delete outdated distribution files

==============================================================================

As you develop new versions of your project, your distribution (`dist`) directory
will gradually fill up with older source and/or binary distribution
files. The `rotate` command lets you automatically clean these up, keeping
only the N most-recently modified files matching a given pattern.

``--match=PATTERNLIST, -m PATTERNLIST``

Comma-separated list of glob patterns to match. This option is *required*.
The project name and ``-*`` is prepended to the supplied patterns, in order
to match only distributions belonging to the current project (in case you
have a shared distribution directory for multiple projects). Typically,
you will use a glob pattern like ``*.zip`` or ``*.egg`` to match files of
the specified type. Note that each supplied pattern is treated as a
distinct group of files for purposes of selecting files to delete.

``--keep=COUNT, -k COUNT``

Number of matching distributions to keep. For each group of files
identified by a pattern specified with the `--match` option, delete all
but the COUNT most-recently-modified files in that group. This option is
*required*.

``--dist-dir=DIR, -d DIR``
Directory where the distributions are. This defaults to the value of the
``bdist`` command's ``--dist-dir`` option, which will usually be the
project's ``dist`` subdirectory.

**Example 1**: Delete all .tar.gz files from the distribution directory, except
for the 3 most recently modified ones::

    setup.py rotate --match=.tar.gz --keep=3

**Example 2**: Delete all Python 2.3 or Python 2.4 eggs from the distribution
directory, except the most recently modified one for each Python version::

    setup.py rotate --match=-py2.3*.egg,-py2.4*.egg --keep=1

.. _saveopts:

``saveopts`` - Save used options to a configuration file

Finding and editing ``distutils`` configuration files can be a pain, especially
since you also have to translate the configuration options from command-line
form to the proper configuration file format. You can avoid these hassles by
using the ``saveopts`` command. Just add it to the command line to save the
options you used. For example, this command builds the project using
the ``mingw32`` C compiler, then saves the --compiler setting as the default
for future builds (even those run implicitly by the ``install`` command)::

    setup.py build --compiler=mingw32 saveopts

The ``saveopts`` command saves all options for every command specified on the
command line to the project's local ``setup.cfg`` file, unless you use one of
the `configuration file options`_ to change where the options are saved. For
every example, this command does the same as above, but saves the compiler setting
to the site-wide (global) distutils configuration::

    setup.py build --compiler=mingw32 saveopts -g

Note that it doesn't matter where you place the ``saveopts`` command on the
command line; it will still save all the options specified for all commands.
For example, this is another valid way to spell the last example::

    setup.py saveopts -g build --compiler=mingw32

Note, however, that all of the commands specified are always run, regardless of
where ``saveopts`` is placed on the command line.
Configuration File Options

Normally, settings such as options and aliases are saved to the project's local `setup.cfg` file. But you can override this and save them to the global or per-user configuration files, or to a manually-specified filename.

``--global-config, -g``
Save settings to the global `distutils.cfg` file inside the `distutils` package directory. You must have write access to that directory to use this option. You also can't combine this option with ``-u`` or ``-f``.

``--user-config, -u``
Save settings to the current user's `~/.pydistutils.cfg` (POSIX) or `~$HOME/pydistutils.cfg` (Windows) file. You can't combine this option with ``-g`` or ``-f``.

``--filename=FILENAME, -f FILENAME``
Save settings to the specified configuration file to use. You can't combine this option with ``-g`` or ``-u``. Note that if you specify a non-standard filename, the `distutils` and `setuptools` will not use the file's contents. This option is mainly included for use in testing.

These options are used by other `setuptools` commands that modify configuration files, such as the `alias` and `setopt` commands.

``setopt``
- Set a distutils or setuptools option in a config file

This command is mainly for use by scripts, but it can also be used as a quick and dirty way to change a distutils configuration option without having to remember what file the options are in and then open an editor.

**Example 1**. Set the default C compiler to `mingw32` (using long option names):

```python
setup.py setopt --command=build --option=compiler --set-value=mingw32
```

**Example 2**. Remove any setting for the distutils default package installation directory (short option names):

```python
setup.py setopt -c install -o install_lib -r
```
Options for the `setopt` command:

``--command=COMMAND, -c COMMAND``
Command to set the option for. This option is required.

``--option=OPTION, -o OPTION``
The name of the option to set. This option is required.

``--set-value=VALUE, -s VALUE``
The value to set the option to. Not needed if ``-r`` or ``--remove`` is set.

``--remove, -r``
Remove (unset) the option, instead of setting it.

In addition to the above options, you may use any of the `configuration file options`_ (listed under the `saveopts`_ command, above) to determine which distutils configuration file the option will be added to (or removed from).

.. _test:

``test`` - Build package and run a unittest suite

When doing test-driven development, or running automated builds that need testing before they are deployed for downloading or use, it's often useful to be able to run a project's unit tests without actually deploying the project anywhere, even using the `develop` command. The `test` command runs a project's unit tests without actually deploying it, by temporarily putting the project's source on `sys.path`, after first running `build_ext -i` and `egg_info` to ensure that any C extensions and project metadata are up-to-date.

To use this command, your project's tests must be wrapped in a `unittest` test suite by either a function, a `TestCase` class or method, or a module or package containing `TestCase` classes. If the named suite is a module, and the module has an `additional_tests()` function, it is called and the result (which must be a `unittest.TestSuite`) is added to the tests to be run. If the named suite is a package, any submodules and subpackages are recursively added to the overall test suite. (Note: if your project specifies a `test_loader`, the rules for processing the chosen `test_suite` may differ; see the `test_loader` documentation for more details.)

Note that many test systems including `doctest` support wrapping their non-`unittest` tests in `TestSuite` objects. So, if you are using a test package that does not support this, we suggest you encourage its developers to implement test suite support, as this is a convenient and standard way to
aggregate a collection of tests to be run under a common test harness.

By default, tests will be run in the "verbose" mode of the `unittest` package's text test runner, but you can get the "quiet" mode (just dots) if you supply the `-q` or `--quiet` option, either as a global option to the setup script (e.g. `setup.py -q test`) or as an option for the `test` command itself (e.g. `setup.py test -q`). There is one other option available:

```
--test-suite=NAME, -s NAME
```

Specify the test suite (or module, class, or method) to be run (e.g. `some_module.test_suite`). The default for this option can be set by giving a `test_suite` argument to the `setup()` function, e.g.:

```python
setup(
    # ...
    test_suite = "my_package.tests.test_all"
)
```

If you did not set a `test_suite` in your `setup()` call, and do not provide a `--test-suite` option, an error will occur.

.. upload:

```
upload` - Upload source and/or egg distributions to PyPI

==========================================================================

The `upload` command is implemented and documented `<https://docs.python.org/3.1/distutils/uploading.html>`_ in distutils.

Setuptools augments the `upload` command with support for `keyring` `<https://pypi.python.org/pypi/keyring>`_, allowing the password to be stored in a secure location and not in plaintext in the .pypirc file. To use keyring, first install keyring and set the password for the relevant repository, e.g.:

```bash
python -m keyring set <repository> <username>
Password for '<username>' in '<repository>': ********
```

Then, in .pypirc, set the repository configuration as normal, but omit the password. Thereafter, uploads will use the password from the keyring.

New in 20.1: Added keyring support.
.. _upload_docs:

``upload_docs`` - Upload package documentation to PyPI
======================================================================

PyPI now supports uploading project documentation to the dedicated URL
https://pythonhosted.org/<project>/.

The `upload_docs` command will create the necessary zip file out of a
documentation directory and will post to the repository.

Note that to upload the documentation of a project, the corresponding version
must already be registered with PyPI, using the distutils `register`
command -- just like the `upload` command.

Assuming there is an `Example` project with documentation in the
subdirectory `docs`, e.g.::

Example/
|-- example.py
|-- setup.cfg
|-- setup.py
|-- docs
 | |-- build
 | | `-- html
 | | | `-- index.html
 | | `-- tips_tricks.html
 | `-- conf.py
 | |-- index.txt
 | `-- tips_tricks.txt

You can simply pass the documentation directory path to the `upload_docs`
command::

   python setup.py upload_docs --upload-dir=docs/build/html

If no `--upload-dir` is given, `upload_docs` will attempt to run the
`build_sphinx` command to generate uploadable documentation.
For the command to become available, `Sphinx <http://sphinx.pocoo.org/>`
must be installed in the same environment as distribute.

As with other `setuptools`-based commands, you can define useful
defaults in the `setup.cfg` of your Python project, e.g.:

.. code-block:: ini

   [upload_docs]
   upload-dir = docs/build/html
The `upload_docs` command has the following options:

``--upload-dir``
The directory to be uploaded to the repository.

``--show-response``
Display the full response text from server; this is useful for debugging PyPI problems.

``--repository=URL, -r URL``
The URL of the repository to upload to. Defaults to https://pypi.python.org/pypi (i.e., the main PyPI installation).

--------------------------------
Extending and Reusing Setuptools
--------------------------------

Creating `distutils` Extensions
=================================

It can be hard to add new commands or setup arguments to the distutils. But the `setuptools` package makes it a bit easier, by allowing you to distribute a distutils extension as a separate project, and then have projects that need the extension just refer to it in their `setup_requires` argument.

With `setuptools`, your distutils extension projects can hook in new commands and `setup()` arguments just by defining "entry points". These are mappings from command or argument names to a specification of where to import a handler from. (See the section on `Dynamic Discovery of Services and Plugins` above for some more background on entry points.)

Adding Commands
---------------

You can add new `setup` commands by defining entry points in the `distutils.commands` group. For example, if you wanted to add a `foo` command, you might add something like this to your distutils extension project's setup script:

```python
setup(
    # ...
    entry_points = {
        "distutils.commands": [
            "foo = mypackage.some_module:foo",
        ],
    }
)`
Once a project containing such entry points has been activated on `sys.path`, (e.g. by running "install" or "develop" with a site-packages installation directory) the command(s) will be available to any `setuptools`-based setup scripts. It is not necessary to use the `--command-packages` option or to monkeypatch the `distutils.command` package to install your commands; `setuptools` automatically adds a wrapper to the distutils to search for entry points in the active distributions on `sys.path`. In fact, this is how setuptools' own commands are installed: the setuptools project's setup script defines entry points for them!

Adding `setup()` Arguments
-------------------------

Sometimes, your commands may need additional arguments to the `setup()` call. You can enable this by defining entry points in the `distutils.setup_keywords` group. For example, if you wanted a `setup()` argument called `bar_baz`, you might add something like this to your distutils extension project's setup script::

```python
def assert_bool(dist, attr, value):
    """Verify that value is True, False, 0, or 1""
    if bool(value) != value:
        raise DistutilsSetupError( ?)
```

The idea here is that the entry point defines a function that will be called to validate the `setup()` argument, if it's supplied. The `Distribution` object will have the initial value of the attribute set to `None`, and the validation function will only be called if the `setup()` call sets it to a non-None value. Here's an example validation function::

```python
    if bool(value) != value:
        raise DistutilsSetupError( ?)
```
"%r must be a boolean value (got %r)" % (attr,value)
)

Your function should accept three arguments: the ``Distribution`` object, the attribute name, and the attribute value. It should raise a ``DistutilsSetupError`` (from the ``distutils.errors`` module) if the argument is invalid. Remember, your function will only be called with non-None values, and the default value of arguments defined this way is always None. So, your commands should always be prepared for the possibility that the attribute will be ``None`` when they access it later.

If more than one active distribution defines an entry point for the same ``setup()`` argument, *all* of them will be called. This allows multiple distutils extensions to define a common argument, as long as they agree on what values of that argument are valid.

Also note that as with commands, it is not necessary to subclass or monkeypatch the distutils ``Distribution`` class in order to add your arguments; it is sufficient to define the entry points in your extension, as long as any setup script using your extension lists your project in its ``setup_requires`` argument.

Adding new EGG-INFO Files
------------------------

Some extensible applications or frameworks may want to allow third parties to develop plugins with application or framework-specific metadata included in the plugins' EGG-INFO directory, for easy access via the `pkg_resources` metadata API. The easiest way to allow this is to create a distutils extension to be used from the plugin projects' setup scripts (via ``setup_requires``) that defines a new setup keyword, and then uses that data to write an EGG-INFO file when the ``egg_info`` command is run.

The ``egg_info`` command looks for extension points in an ``egg_info.writers`` group, and calls them to write the files. Here's a simple example of a distutils extension defining a setup argument ``foo_bar``, which is a list of lines that will be written to ``foo_bar.txt`` in the EGG-INFO directory of any project that uses the argument::

```python
setup(
    # ...
    entry_points = {
        "distutils.setup_keywords": [
            "foo_bar = setuptools.dist:assert_string_list",
        ],
        "egg_info.writers": [
            "foo_bar.txt = setuptools.command.egg_info:write_arg",
```
This simple example makes use of two utility functions defined by setuptools for its own use: a routine to validate that a setup keyword is a sequence of strings, and another one that looks up a setup argument and writes it to a file. Here's what the writer utility looks like:

```python
def write_arg(cmd, basename, filename):
    argname = os.path.splitext(basename)[0]
    value = getattr(cmd.distribution, argname, None)
    if value is not None:
        value = '
'.join(value)+'
    cmd.write_or_delete_file(argname, filename, value)
```

As you can see, `egg_info.writers` entry points must be a function taking three arguments: a `egg_info` command instance, the basename of the file to write (e.g. `foo_bar.txt`), and the actual full filename that should be written to.

In general, writer functions should honor the command object's `dry_run` setting when writing files, and use the `distutils.log` object to do any console output. The easiest way to conform to this requirement is to use the `cmd` object's `write_file()`, `delete_file()`, and `write_or_delete_file()` methods exclusively for your file operations. See those methods' docstrings for more details.

Adding Support for Revision Control Systems
---------------------------------------------

If the files you want to include in the source distribution are tracked using Git, Mercurial or SVN, you can use the following packages to achieve that:

- Git and Mercurial: `setuptools_scm <https://pypi.python.org/pypi/setuptools_scm>`_
- SVN: `setuptools_svn <https://pypi.python.org/pypi/setuptools_svn>`_

If you would like to create a plugin for `setuptools` to find files tracked by another revision control system, you can do so by adding an entry point to the `setuptools.file_finders` group. The entry point should be a function accepting a single directory name, and should yield all the filenames within that directory (and any subdirectories thereof) that are under revision control.

For example, if you were going to create a plugin for a revision control system called "foobar", you would write a function something like this:
def find_files_for_foobar(dirname):
    # loop to yield paths that start with `dirname`

And you would register it in a setup script using something like this:

```python
entry_points = {
    "setuptools.file_finders": [
        "foobar = my_foobar_module:find_files_for_foobar"
    ]
}
```

Then, anyone who wants to use your plugin can simply install it, and their local setuptools installation will be able to find the necessary files.

It is not necessary to distribute source control plugins with projects that simply use the other source control system, or to specify the plugins in ``setup_requires``. When you create a source distribution with the ``sdist`` command, setuptools automatically records what files were found in the SOURCES.txt file. That way, recipients of source distributions don't need to have revision control at all. However, if someone is working on a package by checking out with that system, they will need the same plugin(s) that the original author is using.

A few important points for writing revision control file finders:

* Your finder function MUST return relative paths, created by appending to the passed-in directory name. Absolute paths are NOT allowed, nor are relative paths that reference a parent directory of the passed-in directory.

* Your finder function MUST accept an empty string as the directory name, meaning the current directory. You MUST NOT convert this to a dot; just yield relative paths. So, yielding a subdirectory named ``some/dir`` under the current directory should NOT be rendered as ``./some/dir`` or ``/somewhere/some/dir``, but *always* as simply ``some/dir``

* Your finder function SHOULD NOT raise any errors, and SHOULD deal gracefully with the absence of needed programs (i.e., ones belonging to the revision control system itself. It *may*, however, use ``distutils.log.warn()`` to inform the user of the missing program(s).

Subclassing ``Command``

------------------------

Sorry, this section isn't written yet, and neither is a lot of what's below this point.
Reusing ``setuptools`` Code

``ez_setup``
``setuptools.archive_util``
``setuptools.sandbox``
``setuptools.package_index``

Mailing List and Bug Tracker

Please use the `distutils-sig mailing list`_ for questions and discussion about setuptools, and the `setuptools bug tracker`_ ONLY for issues you have confirmed via the list are actual bugs, and which you have reduced to a minimal set of steps to reproduce.

.. _distutils-sig mailing list: http://mail.python.org/pipermail/distutils-sig/
.. _setuptools bug tracker: https://github.com/pypa/setuptools/

Found in path(s):
* /opt/cola/permits/1121503785_1610155403.89/0/setuptools-22-0-5-1-tar-gz/setuptools-22.0.5/docs/setuptools.txt

No license file was found, but licenses were detected in source scan.

for more details.
The recommended way to bootstrap setuptools on any system is to download `ez_setup.py` and run it using the target Python environment. Different operating systems have different recommended techniques to accomplish this basic routine, so below are some examples to get you started.

Setuptools requires Python 2.6 or later. To install setuptools on Python 2.4 or Python 2.5, use the `bootstrap script for Setuptools 1.x <https://raw.githubusercontent.com/pypa/setuptools/bootstrap-py24/ez_setup.py>`__.

The link provided to ez_setup.py is a bookmark to bootstrap script for the latest known stable release.

Windows (Powershell 3 or later)

```
.. _ez_setup.py: https://bootstrap.pypa.io/ez_setup.py
```

For best results, uninstall previous versions FIRST (see `Uninstalling`__).

Using Windows 8 (which includes PowerShell 3) or earlier versions of Windows with PowerShell 3 installed, it's possible to install with one simple Powershell command. Start up Powershell and paste this command::
You must start the Powershell with Administrative privileges or you may choose to install a user-local installation:

> (Invoke-WebRequest https://bootstrap.pypa.io/ez_setup.py).Content | python -

If you have Python 3.3 or later, you can use the `py` command to install to different Python versions. For example, to install to Python 3.3 if you have Python 2.7 installed:

> (Invoke-WebRequest https://bootstrap.pypa.io/ez_setup.py).Content | py -3 -

The recommended way to install setuptools on Windows is to download `ez_setup.py` and run it. The script will download the appropriate distribution file and install it for you.

Once installation is complete, you will find an `easy_install` program in your Python `Scripts` subdirectory. For simple invocation and best results, add this directory to your `PATH` environment variable, if it is not already present. If you did a user-local install, the `Scripts` subdirectory is `\$env:APPDATA\Python\Scripts`.

Windows (simplified)

For Windows without PowerShell 3 or for installation without a command-line, download `ez_setup.py` using your preferred web browser or other technique and “run” that file.

Unix (wget)

Most Linux distributions come with wget.

Download `ez_setup.py` and run it using the target Python version. The script will download the appropriate version and install it for you:

> wget https://bootstrap.pypa.io/ez_setup.py -O - | python

Note that you will need to invoke the command with superuser privileges to install to the system Python:

> wget https://bootstrap.pypa.io/ez_setup.py -O - | sudo python

Alternatively, Setup tools may be installed to a user-local path:
> wget https://bootstrap.pypa.io/ez_setup.py -O - | python - --user

Note that on some older systems (noted on Debian 6 and CentOS 5 installations), `wget` may refuse to download `ez_setup.py`, complaining that the certificate common name `*.c.ssl.fastly.net` does not match the host name `bootstrap.pypa.io`. In addition, the `ez_setup.py` script may then encounter similar problems using `wget` internally to download `setuptools-x.y.zip`, complaining that the certificate common name of `www.python.org` does not match the host name `pypi.python.org`. Those are known issues, related to a bug in the older versions of `wget` (see Issue 59 <https://bitbucket.org/pypa/pypi/issue/59#comment-5881915>). If you happen to encounter them, install Setuptools as follows:

> wget --no-check-certificate https://bootstrap.pypa.io/ez_setup.py
> python ez_setup.py --insecure

Unix including Mac OS X (curl)
================================

If your system has curl installed, follow the `wget` instructions but replace `wget` with `curl` and `--O` with `--o`. For example:

> curl https://bootstrap.pypa.io/ez_setup.py -o - | python

Advanced Installation
=====================

For more advanced installation options, such as installing to custom locations or prefixes, download and extract the source tarball from `Setuptools on PyPI <https://pypi.python.org/pypi/setuptools>`_ and run setup.py with any supported distutils and Setuptools options. For example:

setuptools-x.x$ python setup.py install --prefix=/opt/setuptools

Use `--help` to get a full options list, but we recommend consulting the `EasyInstall manual`_ for detailed instructions, especially the section on custom installation locations`_.

.. _EasyInstall manual: https://pythonhosted.org/setuptools/EasyInstall
   .. _the section on custom installation locations: https://pythonhosted.org/setuptools/EasyInstall#custom-installation-locations

Downloads
All setuptools downloads can be found at `the project's home page in the Python Package Index`_. Scroll to the very bottom of the page to find the links.

.. _the project's home page in the Python Package Index: https://pypi.python.org/pypi/setuptools

In addition to the PyPI downloads, the development version of `setuptools` is available from the `Bitbucket repo`_, and in-development versions of the `0.6 branch`_ are available as well.

.. _Bitbucket repo: https://bitbucket.org/pypa/setuptools/get/default.tar.gz#egg=setuptools-dev
.. _0.6 branch: http://svn.python.org/projects/sandbox/branches/setuptools-0.6/#egg=setuptools-dev06

Uninstalling
============

On Windows, if Setuptools was installed using an `exe` or `msi` installer, simply use the uninstall feature of "Add/Remove Programs" in the Control Panel.

Otherwise, to uninstall Setuptools or Distribute, regardless of the Python version, delete all `setuptools*` and `distribute*` files and directories from your system's `site-packages` directory (and any other `sys.path` directories) FIRST.

If you are upgrading or otherwise plan to re-install Setuptools or Distribute, nothing further needs to be done. If you want to completely remove Setuptools, you may also want to remove the 'easy_install' and 'easy_install-x.x' scripts and associated executables installed to the Python scripts directory.

--------------------------------
Using Setuptools and EasyInstall
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Here are some of the available manuals, tutorials, and other resources for learning about Setuptools, Python Eggs, and EasyInstall:

* `The EasyInstall user's guide and reference manual`_
* `The setuptools Developer's Guide`_
* `The pkg_resources API reference`_
* `The Internal Structure of Python Eggs`_

Questions, comments, and bug reports should be directed to the `distutils-sig mailing list`_. If you have written (or know of) any tutorials, documentation, plug-ins, or other resources for setuptools users, please let us know about them there, so this reference list can be updated. If you have working, *tested* patches to correct problems or add features, you may submit them to
Credits

* The original design for the ``.egg` format and the `pkg_resources` API was co-created by Phillip Eby and Bob Ippolito. Bob also implemented the first version of `pkg_resources`, and supplied the OS X operating system version compatibility algorithm.

* Ian Bicking implemented many early "creature comfort" features of easy_install, including support for downloading via Sourceforge and Subversion repositories. Ian's comments on the Web-SIG about WSGI application deployment also inspired the concept of "entry points" in eggs, and he has given talks at PyCon and elsewhere to inform and educate the community about eggs and setuptools.

* Jim Fulton contributed time and effort to build automated tests of various aspects of easy_install, and supplied the doctests for the command-line `.exe` wrappers on Windows.

* Phillip J. Eby is the seminal author of setuptools, and first proposed the idea of an importable binary distribution format for Python application plug-ins.

* Significant parts of the implementation of setuptools were funded by the Open Source Applications Foundation, to provide a plug-in infrastructure for the Chandler PIM application. In addition, many OSAF staffers (such as Mike "Code Bear" Taylor) contributed their time and stress as guinea pigs for the use of eggs and setuptools, even before eggs were "cool". (Thanks, guys!)

* Tarek Ziad is the principal author of the Distribute fork, which re-invigorated the community on the project, encouraged renewed innovation, and addressed many defects.

* Since the merge with Distribute, Jason R. Coombs is the maintainer of setuptools. The project is maintained in coordination with the Python Packaging Authority (PyPA) and the larger Python community.
Everyone interacting in the setuptools project's codebases, issue trackers, chat rooms, and mailing lists is expected to follow the
`PyPA Code of Conduct`_.


Keywords: CPAN PyPI distutils eggs package management
Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: MIT License
Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python :: 2.6
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3
Classifier: Programming Language :: Python :: 3.3
Classifier: Programming Language :: Python :: 3.4
Classifier: Programming Language :: Python :: 3.5
Classifier: Topic :: Software Development :: Libraries :: Python Modules
Classifier: Topic :: System :: Archiving :: Packaging
Classifier: Topic :: System :: Systems Administration
Classifier: Topic :: Utilities

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* /opt/cola/permits/1121503785_1610155403.89/0/setuptools-22-0-5-1-tar-gz/setuptools-22.0.5/setuptools.info/PKG-INFO
* /opt/cola/permits/1121503785_1610155403.89/0/setuptools-22-0-5-1-tar-gz/setuptools-22.0.5/PKG-INFO

---

**1.5897 libpython-stdlib 2.7.13-2+deb9u5**

**1.5897.1 Available under license:**

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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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1.5903 dashdash 1.14.0

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./LICENSEX2016,2018,2019,2020

./OPTIONSX2017,2018,2019,2020

./PLATFORMSX2018,2019,2020

./READMEX


./autogen.shX2015,2016,2018,2019,2020

./bin/check/check-tool.cX


./bin/check/named-checkconf.cX

./bin/check/named-checkconf.rstX2020

./bin/check/named-checkzone.cX

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/bin/dig/nslookup.rst  RST  2020
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/bin/dig/win32/dig.vcxproj.user  X  2013, 2018, 2019, 2020
/bin/dig/win32/dighost.vcxproj.filters.in  X  2013, 2015, 2018, 2019, 2020
/bin/dig/win32/dighost.vcxproj.user  X  2013, 2018, 2019, 2020
/bin/dig/win32/host.vcxproj.filters.in  X  2013, 2015, 2018, 2019, 2020
/bin/dig/win32/host.vcxproj.user  X  2013, 2018, 2019, 2020
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/bin/dnssec/win32/dnssectool.vcxproj.filters.in  2013, 2015, 2018, 2019, 2020
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2010,2016,2018,2019,2020
./bin/tests/system/dlz/ns1/dns-root/com/example/dns.d/@/NS=10=example.com.=TXT.BRIEF
2010,2016,2018,2019,2020
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/lib/bind9/win32/version.c

/lib/dns/Kyuafile
2017,2018,2019,2020

/lib/dns/adb.c

/lib/dns/catz.c
2016,2017,2018,2019,2020

/lib/dns/cache.c

/lib/dns/compress.c

/lib/dns/db.c

/lib/dns/dbiterator.c

/lib/dns/dbtable.c

/lib/dns/diff.c

/lib/dns/dnstap.c

/lib/dns/dnstap.proto
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/lib/dns/ds.c

/lib/dns/dst_api.c

/lib/dns/dst_internal.h

/lib/dns/dst_openssl.h

/lib/dns/dst_parse.c

/lib/dns/dynsdb.c

/lib/dns/dynsdns.c

/lib/dns/ecdb.c
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./lib/dns/include/dns/zoneverify.h C 2018,2019,2020
./lib/dns/ipkeylist.c C 2016,2018,2019,2020
./lib/dns/kasp.c C 2020,2019,2020
./lib/dns/keymgr.c C 2019,2020
./lib/dns/mapapiX2013,2017,2018,2019,2020


/lib/dns/openssleddsa_link.c C 2017,2018,2019,2020


/lib/dns/rdata/generic/amtrelay_260.c C 2019,2020

/lib/dns/rdata/generic/amtrelay_260.h C 2019,2020

/lib/dns/rdata/generic/avc_258.c C 2016,2018,2019,2020

/lib/dns/rdata/generic/avc_258.h C 2016,2018,2019,2020


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./lib/isc/win32/include/isc/stdatomic.h	C	2018,2019,2020
./lib/isc/win32/include/isc/time.h		C
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283  58621

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1.5907 es6-promisify 5.0.0

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1.5908 is-expression 3.0.0

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1.5909 musl-utils 1.1.14-r15

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It was downloaded from:
<https://download.gnome.org/sources/pango/>
Upstream Authors:
Owen Taylor <otaylor@redhat.com>

Robert Brady (Indic shapers), Hans Breuer (Windows backend), Matthias Clasen (Documentation), Sivaraj Doddannan (Tamil shaper), Dov Grobgeld (Hebrew shaper), Karl Koehler (Arabic shaper), Alex Larsson (FreeType and Windows backends), Tor Lillqvist (FreeType and Windows backends), Changwoo Ryu (Hangul shaper), Havoc Pennington, Roozbeh Pournader (Arabic shaper), Chookij Vanatham (Hebrew shaper).

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1.5911 interpreter kibana
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**1.5912 abbrev 1.0.9**

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1.5913 gnutls 3.6.8-8.el8

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1.5916 trim 0.0.1

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```
# trim

Trims string whitespace.

```

## Installation

```
$ npm install trim
$ component install component/trim
```

## API

- [trim(str)][#trimstr]
- [.left(str)][#leftstr]
- [.right(str)][#rightstr]

<a name="" />

<a name="trimstr" />
## trim(str)

should trim leading / trailing whitespace.

```js
trim( ' foo bar ' ).should.equal('foo bar');
trim( ' 


 foo bar 


 ' ).should.equal('foo bar ');
```

## .left(str)

should trim leading whitespace.

```js
trim.left( ' foo bar ' ).should.equal('foo bar ');
```

## .right(str)

should trim trailing whitespace.

```js
trim.right( ' foo bar ' ).should.equal( ' foo bar');
```

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Found in path(s):
* /opt/cola/permits/1110914981_1606874252.47/0/trim-0-0-1-6-tgz/package/Readme.md

1.5917 e2fsprogs 1.44.5-1+deb10u2

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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

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-
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Theodore Ts'o
23-June-2007

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It is part of the main e2fsprogs distribution, which can be found at:

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Clarification letter:

The following was received February 23, 2000
From: "Linn, John" <jlinn@rsasecurity.com>

February 19, 2000

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1.5930 yaml 0.1.0
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1.5932 node-fetch 1.3.2

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1.5933 libjpeg-dev 1:1.5.2-2

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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 3a0982da308228d796df35f98d787c5cff2bb5b6.

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* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and piostream classes and tests found in the Boost.Process library.

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* 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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The development of Dynamically Loadable Zones (DLZ) for Bind 9 was conceived and contributed by Rob Butler.

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<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="1.0">
  <xsl:template name="isc.copyright.format">
    <xsl:param name="text"/>
    <xsl:value-of select="$isc.copyright.leader"/>
    <xsl:value-of select="normalize-space(substring-before($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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  </xsl:variable>
</xsl:stylesheet>
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1.5945 maglev-internal-api 1.6.34
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Metadata-Version: 2.0
Name: maglev-internal-api
Version: 1.6.34
Summary: Maglev Internal API Library (1.6.34)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: aiohttp (==2.2.5)
Requires-Dist: charDET (==3.0.4)
Requires-Dist: dnspython (==1.16.0)
Requires-Dist: idna (==2.7)
Requires-Dist: monotonic (==1.1)
Requires-Dist: python-etcD (==0.4.5)
Requires-Dist: urllib3 (==1.24.3)
Requires-Dist: yarl (==0.18.0)
# Installation
+ Requires: Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

Found in path(s):
* /opt/cola/permits/1145792054_1616451721.3/0/maglev-internal-api-1-6-34-dist-info-
  zip/inputdir/packages_extracted/targz/1/packages_extracted/3/packages_extracted/3/packages_extracted/63/maglev_
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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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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
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Mersenne Twister

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The `_random` module includes code based on a download from `http://www.math.keio.ac.jp/~matumoto/MT2002/emt19937ar.html`. The following are the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
or init_by_array(init_key, key_length).

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Any feedback is very welcome.
Sockets
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Modified by Jack Jansen, CWI, July 1995:  
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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>

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-->

<!-- $Id$ -->

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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="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;', '')">
```
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1.5957 component-inherit 0.0.3

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1.5958 libncursesw 6.0+20160213 1ubuntu1

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This is work in progress, but it's in an state where one can see it works at least on the Windows Console.

You should install the MSYS package, so that you've a shell environment that allows you to run the scripts, especially configure etc. You can get that from http://www.mingw.org

To build ncurses for native Windows, you need the MinGW toolchain. The original MinGW toolchain from the above site is only for 32-Bit Windows. As Windows Server - and also regular workstations - are moving to 64-Bit, it seems to be reasonable to have a toolchain that supports both architectures. I recommend to use the TDM gcc toolchain which you can find at http://tdm-gcc.tdragon.net/download. Go to the download section and select the bundle installer for tdm64 (MinGW-w64). This installs a multilib version of the gcc toolchain that can compile for native 32- and 64-Bit Windows versions. It also comes with a working pthread implementation.

The latest config and build scripts we use for MinGW have only been tested for the gcc-4.4 compiler toolchain (or better).

Using MinGW is a pragmatic decision, it's the easiest way to port this heavily UNIX based sourcebase to native Windows. The goal is of course to provide the includes, libraries and DLLs to be used with the more common traditional development environments on Windows, mainly with Microsoft Visual Studio.
If you start a bash from the MSYS environment, please make sure that the Microsoft Development tools are in your PATH right after the MinGW tools. The LIB.EXE tool is the only one needed. You need this only if you want to build DLLs that work with native Windows programs. If you don't have any Microsoft Development tools on your machine, consider at least to get the free "Visual C++ 2010 Express Edition". It contains the LIB.EXE tool. You may also use this compiler to test writing native Windows programs using the ncurses DLLs without using MinGW then for writing apps.

It is necessary to unset the TERM environment variable, to activate the Windows console-driver.

Please also make sure that MSYS links to the correct directory containing your MinGW toolchain. For TDM this is usually C:\MinGW64. In your Windows CMD.EXE command shell go to the MSYS root directory (most probably C:\MSYS or C:\MSYS\1.0) and verify, that there is a junction point mingw that points to the MinGW toolchain directory. If not, delete the mingw directory and use the mklink command (or the linkd.exe utility on older Windows) to create the junction point.

This code requires WindowsNT 5.1 or better, which means on the client Windows XP or better, on the server Windows Server 2003 or better.

In order to build ncurses for the planned interop layer with .NET, we recommend to use these options with configure

```
--disable-home-terminfo
--enable-reentrant
--enable-sp-funcs
--enable-term-driver
--enable-interop
--with-pthread  (if using TDM toolchain as recommended)
```

This is the configuration commandline as I'm using it at the moment:

```
./configure \
--prefix=/mingw \
--without-cxx-binding \
--without-ada \
--enable-warnings \
--enable-assertions \
--enable-reentrant \
--with-debug \
--with-normal \
--disable-home-terminfo \
--enable-sp-funcs \
--enable-term-driver \
```
--enable-interop \
--with-pthread

If you are on a 64-Bit Windows system and want to build a 32-Bit version of ncurses, you may use this commandline for configuration (when using the TDM toolchain):

CC="gcc -m32" LD="ld -m32" ./configure \
--prefix=/mingw \
--without-cxx-binding \
--without-ada \
--enable-warnings \
--enable-assertions \
--enable-reentrant \
--with-debug \
--with-normal \
--disable-home-terminfo \
--enable-sp-funcs \
--enable-term-driver \
--enable-interop \
--with-pthread

All the options above are - like the whole Windows support - experimental.

In order to build the DLLs, after your regular make you must call

make dlls

A lot is still TODO, e.g.:

- Wide Character support
  The Win32Con driver should actually only use Unicode in the future.
- Thread support (locking). If using TDM toolchain this is done by configuring pthreads.
- A GUI console driver
- Support for Terminals attached via a serial port (via terminfo)
- Support for networked Terminal connections (via terminfo)
- Workarounds for MinGW's filesystem access are necessary to make infocmp work (though tic works).

To support terminfo, we need to have an ioctl() simulation for the serial and networked Terminals.
Upstream source http://invisible-island.net/ncurses/ncurses-examples.html

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>
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-- vile: txtmode file-encoding=utf-8
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This package is used for testing builds of ncurses.

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

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#require unix-permissions no-root

$ hg init a
$ cd a
$ echo foo > b
$ hg add b
$ hg ci -m "b"

$ chmod -w .hg/store

$ cd ..

$ hg clone a b
requesting all changes
adding changesets
adding manifests
adding file changes
added 1 changesets with 1 changes to 1 files
new changesets 97310831fa1a
updating to branch default
1 files updated, 0 files merged, 0 files removed, 0 files unresolved

$ chmod +w a/.hg/store # let test clean up

$ cd b
$ hg verify
checking changesets
checking manifests
crosschecking files in changesets and manifests
checking files
checked 1 changesets with 1 changes to 1 files

$ cd ..

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1.5964 mime-db 1.35.0
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* /opt/cola/permits/1112217881_1607050046.33/0/oauth2client-4.0.0.0/oauth2client/file.py
* /opt/cola/permits/1112217881_1607050046.33/0/oauth2client-4.0.0.0/oauth2client/clientsecrets.py
* /opt/cola/permits/1112217881_1607050046.33/0/oauth2client-4.0.0.0/oauth2client/client.py
* /opt/cola/permits/1112217881_1607050046.33/0/oauth2client-4.0.0.0/oauth2client/contrib/gce.py
* /opt/cola/permits/1112217881_1607050046.33/0/oauth2client-4.0.0.0/oauth2client-4.0.0.0/setup.py
* /opt/cola/permits/1112217881_1607050046.33/0/oauth2client-4.0.0.0/oauth2client/contrib/appengine.py
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* /opt/cola/permits/1112217881_1607050046.33/0/oauth2client-4.0.0.0/oauth2client/contrib/sqlalchemy.py
* /opt/cola/permits/1112217881_1607050046.33/0/oauth2client-4.0.0.0/oauth2client/transport.py
* /opt/cola/permits/1112217881_1607050046.33/0/oauth2client-4.0.0.0/oauth2client-
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Metadata-Version: 1.1
Name: oauth2client
Version: 4.0.0
Summary: OAuth 2.0 client library
Home-page: http://github.com/google/oauth2client/
Author: Google Inc.
Author-email: UNKNOWN
License: Apache 2.0
Description: oauth2client is a client library for OAuth 2.0.
Keywords: google oauth 2.0 http client
Platform: UNKNOWN
Classifier: Programming Language :: Python :: 2
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3
Classifier: Programming Language :: Python :: 3.4
Classifier: Programming Language :: Python :: 3.5
Classifier: Development Status :: 5 - Production/Stable
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* /opt/cola/permits/1112217881_1607050046.33/0/oauth2client-4-0-0-1-tar-gz/oauth2client-4.0.0/PKG-INFO
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* /opt/cola/permits/1112217881_1607050046.33/0/oauth2client-4-0-0-1-tar-gz/oauth2client-4.0.0/oauth2client/_pycrypto_crypt.py
* /opt/cola/permits/1112217881_1607050046.33/0/oauth2client-4-0-0-1-tar-gz/oauth2client-4.0.0/oauth2client/_helpers.py
* /opt/cola/permits/1112217881_1607050046.33/0/oauth2client-4-0-0-1-tar-gz/oauth2client-4.0.0/oauth2client/_openssl_crypt.py
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* /opt/cola/permits/1112217881_1607050046.33/0/oauth2client-4-0-0-1-tar-gz/oauth2client-4.0.0/oauth2client/contrib/flask_util.py
* /opt/cola/permits/1112217881_1607050046.33/0/oauth2client-4-0-0-1-tar-gz/oauth2client-4.0.0/oauth2client/contrib/django_util/signals.py
* /opt/cola/permits/1112217881_1607050046.33/0/oauth2client-4-0-0-1-tar-gz/oauth2client-4.0.0/oauth2client/contrib/django_util/views.py
* /opt/cola/permits/1112217881_1607050046.33/0/oauth2client-4-0-0-1-tar-gz/oauth2client-4.0.0/oauth2client/contrib/django_util/site.py
* /opt/cola/permits/1112217881_1607050046.33/0/oauth2client-4-0-0-1-tar-gz/oauth2client-4.0.0/oauth2client/contrib/django_util/apps.py
* /opt/cola/permits/1112217881_1607050046.33/0/oauth2client-4-0-0-1-tar-gz/oauth2client-4.0.0/oauth2client/contrib/django_util/storage.py
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1.5969 uglify-js 2.8.29

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# Contributions to the urllib3 project

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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/@WBRSRBZDhBFXQB6/>
* Code review, PEP8 compliance, benchmark fix

* kennethreitz <me@kennethreitz.com>
* Bugfixes, suggestions, Requests integration

* georgemarshall <https://github.com/georgemarshall>
* Bugfixes, Improvements and Test coverage

* Thomas Kluver <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 <https://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 <https://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 <https://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

* Thea Flowers <magicalgirl@google.com>
* App Engine environment tests.
* Documentation re-write.

* 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://evanneagher.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

* Jess Shapiro <jesse@jesseshapiro.net>
  * Various character-encoding fixes/tweaks
  * Disabling IPv6 DNS when IPv6 connections not supported

* David Foster <http://dafoster.net/>
  * Ensure order of request and response headers are preserved.

* Jeremy Cline <jeremy@jcline.org>
  * Added connection pool keys by scheme

* Aviv Palivoda <palaviv@gmail.com>
  * History list to Retry object.
  * HTTPResponse contains the last Retry object.

* Nate Prewitt <nate.prewitt@gmail.com>
  * Ensure timeouts are not booleans and greater than zero.
  * Fixed infinite loop in `stream` when amt=None.
  * Added length_remaining to determine remaining data to be read.
  * Added enforce_content_length to raise exception when incorrect content-length received.
* Seth Michael Larson <sethmichaellarson@protonmail.com>
  * Created selectors backport that supports PEP 475.

* Alexandre Dias <alex.dias@smarkets.com>
  * Don't retry on timeout if method not in whitelist

* Moinuddin Quadri <moin18@gmail.com>
  * Lazily load idna package

* Tom White <s6yg1ez3@mail2tor.com>
  * Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.

* Tim Burke <tim.burke@gmail.com>
  * Stop buffering entire deflate-encoded responses.

* Tuukka Mustonen <tuukka.mustonen@gmail.com>
  * Add counter for status_forcelist retries.

* Erik Rose <erik@mozilla.com>
  * Bugfix to pyopenssl vending

* Wolfgang Richter <wolfgang.richter@gmail.com>
  * Bugfix related to loading full certificate chains with PyOpenSSL backend.

* Mike Miller <github@mikeage.net>
  * Logging improvements to include the HTTP(S) port when opening a new connection

* Ioannis Tziakos <mail@itziakos.gr>
  * Fix `util.selectors._fileobj_to_fd` to accept `long`.
  * Update appveyor tox setup to use the 64bit python.

* Akamai (through Jess Shapiro) <jshapiro@akamai.com>
  * Ongoing maintenance; 2017-2018

* Dominique Leuenberger <dimstar@opensuse.org>
  * Minor fixes in the test suite

* Will Bond <will@wbond.net>
  * Add Python 2.6 support to `contrib.securetransport`

* Aleksei Alekseev <alekseev.yeskela@gmail.com>
  * using auth info for socks proxy

* Chris Wilcox <git@crwilcox.com>
  * Improve contribution guide
  * Add ``HTTPResponse.geturl`` method to provide ``urllib2.urlopen().geturl()`` behavior

* Bruce Merry <https://www.brucemerry.org.za>
* Fix leaking exceptions when system calls are interrupted with zero timeout

* Hugo van Kemenade <https://github.com/hugovk>
* Drop support for EOL Python 2.6

* Tim Bell <https://github.com/timb07>
* Bugfix for responses with Content-Type: message/* logging warnings

* Justin Bramley <https://github.com/jbramleycl>
* Add ability to handle multiple Content-Encodings

* Katsuhiko YOSHIDA <https://github.com/kyoshidajp>
* Remove Authorization header regardless of case when redirecting to cross-site

* James Meickle <https://permadeath.com/>
* Improve handling of Retry-After header

* Chris Jerdonek <chris.jerdonek@gmail.com>
* Remove a spurious TypeError from the exception chain inside HTTPConnectionPool._make_request(), also for BaseExceptions.

* Jorge Lopez Silva <https://github.com/jalopezsilva>
* Added support for forwarding requests through HTTPS proxies.

* Benno Rice <benno@jeamland.net>
* Allow cadata parameter to be passed to underlying ```SSLContext.load_verify_locations()```.

* Keiichi Kobayashi <abok.1k@gmail.com>
* Rename VerifiedHTTPSConnection to HTTPSConnection

* Himanshu Garg <garg_himanshu@outlook.com>
* DOC & LICENSE Update

* Hod Bin Noon <bin.noon.hod@gmail.com>
* Test improvements

* Chris Olufson <stycarac@gmail.com>
* Fix for connection not being released on HTTP redirect and response not preloaded

* [Your name or handle] <[email or website]>
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1.5975 qw 1.0.1

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1.5976 rest-utils 3.1.1

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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
src/bdf/rules.mk
#
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
src/pcf/pcfutil.h
src/pcf/README
src/pcf/rules.mk
#
src/gzip/adler32.c
src/gzip/infblock.c
src/gzip/infblock.h
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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
#
src/tools/apinames.c
src/tools/ftrandom/ftrandom.c
#

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## Independent JPEG Group: JPEG release 6b

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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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include/GL/gl.h :

Mesa 3-D graphics library

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include/GL/glxext.h
include/GL/wglxext.h:

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 */

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* /opt/cola/permits/1110784659_1606855232.48/0/javax-inject-2-5-0-b42-sources-2-jar/javax/inject/Provider.java
* /opt/cola/permits/1110784659_1606855232.48/0/javax-inject-2-5-0-b42-sources-2-jar/javax/inject/Named.java
* /opt/cola/permits/1110784659_1606855232.48/0/javax-inject-2-5-0-b42-sources-2-jar/javax/inject/Scope.java
* /opt/cola/permits/1110784659_1606855232.48/0/javax-inject-2-5-0-b42-sources-2-jar/javax/inject/Inject.java
* /opt/cola/permits/1110784659_1606855232.48/0/javax-inject-2-5-0-b42-sources-2-jar/javax/inject/package-info.java
* /opt/cola/permits/1110784659_1606855232.48/0/javax-inject-2-5-0-b42-sources-2-jar/javax/inject/Qualifier.java

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1.5985 libpammodulesbin 1.1.8-3.2ubuntu2

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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);
+            }
+        }
+        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 Wed, 23 Sep 1998 20:29:32 +0200.

It was downloaded from ftp://ftp.kernel.org/pub/linux/libs/pam/pre/

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1.5986 pbzip2 1.1.9-1build1

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Jeff Gilchrist, Ottawa, Canada.
pbzip2@compression.ca
pbzip2 version 1.1.9 of Apr 13, 2014
1.5987 libencode-locale-perl 1.05-1

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Upstream-Contact: Gisle Aas <gisle@activestate.com>
Source: https://metacpan.org/release/Encode-Locale

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1.5988 jackson-module-guice 2.8.9

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This is an attempt to acknowledge early contributions to the garbage
collector.  Later contributions should instead be mentioned in
README.changes.

HISTORY -
Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.
Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dossier@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@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(ace@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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* m4/ax_func_which_gethostbyname_r.m4

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Version 3.1, 31 March 2009

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<tbody>
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<td>mach_override</td>
<td>lib/interception/mach_override</td>
</tr>
<tr>
<td>@ignore</td>
<td></td>
</tr>
<tr>
<td>@c Set file name and title for man page.</td>
<td></td>
</tr>
<tr>
<td>@setfilename gfdl</td>
<td></td>
</tr>
<tr>
<td>@settitle GNU Free Documentation License</td>
<td></td>
</tr>
<tr>
<td>@c man begin SEEALSO</td>
<td></td>
</tr>
<tr>
<td>gpl(7), fsf-funding(7).</td>
<td></td>
</tr>
<tr>
<td>@c man end</td>
<td></td>
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<tr>
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The class "org.apache.commons.math3.exception.util.LocalizedFormatsTest" is  
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The "org.apache.commons.math3.analysis.interpolation.HermiteInterpolator"  
has been imported from the Orekit space flight dynamics library.

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1.5993 lodash._bindcallback 3.0.1
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1.5994 libpython-all-dev 2.7.13-2

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This package was put together by Klee Dienes <klee@debian.org> from sources from ftp.python.org:/pub/python, based on the Debianization by the previous maintainers Bernd S. Brentrup <bsb@uni-muenster.de> and Bruce Perens.

Current maintainer is Matthias Klose <doko@debian.org> until the final 2.3 version is released.

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A. HISTORY OF THE SOFTWARE

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.cnrri.reston.va.us) in Reston, Virginia where he released several versions of the
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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Class::C3 - A pragma to use the C3 method resolution order algorithm

# NOTE - DO NOT USE Class::C3 directly as a user, use MRO::Compat instead!
package ClassA;
use Class::C3;
sub hello { 'A::hello' }

package ClassB;
use base 'ClassA';
use Class::C3;

package ClassC;
use base 'ClassA';
use Class::C3;

sub hello { 'C::hello' }

package ClassD;
use base ('ClassB', 'ClassC');
use Class::C3;

# Classic Diamond MI pattern
#  <A>
# / \   
# <B>   <C>
# \ /   
# <D>

package main;
# initialize the C3 module
# (formerly called in INIT)
Class::C3::initialize();

print join ', ' => Class::C3::calculateMRO('ClassD'); # prints ClassD, ClassB, ClassC, ClassA
print ClassD->hello(); # prints 'C::hello' instead of the standard p5 'A::hello'
ClassD->can('hello')->(); # can() also works correctly
UNIVERSAL::can('ClassD', 'hello'); # as does UNIVERSAL::can()

=head1 DESCRIPTION

This is pragma to change Perl 5's standard method resolution order from depth-first left-to-right
(a.k.a - pre-order) to the more sophisticated C3 method resolution order.

B<NOTE:> YOU SHOULD NOT USE THIS MODULE DIRECTLY - The feature provided
is integrated into perl version >= 5.9.5, and you should use L<MRO::Compat>
instead, which will use the core implementation in newer perls, but fallback
to using this implementation on older perls.

=head2 What is C3?

C3 is the name of an algorithm which aims to provide a sane method resolution order under multiple
inheritance. It was first introduced in the language Dylan (see links in the L<SEE ALSO> section),
and then later adopted as the preferred MRO (Method Resolution Order) for the new-style classes in
Python 2.3. Most recently it has been adopted as the 'canonical' MRO for Perl 6 classes, and the
default MRO for Parrot objects as well.

=head2 How does C3 work.

C3 works by always preserving local precedence ordering. This essentially means that no class will
appear before any of its subclasses. Take the classic diamond inheritance pattern for instance:

```
  <A>
  /   \
 <B>   <C>
  \   / 
 <D>
```

The standard Perl 5 MRO would be (D, B, A, C). The result being that B<A> appears before B<C>, even
though B<C> is the subclass of B<A>. The C3 MRO algorithm however, produces the following MRO
(D, B, C, A), which does not have this same issue.

This example is fairly trivial, for more complex examples and a deeper explanation, see the links in
the L<SEE ALSO> section.
How does this module work?

This module uses a technique similar to Perl 5's method caching. When `Class::C3::initialize` is called, this module calculates the MRO of all the classes which called `use Class::C3`. It then gathers information from the symbol tables of each of those classes, and builds a set of method aliases for the correct dispatch ordering. Once all these C3-based method tables are created, it then adds the method aliases into the local classes symbol table.

The end result is actually classes with pre-cached method dispatch. However, this caching does not do well if you start changing your `@ISA` or messing with class symbol tables, so you should consider your classes to be effectively closed. See the L<CAVEATS> section for more details.

OPTIONAL LOWERCASE PRAGMA

This release also includes an optional module `c3` in the `opt` folder. I did not include this in the regular install since lowercase module names are considered "bad" by some people. However I think that code looks much nicer like this:

```perl
package MyClass;
use c3;
```

This is more clunky:

```perl
package MyClass;
use Class::C3;
```

But hey, it's your choice, that's why it is optional.

FUNCTIONS

=over 4

=item B<calculateMRO ($class)> Given a C<$class> this will return an array of class names in the proper C3 method resolution order.

=item B<initialize>

This B<must be called> to initialize the C3 method dispatch tables, this module B<will not work> if you do not do this. It is advised to do this as soon as possible B<after> loading any classes which use C3. Here is a quick code example:

```perl
package Foo;
use Class::C3;
# ... Foo methods here

package Bar;
use Class::C3;
```
use base 'Foo';
#
# ... Bar methods here

package main;

Class::C3::initialize(); # now it is safe to use Foo and Bar

This function used to be called automatically for you in the INIT phase of the perl compiler, but that lead to warnings if this module was required at runtime. After discussion with my user base (the L<DBIx::Class> folks), we decided that calling this in INIT was more of an annoyance than a convenience. I apologize to anyone this causes problems for (although I would be very surprised if I had any other users other than the L<DBIx::Class> folks). The simplest solution of course is to define your own INIT method which calls this function.

NOTE:

If C<initialize> detects that C<initialize> has already been executed, it will L</uninitialize> and clear the MRO cache first.

=item B<uninitialize>

Calling this function results in the removal of all cached methods, and the restoration of the old Perl 5 style dispatch order (depth-first, left-to-right).

=item B<reinitialize>

This is an alias for L</initialize> above.

=back

=head1 METHOD REDISPATCHING

It is always useful to be able to re-dispatch your method call to the "next most applicable method". This module provides a pseudo package along the lines of C<SUPER::> or C<NEXT::> which will re-dispatch the method along the C3 linearization. This is best shown with an example.

# a classic diamond MI pattern ...
#
#  <A>
# / \ 
#  <B> <C>
# \ / 
#   <D>

package A;
use c3;
sub foo { 'A::foo' }

package B;
use base 'A';
use c3;
sub foo { 'B::foo => '. (shift)->next::method() }

package C;
use base 'A';
use c3;
sub foo { 'C::foo => '. (shift)->next::method() }

package D;
use base ('B', 'C');
use c3;
sub foo { 'D::foo => '. (shift)->next::method() }

print D->foo; # prints out "D::foo => B::foo => C::foo => A::foo"

A few things to note. First, we do not require you to add on the method name to the C<next::method> call (this is unlike C<NEXT::> and C<SUPER::> which do require that). This helps to enforce the rule that you cannot dispatch to a method of a different name (this is how C<NEXT::> behaves as well).

The next thing to keep in mind is that you will need to pass all arguments to C<next::method>. It can not automatically use the current C<@_>.

If C<next::method> cannot find a next method to re-dispatch the call to, it will throw an exception. You can use C<next::can> to see if C<next::method> will succeed before you call it like so:

$self->next::method(@_) if $self->next::can;

Additionally, you can use C<maybe::next::method> as a shortcut to only call the next method if it exists. The previous example could be simply written as:

$self->maybe::next::method(@_);

There are some caveats about using C<next::method>, see below for those.

=head1 CAVEATS

This module used to be labeled as I<experimental>, however it has now been pretty heavily tested by the good folks over at L<DBIx::Class> and I am confident this module is perfectly usable for whatever your needs might be.

But there are still caveats, so here goes ...

=over 4

=item Use of C<SUPER::>.

The idea of C<SUPER::> under multiple inheritance is ambiguous, and generally not recommended anyway.
However, its use in conjunction with this module is very much not recommended, and in fact very
discouraged. The recommended approach is to instead use the supplied C<next::method> feature, see
more details on its usage above.

=item Changing C<@ISA>.

It is the author's opinion that changing C<@ISA> at runtime is pure insanity anyway. However, people
do it, so I must caveat. Any changes to the C<@ISA> will not be reflected in the MRO calculated by this
module, and therefore probably won't even show up. If you do this, you will need to call C<reinitialize>
in order to recalculate B<all> method dispatch tables. See the C<reinitialize> documentation and an example
in F<t/20_reinitialize.t> for more information.

=item Adding/deleting methods from class symbol tables.

This module calculates the MRO for each requested class by interrogating the symbol tables of said classes.
So any symbol table manipulation which takes place after our INIT phase is run will not be reflected in
the calculated MRO. Just as with changing the C<@ISA>, you will need to call C<reinitialize> for any
changes you make to take effect.

=item Calling C<next::method> from methods defined outside the class

There is an edge case when using C<next::method> from within a subroutine which was created in a different
module than the one it is called from. It sounds complicated, but it really isn't. Here is an example which
will not work correctly:

*Foo::foo = sub { (shift)->next::method(@_) };

The problem exists because the anonymous subroutine being assigned to the glob C<*Foo::foo> will show up
in the call stack as being called C<__ANON__> and not C<foo> as you might expect. Since C<next::method>
uses C<caller> to find the name of the method it was called in, it will fail in this case.

But fear not, there is a simple solution. The module C<Sub::Name> will reach into the perl internals and
assign a name to an anonymous subroutine for you. Simply do this:

use Sub::Name 'subname';
*Foo::foo = subname 'Foo::foo' => sub { (shift)->next::method(@_) };

and things will Just Work. Of course this is not always possible to do, but to be honest, I just can't
manage to find a workaround for it, so until someone gives me a working patch this will be a known
limitation of this module.

=back

=head1 COMPATIBILITY

If your software requires Perl 5.9.5 or higher, you do not need L<Class::C3>, you can simply C<use mro 'c3'>, and
not worry about C<initialize>(), avoid some of the above caveats, and get the best possible performance. See
L<mro> for more details.
If your software is meant to work on earlier Perls, use `Class::C3` as documented here. `Class::C3` will detect Perl 5.9.5+ and take advantage of the core support when available.

=head1 Class::C3::XS

This module will load `Class::C3::XS` if it's installed and you are running on a Perl version older than 5.9.5. The optional module will be automatically installed for you if a C compiler is available, as it results in significant performance improvements (but unlike the 5.9.5+ core support, it still has all of the same caveats as `Class::C3`).

=head1 CODE COVERAGE

`Devel::Cover` was reporting 94.4% overall test coverage earlier in this module's life. Currently, the test suite does things that break under coverage testing, but it is fair to assume the coverage is still close to that value.

=head1 SEE ALSO

=head2 The original Dylan paper

=over 4
=item `http://www.webcom.com/haahr/dylan/linearization-oopsla96.html`
=back

=head2 The prototype Perl 6 Object Model uses C3

=over 4
=item `http://svn.openfoundry.org/pugs/perl5/Perl6-MetaModel/`
=back

=head2 Parrot now uses C3

=over 4
=item `http://aspn.activestate.com/ASPN/Mail/Message/perl6-internals/2746631`
=item `http://use.perl.org/~autrijus/journal/25768`
=back

=head2 Python 2.3 MRO related links

=over 4
=item `http://www.python.org/2.3/mro.html`
=back
=item L<http://www.python.org/2.2.2/descrintro.html#mro>

=back

=head2 C3 for TinyCLOS

=over 4


=back

=head1 ACKNOWLEDGEMENTS

=over 4

=item Thanks to Matt S. Trout for using this module in his module L<DBIx::Class> and finding many bugs and providing fixes.

=item Thanks to Justin Guenther for making C<next::method> more robust by handling calls inside C<eval> and anon-subs.

=item Thanks to Robert Norris for adding support for C<next::can> and C<maybe::next::method>.

=back

=head1 AUTHOR

Stevan Little, E<lt>stevan@iinteractive.comE<gt>

Brandon L. Black, E<lt>blblack@gmail.comE<gt>

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=cut

Found in path(s):
* /opt/cola/permits/1136857427_1613950617.58/0/libclass-c3-perl-0-26-orig-1-tar-gz/Class-C3-0.26/lib/Class/C3.pm
No license file was found, but licenses were detected in source scan.

=head1 NAME

Class::C3::next - Pure-perl next::method and friends

=head1 DESCRIPTION

This module is used internally by Class::C3 when necessary, and shouldn't be used (or required in distribution dependencies) directly. It defines next::method, next::can, and maybe::next::method in pure perl.

=head1 AUTHOR

Stevan Little, <stevan@iinteractive.com>
Brandon L. Black, <blblack@gmail.com>

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Found in path(s):
* /opt/cola/permits/1136857427_1613950617.58/0/libclass-c3-perl-0-26-orig-1-tar-gz/Class-C3-0.26/lib/Class/C3/next.pm

No license file was found, but licenses were detected in source scan.

---

abstract: 'A pragma to use the C3 method resolution order algorithm'

author:
- 'Stevan Little, <stevan@iinteractive.com>'

build_requires:
  Test::More: '0.47'

configure_requires:
  ExtUtils::CBuilder: '0.27'

dynamic_config: 1

generated_by: 'ExtUtils::MakeMaker version 6.9, CPAN::Meta::Converter version 2.133380'
NAME
Class::C3 - A pragma to use the C3 method resolution order algorithm

SYNOPSIS
  # NOTE - DO NOT USE Class::C3 directly as a user, use MRO::Compat instead!
  package ClassA;
  use Class::C3;
  sub hello { 'A::hello' }

  package ClassB;
  use base 'ClassA';
  use Class::C3;

  package ClassC;
  use base 'ClassA';
  use Class::C3;

  sub hello { 'C::hello' }

  package ClassD;
  use base ('ClassB', 'ClassC');
  use Class::C3;

  # Classic Diamond MI pattern
  #  <A>
  # /  \
package main;

# initialize the C3 module
# (formerly called in INIT)
Class::C3::initialize();

print join ', ' => Class::C3::calculateMRO('ClassD'); # prints ClassD, ClassB, ClassC, ClassA

print ClassD->hello(); # prints 'C::hello' instead of the standard p5 'A::hello'
ClassD->can('hello')->();          # can() also works correctly
UNIVERSAL::can('ClassD', 'hello'); # as does UNIVERSAL::can()

DESCRIPTION
This is pragma to change Perl 5's standard method resolution order from depth-first left-to-right (a.k.a - pre-order) to the more sophisticated C3 method resolution order.

NOTE: YOU SHOULD NOT USE THIS MODULE DIRECTLY - The feature provided is integrated into perl version >= 5.9.5, and you should use MRO::Compat instead, which will use the core implementation in newer perls, but fallback to using this implementation on older perls.

What is C3?
C3 is the name of an algorithm which aims to provide a sane method resolution order under multiple inheritance. It was first introduced in the language Dylan (see links in the "SEE ALSO" section), and then later adopted as the preferred MRO (Method Resolution Order) for the new-style classes in Python 2.3. Most recently it has been adopted as the 'canonical' MRO for Perl 6 classes, and the default MRO for Parrot objects as well.

How does C3 work.
C3 works by always preserving local precedence ordering. This essentially means that no class will appear before any of its subclasses. Take the classic diamond inheritance pattern for instance:

```
< A >
/ \
< B > < C >
\ /
< D >
```

The standard Perl 5 MRO would be (D, B, A, C). The result being that A
appears before C, even though C is the subclass of A. The C3 MRO algorithm however, produces the following MRO (D, B, C, A), which does not have this same issue.

This example is fairly trivial, for more complex examples and a deeper explanation, see the links in the "SEE ALSO" section.

How does this module work?
This module uses a technique similar to Perl 5's method caching. When "Class::C3::initialize" is called, this module calculates the MRO of all the classes which called "use Class::C3". It then gathers information from the symbol tables of each of those classes, and builds a set of method aliases for the correct dispatch ordering. Once all these C3-based method tables are created, it then adds the method aliases into the local classes symbol table.

The end result is actually classes with pre-cached method dispatch. However, this caching does not do well if you start changing your @ISA or messing with class symbol tables, so you should consider your classes to be effectively closed. See the CAVEATS section for more details.

OPTIONAL LOWERCASE PRAGMA
This release also includes an optional module c3 in the opt/ folder. I did not include this in the regular install since lowercase module names are considered "bad" by some people. However I think that code looks much nicer like this:

```perl
package MyClass;
use c3;
```

This is more clunky:

```perl
package MyClass;
use Class::C3;
```

But hey, it's your choice, that's why it is optional.

FUNCTIONS

```perl
calculateMRO ($class)
  Given a $class this will return an array of class names in the proper C3 method resolution order.
```

```perl
initialize
  This must be called to initialize the C3 method dispatch tables, this module will not work if you do not do this. It is advised to do this as soon as possible after loading any classes which use C3.
  Here is a quick code example:
```
package Foo;
use Class::C3;
# ... Foo methods here

package Bar;
use Class::C3;
use base 'Foo';
# ... Bar methods here

package main;

Class::C3::initialize(); # now it is safe to use Foo and Bar

This function used to be called automatically for you in the INIT phase of the perl compiler, but that lead to warnings if this module was required at runtime. After discussion with my user base (the DBIx::Class folks), we decided that calling this in INIT was more of an annoyance than a convenience. I apologize to anyone this causes problems for (although I would be very surprised if I had any other users other than the DBIx::Class folks). The simplest solution of course is to define your own INIT method which calls this function.

NOTE:

If "initialize" detects that "initialize" has already been executed, it will "uninitialize" and clear the MRO cache first.

uninitialize

Calling this function results in the removal of all cached methods, and the restoration of the old Perl 5 style dispatch order (depth-first, left-to-right).

reinitialize

This is an alias for "initialize" above.

METHOD REDISPATCHING

It is always useful to be able to re-dispatch your method call to the "next most applicable method". This module provides a pseudo package along the lines of "SUPER::" or "NEXT::" which will re-dispatch the method along the C3 linearization. This is best shown with an example.

# a classic diamond MI pattern ...
#  <A>
#   /
#  <B> <C>
#   \ /
#   <D>
package A;
use c3;
sub foo { 'A::foo' }

package B;
use base 'A';
use c3;
sub foo { 'B::foo => ' . (shift)->next::method() }

package C;
use base 'A';
use c3;
sub foo { 'C::foo => ' . (shift)->next::method() }

package D;
use base ('B', 'C');
use c3;
sub foo { 'D::foo => ' . (shift)->next::method() }

print D->foo; # prints out "D::foo => B::foo => C::foo => A::foo"

A few things to note. First, we do not require you to add on the method name to the "next::method" call (this is unlike "NEXT::" and "SUPER::" which do require that). This helps to enforce the rule that you cannot dispatch to a method of a different name (this is how "NEXT::" behaves as well).

The next thing to keep in mind is that you will need to pass all arguments to "next::method". It can not automatically use the current @_

If "next::method" cannot find a next method to re-dispatch the call to, it will throw an exception. You can use "next::can" to see if "next::method" will succeed before you call it like so:

$self->next::method(@_) if $self->next::can;

Additionally, you can use "maybe::next::method" as a shortcut to only call the next method if it exists. The previous example could be simply written as:

$self->maybe::next::method(@_);

There are some caveats about using "next::method", see below for those.

CAVEATS
This module used to be labeled as *experimental*, however it has now been pretty heavily tested by the good folks over at DBIx::Class and I
am confident this module is perfectly usable for whatever your needs might be.

But there are still caveats, so here goes ...

Use of "SUPER::".
The idea of "SUPER::" under multiple inheritance is ambiguous, and generally not recommended anyway. However, its use in conjunction with this module is very much not recommended, and in fact very discouraged. The recommended approach is to instead use the supplied "next::method" feature, see more details on its usage above.

Changing @ISA.
It is the author's opinion that changing @ISA at runtime is pure insanity anyway. However, people do it, so I must caveat. Any changes to the @ISA will not be reflected in the MRO calculated by this module, and therefore probably won't even show up. If you do this, you will need to call "reinitialize" in order to recalculate all method dispatch tables. See the "reinitialize" documentation and an example in t/20_reinitialize.t for more information.

Adding/deleting methods from class symbol tables.
This module calculates the MRO for each requested class by interrogating the symbol tables of said classes. So any symbol table manipulation which takes place after our INIT phase is run will not be reflected in the calculated MRO. Just as with changing the @ISA, you will need to call "reinitialize" for any changes you make to take effect.

Calling "next::method" from methods defined outside the class
There is an edge case when using "next::method" from within a subroutine which was created in a different module than the one it is called from. It sounds complicated, but it really isn't. Here is an example which will not work correctly:

*Foo::*foo = sub { (shift)->next::method(@_) };  

The problem exists because the anonymous subroutine being assigned to the glob *Foo::*foo will show up in the call stack as being called "__ANON__" and not "foo" as you might expect. Since "next::method" uses "caller" to find the name of the method it was called in, it will fail in this case.

But fear not, there is a simple solution. The module "Sub::*Name" will reach into the perl internals and assign a name to an anonymous subroutine for you. Simply do this:

use Sub::*Name 'submenu';
*Foo::foo = subname 'Foo::foo' => sub { (shift)->next::method(@_) ];

and things will Just Work. Of course this is not always possible to do, but to be honest, I just can't manage to find a workaround for it, so until someone gives me a working patch this will be a known limitation of this module.

COMPATIBILITY
If your software requires Perl 5.9.5 or higher, you do not need Class::C3, you can simply "use mro 'c3'", and not worry about "initialize()", avoid some of the above caveats, and get the best possible performance. See mro for more details.

If your software is meant to work on earlier Perls, use Class::C3 as documented here. Class::C3 will detect Perl 5.9.5+ and take advantage of the core support when available.

Class::C3::XS
This module will load Class::C3::XS if it's installed and you are running on a Perl version older than 5.9.5. The optional module will be automatically installed for you if a C compiler is available, as it results in significant performance improvements (but unlike the 5.9.5+ core support, it still has all of the same caveats as Class::C3).

CODE COVERAGE
Devel::Cover was reporting 94.4% overall test coverage earlier in this module's life. Currently, the test suite does things that break under coverage testing, but it is fair to assume the coverage is still close to that value.

SEE ALSO
The original Dylan paper
<http://www.webcom.com/haahr/dylan/linearization-oopsfa96.html>

The prototype Perl 6 Object Model uses C3
<http://svn.openfoundry.org/pugs/perl5/Perl6-MetaModel/>

Parrot now uses C3
<http://aspn.activestate.com/ASPN/Mail/Message/perl6-internals/2746631>
<http://use.perl.org/~autrijus/journal/25768>

Python 2.3 MRO related links
<http://www.python.org/2.3/mro.html>
<http://www.python.org/2.2.2/descrintro.html#mro>

C3 for TinyCLOS
ACKNOWLEDGEMENTS

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Thanks to Robert Norris for adding support for "next::can" and "maybe::next::method".

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Internet Engineering Task Force (IETF)  T. Bray, Ed.
Request for Comments: 7159  Google, Inc.
Obsoletes: 4627, 7158  March 2014
Category: Standards Track
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The JavaScript Object Notation (JSON) Data Interchange Format

Abstract

JavaScript Object Notation (JSON) is a lightweight, text-based, language-independent data interchange format. It was derived from the ECMAScript Programming Language Standard. JSON defines a small set of formatting rules for the portable representation of structured data.

This document removes inconsistencies with other specifications of JSON, repairs specification errors, and offers experience-based interoperability guidance.
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1. Introduction

JavaScript Object Notation (JSON) is a text format for the serialization of structured data. It is derived from the object literals of JavaScript, as defined in the ECMAScript Programming Language Standard, Third Edition [ECMA-262].

JSON can represent four primitive types (strings, numbers, booleans, and null) and two structured types (objects and arrays).

A string is a sequence of zero or more Unicode characters [UNICODE]. Note that this citation references the latest version of Unicode rather than a specific release. It is not expected that future changes in the UNICODE specification will impact the syntax of JSON.

An object is an unordered collection of zero or more name/value pairs, where a name is a string and a value is a string, number, boolean, null, object, or array.

An array is an ordered sequence of zero or more values.
The terms "object" and "array" come from the conventions of JavaScript.

JSON's design goals were for it to be minimal, portable, textual, and a subset of JavaScript.

1.1. Conventions Used in This Document

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in [RFC2119].

The grammatical rules in this document are to be interpreted as described in [RFC5234].

1.2. Specifications of JSON

This document updates [RFC4627], which describes JSON and registers the media type "application/json".

A description of JSON in ECMAScript terms appears in Version 5.1 of the ECMAScript specification [ECMA-262], Section 15.12. JSON is also described in [ECMA-404].

All of the specifications of JSON syntax agree on the syntactic elements of the language.

1.3. Introduction to This Revision

In the years since the publication of RFC 4627, JSON has found very wide use. This experience has revealed certain patterns, which, while allowed by its specifications, have caused interoperability problems.

Also, a small number of errata have been reported (see RFC Errata IDs 607 [Err607] and 3607 [Err3607]).

This document's goal is to apply the errata, remove inconsistencies with other specifications of JSON, and highlight practices that can lead to interoperability problems.

2. JSON Grammar

A JSON text is a sequence of tokens. The set of tokens includes six structural characters, strings, numbers, and three literal names.
A JSON text is a serialized value. Note that certain previous specifications of JSON constrained a JSON text to be an object or an array. Implementations that generate only objects or arrays where a JSON text is called for will be interoperable in the sense that all implementations will accept these as conforming JSON texts.

\[
\text{JSON-text} = \text{ws value ws}
\]

These are the six structural characters:

\[
\begin{align*}
\text{begin-array} &= \text{ws } %x5B \text{ ws } ; [ \text{ left square bracket} \\
\text{begin-object} &= \text{ws } %x7B \text{ ws } ; \{ \text{ left curly bracket} \\
\text{end-array} &= \text{ws } %x5D \text{ ws } ; ] \text{ right square bracket} \\
\text{end-object} &= \text{ws } %x7D \text{ ws } ; \} \text{ right curly bracket} \\
\text{name-separator} &= \text{ws } %x3A \text{ ws } ; : \text{ colon} \\
\text{value-separator} &= \text{ws } %x2C \text{ ws } ; , \text{ comma}
\end{align*}
\]

Insignificant whitespace is allowed before or after any of the six structural characters.

\[
\text{ws} = ^{*}(\%x20 / ; \text{ Space} \\
\%x09 / ; \text{ Horizontal tab} \\
\%x0A / ; \text{ Line feed or New line} \\
\%x0D ) ; \text{ Carriage return}
\]

3. Values

A JSON value MUST be an object, array, number, or string, or one of the following three literal names:

false null true

The literal names MUST be lowercase. No other literal names are
allowed.

value = false / null / true / object / array / number / string

false = %x66.61.6c.73.65   ; false
null  = %x6e.75.6c.6c      ; null
true  = %x74.72.75.65      ; true

4. Objects

An object structure is represented as a pair of curly brackets surrounding zero or more name/value pairs (or members). A name is a string. A single colon comes after each name, separating the name from the value. A single comma separates a value from a following name. The names within an object SHOULD be unique.

object = begin-object [ member *( value-separator member ) ]
        end-object

member = string name-separator value

An object whose names are all unique is interoperable in the sense that all software implementations receiving that object will agree on the name-value mappings. When the names within an object are not unique, the behavior of software that receives such an object is unpredictable. Many implementations report the last name/value pair only. Other implementations report an error or fail to parse the object, and some implementations report all of the name/value pairs, including duplicates.

JSON parsing libraries have been observed to differ as to whether or not they make the ordering of object members visible to calling software. Implementations whose behavior does not depend on member ordering will be interoperable in the sense that they will not be affected by these differences.

5. Arrays
An array structure is represented as square brackets surrounding zero or more values (or elements). Elements are separated by commas.

\[
\text{array} = \begin{array} \text{begin-array} [ \text{value} *( \text{value-separator} \text{value} ) ] \end{array} \text{end-array}
\]

There is no requirement that the values in an array be of the same type.

6. Numbers

The representation of numbers is similar to that used in most programming languages. A number is represented in base 10 using decimal digits. It contains an integer component that may be prefixed with an optional minus sign, which may be followed by a fraction part and/or an exponent part. Leading zeros are not allowed.

A fraction part is a decimal point followed by one or more digits.

```
number = [ minus ] int [ frac ] [ exp ]
decimal-point = %x2E ; .
digit1-9 = %x31-39 ; 1-9
e = %x65 / %x45 ; e E
exp = e [ minus / plus ] 1*DIGIT
frac = decimal-point 1*DIGIT
int = zero / ( digit1-9 *DIGIT )
```
minus = %x2D   ; -
plus = %x2B    ; +
zero = %x30    ; 0

This specification allows implementations to set limits on the range and precision of numbers accepted. Since software that implements IEEE 754-2008 binary64 (double precision) numbers [IEEE754] is generally available and widely used, good interoperability can be achieved by implementations that expect no more precision or range than these provide, in the sense that implementations will approximate JSON numbers within the expected precision. A JSON number such as 1E400 or 3.141592653589793238462643383279 may indicate potential interoperability problems, since it suggests that the software that created it expects receiving software to have greater capabilities for numeric magnitude and precision than is widely available.

Note that when such software is used, numbers that are integers and are in the range [-(2**53)+1, (2**53)-1] are interoperable in the sense that implementations will agree exactly on their numeric values.

7. Strings

The representation of strings is similar to conventions used in the C family of programming languages. A string begins and ends with quotation marks. All Unicode characters may be placed within the quotation marks, except for the characters that must be escaped: quotation mark, reverse solidus, and the control characters (U+0000 through U+001F).

Any character may be escaped. If the character is in the Basic Multilingual Plane (U+0000 through U+FFFF), then it may be represented as a six-character sequence: a reverse solidus, followed by the lowercase letter u, followed by four hexadecimal digits that
encode the character's code point. The hexadecimal letters A through F can be upper or lower case. So, for example, a string containing only a single reverse solidus character may be represented as "\u005C".

Alternatively, there are two-character sequence escape representations of some popular characters. So, for example, a string containing only a single reverse solidus character may be represented more compactly as "\".

To escape an extended character that is not in the Basic Multilingual Plane, the character is represented as a 12-character sequence, encoding the UTF-16 surrogate pair. So, for example, a string containing only the G clef character (U+1D11E) may be represented as "\uD834\uDD1E".

string = quotation-mark *char quotation-mark

char = unescaped / escape ( escape = %x5C ; \ escape = %x5C ; \ unescaped = %x20-21 / %x23-5B / %x5D-10FFFF

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RFC 7159 JSON March 2014

8. String and Character Issues

8.1. Character Encoding

JSON text SHALL be encoded in UTF-8, UTF-16, or UTF-32. The default
encoding is UTF-8, and JSON texts that are encoded in UTF-8 are interoperable in the sense that they will be read successfully by the maximum number of implementations; there are many implementations that cannot successfully read texts in other encodings (such as UTF-16 and UTF-32).

Implementations MUST NOT add a byte order mark to the beginning of a JSON text. In the interests of interoperability, implementations that parse JSON texts MAY ignore the presence of a byte order mark rather than treating it as an error.

8.2. Unicode Characters

When all the strings represented in a JSON text are composed entirely of Unicode characters [UNICODE] (however escaped), then that JSON text is interoperable in the sense that all software implementations that parse it will agree on the contents of names and of string values in objects and arrays.

However, the ABNF in this specification allows member names and string values to contain bit sequences that cannot encode Unicode characters; for example, "\uDEAD" (a single unpaired UTF-16 surrogate). Instances of this have been observed, for example, when a library truncates a UTF-16 string without checking whether the truncation split a surrogate pair. The behavior of software that receives JSON texts containing such values is unpredictable; for example, implementations might return different values for the length of a string value or even suffer fatal runtime exceptions.

8.3. String Comparison

Software implementations are typically required to test names of object members for equality. Implementations that transform the textual representation into sequences of Unicode code units and then perform the comparison numerically, code unit by code unit, are interoperable in the sense that implementations will agree in all cases on equality or inequality of two strings. For example, implementations that compare strings with escaped characters unconverted may incorrectly find that "a\b" and "a\u005Cb" are not equal.
9. Parsers

A JSON parser transforms a JSON text into another representation. A JSON parser MUST accept all texts that conform to the JSON grammar. A JSON parser MAY accept non-JSON forms or extensions.

An implementation may set limits on the size of texts that it accepts. An implementation may set limits on the maximum depth of nesting. An implementation may set limits on the range and precision of numbers. An implementation may set limits on the length and character contents of strings.

10. Generators

A JSON generator produces JSON text. The resulting text MUST strictly conform to the JSON grammar.

11. IANA Considerations

The MIME media type for JSON text is application/json.

Type name: application

Subtype name: json

Required parameters: n/a

Optional parameters: n/a

Encoding considerations: binary

Security considerations: See [RFC7159], Section 12.

Interoperability considerations: Described in [RFC7159]

Published specification: [RFC7159]

Applications that use this media type:

JSON has been used to exchange data between applications written in all of these programming languages: ActionScript, C, C#, Clojure, ColdFusion, Common Lisp, E, Erlang, Go, Java, JavaScript, Lua, Objective CAML, Perl, PHP, Python, Rebol, Ruby, Scala, and Scheme.
12. Security Considerations

Generally, there are security issues with scripting languages. JSON is a subset of JavaScript but excludes assignment and invocation.

Since JSON's syntax is borrowed from JavaScript, it is possible to use that language's "eval()" function to parse JSON texts. This generally constitutes an unacceptable security risk, since the text could contain executable code along with data declarations. The same consideration applies to the use of eval()-like functions in any other programming language in which JSON texts conform to that language's syntax.
13. Examples

This is a JSON object:

```json
{
  "Image": {
    "Width": 800,
    "Height": 600,
    "Title": "View from 15th Floor",
    "Thumbnail": {
      "Url": "http://www.example.com/image/481989943",
      "Height": 125,
      "Width": 100
    },
    "Animated": false,
    "IDs": [116, 943, 234, 38793]
  }
}
```

Its Image member is an object whose Thumbnail member is an object and whose IDs member is an array of numbers.

This is a JSON array containing two objects:

```json
[
  {
    "precision": "zip",
    "Latitude": 37.7668,
    "Longitude": -122.3959,
  }
]
```
Here are three small JSON texts containing only values:

"Hello world!"

42

true

14. Contributors

RFC 4627 was written by Douglas Crockford. This document was constructed by making a relatively small number of changes to that document; thus, the vast majority of the text here is his.

15. References

15.1. Normative References

15.2. Informative References


Appendix A. Changes from RFC 4627

This section lists changes between this document and the text in RFC 4627.
- Changed the title and abstract of the document.
- Changed the reference to [UNICODE] to be not version specific.
- Added a "Specifications of JSON" section.
- Added an "Introduction to This Revision" section.
- Changed the definition of "JSON text" so that it can be any JSON value, removing the constraint that it be an object or array.
- Added language about duplicate object member names, member ordering, and interoperability.
- Clarified the absence of a requirement that values in an array be of the same JSON type.
- Applied erratum #607 from RFC 4627 to correctly align the artwork for the definition of "object".
- Changed "as sequences of digits" to "in the grammar below" in the "Numbers" section, and made base-10-ness explicit.
- Added language about number interoperability as a function of IEEE754, and added an IEEE754 reference.
- Added language about interoperability and Unicode characters and about string comparisons. To do this, turned the old "Encoding" section into a "String and Character Issues" section, with three subsections: "Character Encoding", "Unicode Characters", and "String Comparison".
- Changed guidance in the "Parsers" section to point out that implementations may set limits on the range "and precision" of numbers.
- Updated and tidied the "IANA Considerations" section.
- Made a real "Security Considerations" section and lifted the text out of the previous "IANA Considerations" section.
Applied erratum #3607 from RFC 4627 by removing the security consideration that begins "A JSON text can be safely passed" and the JavaScript code that went with that consideration.

Added a note to the "Security Considerations" section pointing out the risks of using the "eval()" function in JavaScript or any other language in which JSON texts conform to that language's syntax.

Added a note to the "IANA Considerations" clarifying the absence of a "charset" parameter for the application/json media type.

Changed "100" to 100 and added a boolean field, both in the first example.

Added examples of JSON texts with simple values, neither objects nor arrays.

Added a "Contributors" section crediting Douglas Crockford.

Added a reference to RFC 4627.

Moved the ECMAScript reference from Normative to Informative and updated it to reference ECMAScript 5.1, and added a reference to ECMA 404.

Author's Address

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Found in path(s):
* /opt/cola/permits/1112082490_1607034739.82/0/flori-json-v2-1-0-0-g4688035-tar-gz/flori-json-4688035/references/rfc7159.txt
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# Changes
## 2017-04-18 (2.1.0)
* Allow passing of `decimal_class` option to specify a class as which to parse JSON float numbers.

## 2017-03-23 (2.0.4)
* Raise exception for incomplete unicode surrogates/character escape sequences. This problem was reported by Daniel Gollahon (dgollahon).
* Fix arbitrary heap exposure problem. This problem was reported by Ahmad Sherif (ahmadsherif).

## 2017-01-12 (2.0.3)
* Set `required_ruby_version` to 1.9
* Some small fixes

## 2016-07-26 (2.0.2)
* Specify `required_ruby_version` for json\_pure.
* Fix issue #295 failure when parsing frozen strings.

## 2016-07-01 (2.0.1)
* Fix problem when requiring json\_pure and Parser constant was defined top level.
* Add `RB_GC_GUARD` to avoid possible GC problem via Pete Johns.
* Store `current_nesting` on stack by Aaron Patterson.

## 2015-09-11 (2.0.0)
* Now complies to newest JSON RFC 7159.
* Implements compatibility to ruby 2.4 integer unification.
* Drops support for old rubies whose life has ended, that is rubies < 2.0.
  Also see https://www.ruby-lang.org/en/news/2014/07/01/eol-for-1-8-7-and-1-9-2/
* There were still some mentions of dual GPL licensing in the source, but JSON has just the Ruby license that itself includes an explicit dual-licensing clause that allows covered software to be distributed under the terms of the Simplified BSD License instead for all ruby versions >= 1.9.3. This is however a GPL compatible license according to the Free Software Foundation.
  I changed these mentions to be consistent with the Ruby license setting in the gemspec files which were already correct now.

## 2015-06-01 (1.8.3)
* Fix potential memory leak, thx to nobu.

## 2015-01-08 (1.8.2)
* Some performance improvements by Vipul A M <vipulnsward@gmail.com>.
* Fix by Jason R. Clark <jclark@newrelic.com> to avoid mutation of `JSON.dump_default_options`.
* More tests by Michael Mac-Vicar <mmacvicar@gmail.com> and fixing `space_before` accessor in generator.
* Performance on Jruby improved by Ben Browning <bbrownin@redhat.com>.
* Some fixes to be compatible with the new Ruby 2.2 by Zachary Scott <e@zzak.io>
and SHIBATA Hiroshi <hsbt@ruby-lang.org>.

## 2013-05-13 (1.8.1)
* Remove Rubinius exception since transcoding should be working now.

## 2013-05-13 (1.8.0)
* Fix https://github.com/flori/json/issues/162 reported by Marc-Andre Lafortune <github_rocks@marc-andre.ca>. Thanks!
* Applied patches by Yui NARUSE <naruse@airemix.jp> to suppress warning with -Wchar-subscripts and better validate UTF-8 strings.
* Applied patch by ginriki@github to remove unnecessary if.
* Add load/dump interface to `JSON::GenericObject` to make
  serialize :some_attribute, `JSON::GenericObject`
  work in Rails active models for convenient `SomeModel#some_attribute.foo.bar` access to serialised JSON data.

## 2013-02-04 (1.7.7)
* Security fix for JSON create_additions default value and
  `JSON::GenericObject`. It should not be possible to create additions unless explicitly requested by setting the create_additions argument to true or using the JSON.load/dump interface. If `JSON::GenericObject` is supposed to be automatically deserialised, this has to be explicitly enabled by setting
  JSON::GenericObject.json_creatable = true
  as well.
* Remove useless assert in fbuffer implementation.
* Apply patch attached to https://github.com/flori/json/issues#issue/155 provided by John Shahid <jvshahid@gmail.com>, Thx!
* Add license information to rubygems spec data, reported by Jordi Massaguer Pla <jmassaguerpla@suse.de>.
* Improve documentation, thx to Zachary Scott <zachary@zacharyscott.net>.

## 2012-11-29 (1.7.6)
* Add `GeneratorState#merge` alias for JRuby, fix state accessor methods. Thx to jvshahid@github.
* Increase hash likeness of state objects.

## 2012-08-17 (1.7.5)
* Fix compilation of extension on older rubies.

## 2012-07-26 (1.7.4)
* Fix compilation problem on AIX, see https://github.com/flori/json/issues/142

## 2012-05-12 (1.7.3)
* Work around Rubinius encoding issues using iconv for conversion instead.

## 2012-05-11 (1.7.2)
* Fix some encoding issues, that cause problems for the pure and the extension variant in jruby 1.9 mode.
## 2012-04-28 (1.7.1)
* Some small fixes for building

## 2012-04-28 (1.7.0)
* Add `JSON::GenericObject` for method access to objects transmitted via JSON.

## 2012-04-27 (1.6.7)
* Fix possible crash when trying to parse nil value.

## 2012-02-11 (1.6.6)
* Propagate src encoding to values made from it (fixes 1.9 mode converting everything to ascii-8bit; harmless for 1.8 mode too) (Thomas E. Enebo <tom.enebo@gmail.com>), should fix https://github.com/flori/json/issues#issue/119.
* Fix https://github.com/flori/json/issues#issue/117

## 2012-01-15 (1.6.5)
* Vit Ondruch <v.ondruch@tiscali.cz> reported a bug that shows up when using optimisation under GCC 4.7. Thx to him, Bohuslav Kabrda <bkabrda@redhat.com> and Yui NARUSE <naruse@airemix.jp> for debugging and developing a patch fix.

## 2011-12-24 (1.6.4)
* Patches that improve speed on JRuby contributed by Charles Oliver Nutter <headius@headius.com>.
* Support `object_class`/`array_class` with duck typed hash/array.

## 2011-12-01 (1.6.3)
* Let `JSON.load('')` return nil as well to make mysql text columns (default to `''`) work better for serialization.

## 2011-11-21 (1.6.2)
* Add support for OpenStruct and BigDecimal.
* Fix bug when parsing nil in `quirks_mode`.
* Make JSON.dump and JSON.load methods better cooperate with Rails' serialize method. Just use:
  ```ruby
  serialize :value, JSON
  ```
* Fix bug with time serialization concerning nanoseconds. Thanks for the patch go to Josh Partlow (jpartlow@github).
* Improve parsing speed for JSON numbers (integers and floats) in a similar way to what Evan Phoenix <evan@phx.io> suggested in:
  https://github.com/flori/json/pull/103

## 2011-09-18 (1.6.1)
* Using -target 1.5 to force Java bits to compile with 1.5.
## 2011-09-12 (1.6.0)
* Extract utilities (prettifier and GUI-editor) in its own gem json-utils.
* Split json/add/core into different files for classes to be serialised.

## 2011-08-31 (1.5.4)
* Fix memory leak when used from multiple JRuby. (Patch by jfirebaugh@github).
* Apply patch by Eric Wong <nocode@yhbt.net> that fixes garbage collection problem reported in https://github.com/flori/json/issues/46.
* Add :quirks_mode option to parser and generator.
* Add support for Rational and Complex number additions via json/add/complex and json/add/rational requires.

## 2011-06-20 (1.5.3)
* Alias State#configure method as State#merge to increase duck type synonymy with Hash.
* Add `as_json` methods in json/add/core, so rails can create its json objects the new way.

## 2011-05-11 (1.5.2)
* Apply documentation patch by Cory Monty <cory.monty@gmail.com>.
* Add gemspecs for json and json\_pure.
* Fix bug in jruby pretty printing.
* Fix bug in `object_class` and `array_class` when inheriting from Hash or Array.

## 2011-01-24 (1.5.1)
* Made rake-compiler build a fat binary gem. This should fix issue https://github.com/flori/json/issues#issue/54.

## 2011-01-22 (1.5.0)
* Included Java source codes for the Jruby extension made by Daniel Luz <dev@mernen.com>.
* Output full exception message of `deep_const_get` to aid debugging.
* Fixed an issue with ruby 1.9 `Module#const_defined?` method, that was reported by Riley Goodside.

## 2010-08-09 (1.4.6)
* Fixed oversight reported in http://github.com/flori/json/issues/closed#issue/23, always create a new object from the state prototype.
* Made pure and ext api more similar again.

## 2010-08-07 (1.4.5)
* Manage data structure nesting depth in state object during generation. This should reduce problems with `to_json` method definitions that only have one argument.
* Some fixes in the state objects and additional tests.

## 2010-08-06 (1.4.4)
* Fixes crashes described in http://github.com/flori/json/issues/closed#issue/21 and
  http://github.com/flori/json/issues/closed#issue/23

## 2010-05-05 (1.4.3)
* Fixed some test assertions, from Ruby r27587 and r27590, patch by nobu.
* Fixed issue http://github.com/flori/json/issues/#issue/20 reported by
electronicwhisper@github. Thx!

## 2010-04-26 (1.4.2)
* Applied patch from naruse Yui NARUSE <naruse@airemix.com> to make building with
  Microsoft Visual C possible again.
* Applied patch from devrandom <c1.github@niftybox.net> in order to allow building of
  json_pure if extensiontask is not present.
* Thanks to Dustin Schneider <dustin@stocktwits.com>, who reported a memory
  leak, which is fixed in this release.
* Applied 993f261ccb8f911d2ae57e9db48ec7acd0187283 patch from josh@github.

## 2010-04-25 (1.4.1)
* Fix for a bug reported by Dan DeLeo <dan@kallistec.com>, caused by T_FIXNUM
  being different on 32bit/64bit architectures.

## 2010-04-23 (1.4.0)
* Major speed improvements and building with simplified
  directory/file-structure.
* Extension should at least be compatible with MRI, YARV and Rubinius.

## 2010-04-07 (1.2.4)
* Triger const_missing callback to make Rails' dynamic class loading work.

## 2010-03-11 (1.2.3)
* Added a 'State#[]' method which returns an attribute's value in order to
  increase duck type compatibility to Hash.

## 2010-02-27 (1.2.2)
* Made some changes to make the building of the parser/generator compatible
  to Rubinius.

## 2009-11-25 (1.2.1)
* Added `:symbolize_names` option to Parser, which returns symbols instead of
  strings in object names/keys.

## 2009-10-01 (1.2.0)
* `fast_generate` now raises an exception for nan and infinite floats.
* On Ruby 1.8 json supports parsing of UTF-8, UTF-16BE, UTF-16LE, UTF-32BE,
  and UTF-32LE JSON documents now. Under Ruby 1.9 the M17n conversion
  functions are used to convert from all supported encodings. ASCII-8BIT
  encoded strings are handled like all strings under Ruby 1.8 were.
* Better documentation
## 2009-08-23 (1.1.9)
* Added forgotten main doc file `extra_rdoc_files`.

## 2009-08-23 (1.1.8)
* Applied a patch by OZAWA Sakuro <sakuro@2238club.org> to make json/pure work in environments that don't provide iconv.
* Applied patch by okkez_ in order to fix Ruby Bug #1768:
* Finally got around to avoid the rather paranoid escaping of `?/` characters in the generator's output. The parsers aren't affected by this change.
  Thanks to Rich Apodaca <rapodaca@metamolecular.com> for the suggestion.

## 2009-06-29 (1.1.7)
* Security Fix for JSON::Pure::Parser. A specially designed string could cause catastrophic backtracking in one of the parser's regular expressions in earlier 1.1.x versions. JSON::Ext::Parser isn't affected by this issue.
  Thanks to Bartosz Blimke <bartosz@new-bamboo.co.uk> for reporting this problem.
* This release also uses a less strict ruby version requirement for the creation of the mswin32 native gem.

## 2009-05-10 (1.1.6)
* No changes. tested native linux gems in the last release and they don't play well with different ruby versions other than the one the gem was built with. This release is just to bump the version number in order to skip the native gem on rubyforge.

## 2009-05-10 (1.1.5)
* Started to build gems with rake-compiler gem.
* Applied patch object/array class patch from Brian Candler <B.Candler@pobox.com> and fixes.

## 2009-04-01 (1.1.4)
* Fixed a bug in the creation of serialized generic rails objects reported by Friedrich Graeter <graeter@hydrixos.org>.
* Deleted tests/runner.rb, we're using testrb instead.
* Editor supports Infinity in numbers now.
* Made some changes in order to get the library to compile/run under Ruby 1.9.
* Improved speed of the code path for the fast_generate method in the pure variant.

## 2008-07-10 (1.1.3)
* Wesley Beary <monki@geemus.com> reported a bug in json/add/core's DateTime handling: If the nominator and denominator of the offset were divisible by each other Ruby's Rational#to_s returns them as an integer not a fraction with '/'.
  This caused a ZeroDivisionError during parsing.
* Use Date#start and DateTime#start instead of sg method, while
remaining backwards compatible.
* Supports ragel >= 6.0 now.
* Corrected some tests.
* Some minor changes.

## 2007-11-27 (1.1.2)
* Remember default dir (last used directory) in editor.
* JSON::Editor.edit method added, the editor can now receive json texts from the clipboard via C-v.
* Load json texts from an URL pasted via middle button press.
* Added :create_additions option to Parser. This makes it possible to disable the creation of additions by force, in order to treat json texts as data while having additions loaded.
* Jacob Maine <jmaine@blurb.com> reported, that JSON(:foo) outputs a JSON object if the rails addition is enabled, which is wrong. It now outputs a JSON string "foo" instead, like suggested by Jacob Maine.
* Discovered a bug in the Ruby Bugs Tracker on rubyforge, that was reported by John Evans lgastako@gmail.com. He could produce a crash in the JSON generator by returning something other than a String instance from a to_json method. I now guard against this by doing a rather crude type check, which raises an exception instead of crashing.

## 2007-07-06 (1.1.1)
* Yui NARUSE <naruse@airemix.com> sent some patches to fix tests for Ruby 1.9. I applied them and adapted some of them a bit to run both on 1.8 and 1.9.
* Introduced a `JSON.parse!` method without depth checking for people who like danger.
* Made generate and `pretty_generate` methods configurable by an options hash.
* Added :allow_nan option to parser and generator in order to handle NaN, Infinity, and -Infinity correctly - if requested. Floats, which aren't numbers, aren't valid JSON according to RFC4627, so by default an exception will be raised if any of these symbols are encountered. Thanks to Andrea Censi <andrea.censi@dis.uniroma1.it> for his hint about this.
* Fixed some more tests for Ruby 1.9.
* Implemented dump/load interface of Marshal as suggested in ruby-core:11405 by murphy <murphy@rubychan.de>.
* Implemented the `max_nesting` feature for generate methods, too.
* Added some implementations for ruby core's custom objects for serialisation/deserialisation purposes.

## 2007-05-21 (1.1.0)
* Implemented max_nesting feature for parser to avoid stack overflows for data from untrusted sources. If you trust the source, you can disable it with the option max_nesting => false.
* Piers Cawley <pdcawley@bofh.org.uk> reported a bug, that not every character can be escaped by `\` as required by RFC4627. There's a contradiction between David Crockford's JSON checker test vectors (in
tests/fixtures) and RFC4627, though. I decided to stick to the RFC, because
the JSON checker seems to be a bit older than the RFC.
* Extended license to Ruby License, which includes the GPL.
* Added keyboard shortcuts, and 'Open location' menu item to edit_json.rb.

## 2007-05-09 (1.0.4)
* Applied a patch from Yui NARUSE <naruse@airemix.com> to make JSON compile
  under Ruby 1.9. Thank you very much for mailing it to me!
* Made binary variants of JSON fail early, instead of falling back to the
  pure version. This should avoid overshadowing of eventual problems while
  loading of the binary.

## 2007-03-24 (1.0.3)
* Improved performance of pure variant a bit.
* The ext variant of this release supports the mswin32 platform. Ugh!

## 2007-03-24 (1.0.2)
* Ext Parser didn't parse 0e0 correctly into 0.0: Fixed!

## 2007-03-24 (1.0.1)
* Forgot some object files in the build dir. I really like that - not!

## 2007-03-24 (1.0.0)
* Added C implementations for the JSON generator and a ragel based JSON
  parser in C.
* Much more tests, especially fixtures from json.org.
* Further improved conformance to RFC4627.

## 2007-02-09 (0.4.3)
* Conform more to RFC4627 for JSON: This means JSON strings
  now always must contain exactly one object `"{ ... }"` or array `"[ ... ]"`
  in order to be parsed without raising an exception. The definition of what
  constitutes a whitespace is narrower in JSON than in Ruby (`\t\r\n\`), and
  there are differences in floats and integers (no octals or hexadecimals) as
  well.
* Added aliases generate and `pretty_generate` of unparse and `pretty_unparse`.
* Fixed a test case.
* Catch an `Iconv::InvalidEncoding` exception, that seems to occur on some Sun
  boxes with SunOS 5.8, if iconv doesn't support utf16 conversions. This was
  reported by Andrew R Jackson <andrewj@bcm.tmc.edu>, thanks a bunch!

## 2006-08-25 (0.4.2)
* Fixed a bug in handling solidi (/ characters), that was reported by
  Kevin Gilpin <kevin.gilpin@alum.mit.edu>.

## 2006-02-06 (0.4.1)
* Fixed a bug related to escaping with backslashes. Thanks for the report go
  to Florian Munz <surf@theflow.de>. 

## 2005-09-23 (0.4.0)

* Initial Rubyforge Version

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/* Portions of the Selector class are derived from Jack Slocum’s DomQuery,
part of YUI-Ext version 0.40, distributed under the terms of an MIT-style
license. Please see http://www.yui-ext.com/ for more information. */

No license file was found, but licenses were detected in source scan.

/*
* This code is copyrighted work by Daniel Luz <dev at mernen dot com>.
* Distributed under the Ruby license: https://www.ruby-lang.org/en/about/license.txt
*/
1.6013 libxdmcp 1:1.1.2 3

1.6013.1 Available under license:

This package was downloaded from
http://xorg.freedesktop.org/releases/individual/lib/

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1.6014 init-package-json 1.10.1

1.6014.1 Available under license:
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1.6015 libaudit-common 1:2.8.4-3

1.6015.1 Available under license:
Format: https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: auditd
Source: https://people.redhat.com/sgrubb/audit/

Files: *
Copyright: 2012-2016 Steve Grubb <sgrubb@redhat.com>
2006-2012 Rik Faith
License: GPL-2

Files: src/libev/*
Copyright: 2007-2009 Marc Alexander Lehmann
License: GPL-2

Files: lib/*
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Files: debian/*
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2012-2016 Laurent Bigonville <bigon@debian.org>
License: GPL-2

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1.6016 https-proxy-agent 2.2.1
1.6016.1 Available under license:
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https-proxy-agent

================
### An HTTP(s) proxy `http.Agent` implementation for HTTPS
[![Build Status](https://travis-ci.org/TooTallNate/node-https-proxy-agent.svg?branch=master)](https://travis-ci.org/TooTallNate/node-https-proxy-agent)

This module provides an `http.Agent` implementation that connects to a specified HTTP or HTTPS proxy server, and can be used with the built-in `https` module.

Specifically, this `Agent` implementation connects to an intermediary "proxy" server and issues the [CONNECT HTTP method][CONNECT], which tells the proxy to open a direct TCP connection to the destination server.

Since this agent implements the CONNECT HTTP method, it also works with other
protocols that use this method when connecting over proxies (i.e. WebSockets). See the "Examples" section below for more.

Installation
----------

Install with `npm`:

```bash
$ npm install https-proxy-agent
```

Examples
-------

#### `https` module example

```js
var url = require('url');
var https = require('https');
var HttpsProxyAgent = require('https-proxy-agent');

// HTTP/HTTPS proxy to connect to
var proxy = process.env.http_proxy || 'http://168.63.76.32:3128';
console.log('using proxy server %j', proxy);

// HTTPS endpoint for the proxy to connect to
console.log('attempting to GET %j', endpoint);
var options = url.parse(endpoint);

// create an instance of the `HttpsProxyAgent` class with the proxy server information
var agent = new HttpsProxyAgent(proxy);
options.agent = agent;

https.get(options, function (res) {
    console.log("response" event!", res.headers);
    res.pipe(process.stdout);
});
```

#### `ws` WebSocket connection example

```js
var url = require('url');
var WebSocket = require('ws');
```
var HttpsProxyAgent = require('https-proxy-agent');

// HTTP/HTTPS proxy to connect to
var proxy = process.env.http_proxy || 'http://168.63.76.32:3128';
console.log('using proxy server %j', proxy);

// WebSocket endpoint for the proxy to connect to
var endpoint = process.argv[2] || 'ws://echo.websocket.org';
var parsed = url.parse(endpoint);
console.log('attempting to connect to WebSocket %j', endpoint);

// create an instance of the `HttpsProxyAgent` class with the proxy server information
var options = url.parse(proxy);

var agent = new HttpsProxyAgent(options);

// finally, initiate the WebSocket connection
var socket = new WebSocket(endpoint, { agent: agent });

socket.on('open', function () {
    console.log("open" event!);
    socket.send('hello world');
});

socket.on('message', function (data, flags) {
    console.log("message" event! %j %j", data, flags);
    socket.close();
});

API
---

### new HttpsProxyAgent(Object options)

The `HttpsProxyAgent` class implements an `http.Agent` subclass that connects to the specified "HTTP(s) proxy server" in order to proxy HTTPS and/or WebSocket requests. This is achieved by using the [HTTP `CONNECT` method][CONNECT].

The `options` argument may either be a string URI of the proxy server to use, or an "options" object with more specific properties:

* `host` - String - Proxy host to connect to (may use `hostname` as well). Required.
* `port` - Number - Proxy port to connect to. Required.
* `secureProxy` - Boolean - If `true`, then use TLS to connect to the proxy. Defaults to `false`.
* `headers` - Object - Additional HTTP headers to be sent on the HTTP CONNECT method.
* Any other options given are passed to the `net.connect()`/`tls.connect()` functions.
License
-------

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[CONNECT]: http://en.wikipedia.org/wiki/HTTP_tunnel#HTTP_CONNECT_Tunneling

Found in path(s):
*/opt/cola/permits/1110633836_1606844108.26/0/https-proxy-agent-2-2-1-3-tgz/package/README.md

1.6017 distlib 0.3.1

1.6017.1 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 (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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3.2   3.1   2010  PSF  yes

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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!

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Subject: Re: XZ utils for Debian
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visibility.m4 serial 1 (gettext-0.15),
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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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Oleg Smolsky <oleg.smolsky@gmail.com>
* MS Visual Studio error format option.
* Detect unordered_map in stl_hash.m4.

Brian Olson <brianolson@google.com>
* gzip/zlib I/O support.

Michael Poole <mdpoole@troilus.org>
* Fixed warnings about generated constructors not explicitly initializing all fields (only present with certain compiler settings).
* Added generation of field number constants.

Wink Saville <wink@google.com>
* Fixed initialization ordering problem in logging code.

Will Pierce <willp@nuclei.com>
* Small patch improving performance of in Python serialization.

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 <xarthiusis.kk@gmail.com>
* Fixed m4/acx_pthread.m4 problem for some Linux distributions.

William Orr <will@worrbase.com>
* Fixed detection of sched_yield on Solaris.
* Added atomicops for Solaris

Andrew Paprocki <andrew@ishiboo.com>
* Fixed minor IBM xCl compiler build issues
* Added atomicops for AIX (POWER)

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1.6043 python 3.5.2-2ubuntu0~16.04.10

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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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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.
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* /opt/cola/permits/1111265539_1606892637.68/0/spring-context-3-2-8-release-sources-1-jar/org/springframework/cache/concurrent/ConcurrentMapCacheManager.java

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/**
 * @link FactoryBean] that obtains a WebSphere [ @link javax.management.MBeanServer]
 * reference through WebSphere's proprietary [ @code AdminServiceFactory] API,
 * available on WebSphere 5.1 and higher.
 *
 * <p>Exposes the [@code MBeanServer] for bean references.
 * This FactoryBean is a direct alternative to [@link MBeanServerFactoryBean],
 * which uses standard JMX 1.2 API to access the platform's MBeanServer.
 *
 *
 * @author Juergen Hoeller
 * @author Rob Harrop
 * @since 2.0.3
 * @see javax.management.MBeanServer
 * @see MBeanServerFactoryBean
 */
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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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2.2 and above  2.1.1  2001-now  PSF  yes

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* /opt/ws_local/PERMITS_SQL/1028498123_1594213387.34/0/inspektr-error-1-0-7-ga-sources-
jar/com/github/inspektr/error/ErrorReporter.java
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* /opt/ws_local/PERMITS_SQL/1028498123_1594213387.34/0/inspektr-error-1-0-7-ga-sources-
jar/com/github/inspektr/error/ErrorLogManager.java

1.6065 escape-string-regexp 1.0.2

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@author Vincent Rijmen <vincent.rijmen@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.

(GEnie : OUTER; CIS : [71755,204]) Graven Imagery, 1992.

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Windows support

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lib/hcrypto/test_dh.c

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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DRuntime: Runtime Library for the D Programming Language

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@settitle GNU General Public License
@c man begin SEEALSO
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This is an attempt to acknowledge early contributions to the garbage
collector. Later contributions should instead be mentioned in
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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 (dossersr.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@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de) and Brian D. Carlstrom (bde@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied Linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(aglec@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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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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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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That's all there is to it!
GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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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

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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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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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1.6085 libsepol 2.7-1

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1.6086 fd-slicer 1.0.1
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1.6087 npm-package-arg 5.1.2

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1.6088 dont-sniff-mimetype 1.0.0

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1.6089 coverage 5.0.1

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Coverage.py was originally written by Gareth Rees, and since 2004 has been extended and maintained by Ned Batchelder.

Other contributions, including writing code, updating docs, and submitting useful bug reports, have been made by:

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1.6092 jersey-bean-validation 2.19

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1.6105 openssh-sftp-server 8.3_p1-r2

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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1.6117 lualibs 5.2.4-r7

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1.6118 lodash.reduce 4.5.0
1.6118.1 Available under license:

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1.6119 python-setuptools 20.7.0

1.6119.1 Available under license:

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* /opt/cola/permits/1113224970_1607387370.26/0/setuptools-20-7-0-1-tar-gz/setuptools-20.7.0/pkg_resources/_vendor/packaging/requirements.py
* /opt/cola/permits/1113224970_1607387370.26/0/setuptools-20-7-0-1-tar-gz/setuptools-20.7.0/pkg_resources/_vendor/packaging/__about__.py
* /opt/cola/permits/1113224970_1607387370.26/0/setuptools-20-7-0-1-tar-gz/setuptools-20.7.0/pkg_resources/_vendor/packaging/__init__.py
* /opt/cola/permits/1113224970_1607387370.26/0/setuptools-20-7-0-1-tar-gz/setuptools-20.7.0/pkg_resources/_vendor/packaging/version.py
* /opt/cola/permits/1113224970_1607387370.26/0/setuptools-20-7-0-1-tar-gz/setuptools-20.7.0/pkg_resources/_vendor/packaging/
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Metadata-Version: 1.1
Name: setuptools
Version: 20.7.0
Summary: Easily download, build, install, upgrade, and uninstall Python packages
Home-page: https://github.com/pypa/setuptools
Author: Python Packaging Authority
Author-email: distutils-sig@python.org
License: UNKNOWN
Description: ================

Installing and Using Setuptools

```
.. contents:: **Table of Contents**

`Change History <https://pythonhosted.org/setuptools/history.html>`_.

Installation Instructions

The recommended way to bootstrap setuptools on any system is to download
`ez_setup.py` and run it using the target Python environment. Different
operating systems have different recommended techniques to accomplish this
basic routine, so below are some examples to get you started.

Setuptools requires Python 2.6 or later. To install setuptools
on Python 2.4 or Python 2.5, use the `bootstrap script for Setuptools 1.x`

The link provided to ez_setup.py is a bookmark to bootstrap script for the
latest known stable release.

.. _ez_setup.py: https://bootstrap.pypa.io/ez_setup.py

Windows (Powershell 3 or later)
For best results, uninstall previous versions FIRST (see `Uninstalling`).

Using Windows 8 (which includes PowerShell 3) or earlier versions of Windows with PowerShell 3 installed, it's possible to install with one simple Powershell command. Start up Powershell and paste this command:

```powershell
> (Invoke-WebRequest https://bootstrap.pypa.io/ez_setup.py).Content | python -
```

You must start the Powershell with Administrative privileges or you may choose to install a user-local installation:

```powershell
> (Invoke-WebRequest https://bootstrap.pypa.io/ez_setup.py).Content | python - --user
```

If you have Python 3.3 or later, you can use the ``py`` command to install to different Python versions. For example, to install to Python 3.3 if you have Python 2.7 installed:

```powershell
> (Invoke-WebRequest https://bootstrap.pypa.io/ez_setup.py).Content | py -3 -
```

The recommended way to install setuptools on Windows is to download `ez_setup.py` and run it. The script will download the appropriate distribution file and install it for you.

Once installation is complete, you will find an `easy_install` program in your Python Scripts subdirectory. For simple invocation and best results, add this directory to your `PATH` environment variable, if it is not already present. If you did a user-local install, the Scripts subdirectory is "$env:APPDATA\Python\Scripts".

Windows (simplified)
====================

For Windows without PowerShell 3 or for installation without a command-line, download `ez_setup.py` using your preferred web browser or other technique and "run" that file.

Unix (wget)
===========

Most Linux distributions come with wget.

Download `ez_setup.py` and run it using the target Python version. The script will download the appropriate version and install it for you:

```bash
> wget https://bootstrap.pypa.io/ez_setup.py -O - | python
```
Note that you will may need to invoke the command with superuser privileges to install to the system Python::

```
> wget https://bootstrap.pypa.io/ez_setup.py -O - | sudo python
```

Alternatively, Setuptools may be installed to a user-local path::

```
> wget https://bootstrap.pypa.io/ez_setup.py -O - | python - --user
```

Note that on some older systems (noted on Debian 6 and CentOS 5 installations), `wget` may refuse to download `ez_setup.py`, complaining that the certificate common name `*.c.ssl.fastly.net` does not match the host name `bootstrap.pypa.io`. In addition, the `ez_setup.py` script may then encounter similar problems using `wget` internally to download `setuptools-x.y.zip`, complaining that the certificate common name of `www.python.org` does not match the host name `pypi.python.org`. Those are known issues, related to a bug in the older versions of `wget` (see Issue 59 <https://bitbucket.org/pypa/pypi/issue/59#comment-5881915>). If you happen to encounter them, install Setuptools as follows::

```
> wget --no-check-certificate https://bootstrap.pypa.io/ez_setup.py
> python ez_setup.py --insecure
```

Unix including Mac OS X (curl)

```
--------------------
```

If your system has curl installed, follow the `wget` instructions but replace `wget` with `curl` and `-O` with `--o`. For example::

```
> curl https://bootstrap.pypa.io/ez_setup.py -o - | python
```

Advanced Installation

```
--------------------
```

For more advanced installation options, such as installing to custom locations or prefixes, download and extract the source tarball from `Setuptools on PyPI <https://pypi.python.org/pypi/setuptools>`_ and run setup.py with any supported distutils and Setuptools options. For example::

```
setuptools-x.x$ python setup.py install --prefix=/opt/setuptools
```

Use `--help` to get a full options list, but we recommend consulting the `EasyInstall manual`_ for detailed instructions, especially `the section on custom installation locations`_.

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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 60421
Downloads

All setuptools downloads can be found at `the project's home page in the Python Package Index`_. Scroll to the very bottom of the page to find the links.

In addition to the PyPI downloads, the development version of `setuptools` is available from the `Bitbucket repo`_, and in-development versions of the `0.6 branch`_ are available as well.

Uninstalling

On Windows, if Setuptools was installed using an `.exe` or `.msi` installer, simply use the uninstall feature of "Add/Remove Programs" in the Control Panel.

Otherwise, to uninstall Setuptools or Distribute, regardless of the Python version, delete all `setuptools*` and `distribute*` files and directories from your system's `site-packages` directory (and any other `sys.path` directories) FIRST.

If you are upgrading or otherwise plan to re-install Setuptools or Distribute, nothing further needs to be done. If you want to completely remove Setuptools, you may also want to remove the 'easy_install' and 'easy_install-x.x' scripts and associated executables installed to the Python scripts directory.

Using Setuptools and EasyInstall

Here are some of the available manuals, tutorials, and other resources for learning about Setuptools, Python Eggs, and EasyInstall:

* `The EasyInstall user's guide and reference manual`_
* `The setuptools Developer's Guide`_
* `The pkg_resources API reference`_
Questions, comments, and bug reports should be directed to the `distutils-sig mailing list`_. If you have written (or know of) any tutorials, documentation, plug-ins, or other resources for setuptools users, please let us know about them there, so this reference list can be updated. If you have working, *tested* patches to correct problems or add features, you may submit them to the `setuptools bug tracker`_.

.. _setuptools bug tracker: https://github.com/pypa/setuptools/issues
.. _The Internal Structure of Python Eggs: https://pythonhosted.org/setuptools/formats.html
.. _The pkg_resources API reference: https://pythonhosted.org/setuptools/pkg_resources.html
.. _The EasyInstall user's guide and reference manual: https://pythonhosted.org/setuptools/easy_install.html
.. _distutils-sig mailing list: http://mail.python.org/pipermail/distutils-sig/

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Credits
-------

* The original design for the ``.egg`` format and the ``pkg_resources`` API was co-created by Phillip Eby and Bob Ippolito. Bob also implemented the first version of ``pkg_resources``, and supplied the OS X operating system version compatibility algorithm.

* Ian Bicking implemented many early "creature comfort" features of easy_install, including support for downloading via Sourceforge and Subversion repositories. Ian's comments on the Web-SIG about WSGI application deployment also inspired the concept of "entry points" in eggs, and he has given talks at PyCon and elsewhere to inform and educate the community about eggs and setuptools.

* Jim Fulton contributed time and effort to build automated tests of various aspects of ``easy_install``, and supplied the doctests for the command-line ``.exe`` wrappers on Windows.

* Phillip J. Eby is the seminal author of setuptools, and first proposed the idea of an importable binary distribution format for Python application plug-ins.

* Significant parts of the implementation of setuptools were funded by the Open Source Applications Foundation, to provide a plug-in infrastructure for the Chandler PIM application. In addition, many OSAF staffers (such as Mike "Code Bear" Taylor) contributed their time and stress as guinea pigs for the use of eggs and setuptools, even before eggs were "cool". (Thanks, guys!)

* Tarek Ziad is the principal author of the Distribute fork, which
re-invigorated the community on the project, encouraged renewed innovation, and addressed many defects.

* Since the merge with Distribute, Jason R. Coombs is the maintainer of setuptools. The project is maintained in coordination with the Python Packaging Authority (PyPA) and the larger Python community.

.. _files:
---------------
Code of Conduct
---------------

Everyone interacting in the setuptools project's codebases, issue trackers, chat rooms, and mailing lists is expected to follow the 'PyPA Code of Conduct'_.


Keywords: CPAN PyPI distutils eggs package management
Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: MIT License
Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python :: 2.6
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3
Classifier: Programming Language :: Python :: 3.3
Classifier: Programming Language :: Python :: 3.4
Classifier: Programming Language :: Python :: 3.5
Classifier: Topic :: Software Development :: Libraries :: Python Modules
Classifier: Topic :: System :: Archiving :: Packaging
Classifier: Topic :: System :: Systems Administration
Classifier: Topic :: Utilities

Found in path(s):
* /opt/cola/permits/1113224970_1607387370.26/0/setuptools-20-7-0-1-tar-gz/setuptools-20.7.0/PKG-INFO
* /opt/cola/permits/1113224970_1607387370.26/0/setuptools-20-7-0-1-tar-gz/setuptools-20.7.0/setuptools.egg-info/PKG-INFO

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``Setuptools`` is a collection of enhancements to the Python ``distutils`` (for Python 2.6 and up) that allow developers to more easily build and distribute Python packages, especially ones that have dependencies on other packages.

Packages built and distributed using ``setuptools`` look to the user like ordinary Python packages based on the ``distutils``. Your users don't need to install or even know about setuptools in order to use them, and you don't have to include the entire setuptools package in your distributions. By including just a single `bootstrap module` (a 12K .py file), your package will automatically download and install setuptools if the user is building your package from source and doesn't have a suitable version already installed.

.. _bootstrap module: https://bootstrap.pypa.io/ez_setup.py

Feature Highlights:

* Automatically find/download/install/upgrade dependencies at build time using the `EasyInstall tool <easy_install.html>`_, which supports downloading via HTTP, FTP, Subversion, and SourceForge, and automatically scans web pages linked from PyPI to find download links. (It's the closest thing to CPAN currently available for Python.)

* Create `Python Eggs <http://peak.telecommunity.com/DevCenter/PythonEggs>`_ - a single-file importable distribution format

* Enhanced support for accessing data files hosted in zipped packages.

* Automatically include all packages in your source tree, without listing them individually in setup.py

* Automatically include all relevant files in your source distributions, without needing to create a `MANIFEST.in` file, and without having to force regeneration of the `MANIFEST` file when your source tree changes.

* Automatically generate wrapper scripts or Windows (console and GUI) .exe
files for any number of "main" functions in your project. (Note: this is not a py2exe replacement; the .exe files rely on the local Python installation.)

* Transparent Pyrex support, so that your setup.py can list `.pyx` files and still work even when the end-user doesn't have Pyrex installed (as long as you include the Pyrex-generated C in your source distribution)

* Command aliases - create project-specific, per-user, or site-wide shortcut names for commonly used commands and options

* PyPI upload support - upload your source distributions and eggs to PyPI

* Deploy your project in "development mode", such that it's available on `sys.path`, yet can still be edited directly from its source checkout.

* Easily extend the distutils with new commands or `setup()` arguments, and distribute/reuse your extensions for multiple projects, without copying code.

* Create extensible applications and frameworks that automatically discover extensions, using simple "entry points" declared in a project's setup script.

In addition to the PyPI downloads, the development version of ``setuptools`` is available from the `Python SVN sandbox`_, and in-development versions of the `0.6 branch`_ are available as well.

.. _0.6 branch: http://svn.python.org/projects/sandbox/branches/setuptools-0.6/#egg=setuptools-dev06

.. _Python SVN sandbox: http://svn.python.org/projects/sandbox/trunk/setuptools/#egg=setuptools-dev

.. contents:: **Table of Contents**

.. _ez_setup.py: `bootstrap module`_

------------------
Developer's Guide
------------------

Installing `setuptools`_

Please follow the `EasyInstall Installation Instructions`_ to install the current stable version of setuptools. In particular, be sure to read the section on `Custom Installation Locations`_ if you are installing anywhere other than Python's `site-packages` directory.
If you want the current in-development version of setuptools, you should first install a stable version, and then run:

```python
ez_setup.py setuptools==dev
```

This will download and install the latest development (i.e. unstable) version of setuptools from the Python Subversion sandbox.

Basic Use
==========

For basic use of setuptools, just import things from setuptools instead of the distutils. Here's a minimal setup script using setuptools:

```python
from setuptools import setup, find_packages
setup(
    name = "HelloWorld",
    version = "0.1",
    packages = find_packages(),
)
```

As you can see, it doesn't take much to use setuptools in a project. Run that script in your project folder, alongside the Python packages you have developed.

Invoke that script to produce eggs, upload to PyPI, and automatically include all packages in the directory where the setup.py lives. See the `Command Reference` section below to see what commands you can give to this setup script. For example, to produce a source distribution, simply invoke:

```bash
python setup.py sdist
```

Of course, before you release your project to PyPI, you'll want to add a bit more information to your setup script to help people find or learn about your project. And maybe your project will have grown by then to include a few dependencies, and perhaps some data files and scripts:

```python
from setuptools import setup, find_packages
setup(
    name = "HelloWorld",
    version = "0.1",
    packages = find_packages(),
    scripts = ['say_hello.py'],
)
# Project uses reStructuredText, so ensure that the docutils get installed or upgraded on the target machine
install_requires = ['docutils>=0.3'],

package_data = {
    # If any package contains *txt or *rst files, include them:
    '*.txt', '*.rst'],
    # And include any *.msg files found in the 'hello' package, too:
    'hello': ['*.msg'],
},

# metadata for upload to PyPI
author = "Me",
author_email = "me@example.com",
description = "This is an Example Package",
license = "PSF",
keywords = "hello world example examples",
url = "http://example.com/HelloWorld/",  # project home page, if any

# could also include long_description, download_url, classifiers, etc.
)

In the sections that follow, we'll explain what most of these `setup()` arguments do (except for the metadata ones), and the various ways you might use them in your own project(s).

### Specifying Your Project's Version

-------------------------------

Setuptools can work well with most versioning schemes; there are, however, a few special things to watch out for, in order to ensure that setuptools and EasyInstall can always tell what version of your package is newer than another version. Knowing these things will also help you correctly specify what versions of other projects your project depends on.

A version consists of an alternating series of release numbers and pre-release or post-release tags. A release number is a series of digits punctuated by dots, such as ``2.4`` or ``0.5``. Each series of digits is treated numerically, so releases ``2.1`` and ``2.1.0`` are different ways to spell the same release number, denoting the first subrelease of release 2. But ``2.10`` is the *tenth* subrelease of release 2, and so is a different and newer release from ``2.1`` or ``2.1.0``. Leading zeros within a series of digits are also ignored, so ``2.01`` is the same as ``2.1``, and different from ``2.0.1``.

Following a release number, you can have either a pre-release or post-release tag. Pre-release tags make a version be considered *older* than the version
they are appended to. So, revision ``2.4'' is *newer* than revision ``2.4c1'', which in turn is newer than ``2.4b1'' or ``2.4a1``. Postrelease tags make a version be considered *newer* than the version they are appended to. So, revisions like ``2.4-1'' and ``2.4p13'' are newer than ``2.4'', but are *older* than ``2.4.1'' (which has a higher release number).

A pre-release tag is a series of letters that are alphabetically before "final". Some examples of prerelease tags would include ``alpha'', ``beta'', ``a'', ``c'', ``dev'', and so on. You do not have to place a dot or dash before the prerelease tag if it's immediately after a number, but it's okay to do so if you prefer. Thus, ``2.4c1'' and ``2.4.c1'' and ``2.4-c1'' all represent release candidate 1 of version ``2.4'', and are treated as identical by setuptools.

In addition, there are three special prerelease tags that are treated as if they were the letter ``c'': ``pre'', ``preview'', and ``rc``. So, version ``2.4rc1'', ``2.4pre1'' and ``2.4preview1'' are all the exact same version as ``2.4c1'', and are treated as identical by setuptools.

A post-release tag is either a series of letters that are alphabetically greater than or equal to "final", or a dash (``-``). Post-release tags are generally used to separate patch numbers, port numbers, build numbers, revision numbers, or date stamps from the release number. For example, the version ``2.4-r1263'' might denote Subversion revision 1263 of a post-release patch of version ``2.4''. Or you might use ``2.4-20051127'' to denote a date-stamped post-release.

Notice that after each pre or post-release tag, you are free to place another release number, followed again by more pre- or post-release tags. For example, ``0.6a9.dev-r41475'' could denote Subversion revision 41475 of the in-development version of the ninth alpha of release 0.6. Notice that ``dev'' is a pre-release tag, so this version is a *lower* version number than ``0.6a9'', which would be the actual ninth alpha of release 0.6. But the ``-r41475'' is a post-release tag, so this version is *newer* than ``0.6a9.dev``.

For the most part, setuptools' interpretation of version numbers is intuitive, but here are a few tips that will keep you out of trouble in the corner cases:

* Don't stick adjoining pre-release tags together without a dot or number between them. Version ``1.9adev'' is the ``adev'' prerelease of ``1.9'', *not* a development pre-release of ``1.9a``. Use ``.dev`` instead, as in ``1.9a.dev'', or separate the prerelease tags with a number, as in ``1.9a0dev'' or ``1.9a.dev'' or ``1.9a0.dev'' and even ``1.9.a.dev'' are identical versions from setuptools' point of view, so you can use whatever scheme you prefer.

* If you want to be certain that your chosen numbering scheme works the way you think it will, you can use the ``pkg_resources.parse_version()`` function
to compare different version numbers:

```python
>>> from pkg_resources import parse_version
>>> parse_version('1.9.a.dev') == parse_version('1.9a0dev')
True
>>> parse_version('2.1-rc2') < parse_version('2.1')
True
>>> parse_version('0.6a9dev-r41475') < parse_version('0.6a9')
True
```

Once you've decided on a version numbering scheme for your project, you can have setuptools automatically tag your in-development releases with various pre- or post-release tags. See the following sections for more details:

* "Tagging and "Daily Build" or "Snapshot" Releases"
* "Managing "Continuous Releases" Using Subversion"
* The `egg_info` command

New and Changed `setup()` Keywords
====================================

The following keyword arguments to `setup()` are added or changed by `setuptools`. All of them are optional; you do not have to supply them unless you need the associated `setuptools` feature.

``include_package_data``
If set to `True`, this tells `setuptools` to automatically include any data files it finds inside your package directories that are specified by your `MANIFEST.in` file. For more information, see the section below on `Including Data Files`.

``exclude_package_data``
A dictionary mapping package names to lists of glob patterns that should be *excluded* from your package directories. You can use this to trim back any excess files included by `include_package_data`. For a complete description and examples, see the section below on `Including Data Files`.

``package_data``
A dictionary mapping package names to lists of glob patterns. For a complete description and examples, see the section below on `Including Data Files`. You do not need to use this option if you are using `include_package_data`, unless you need to add e.g. files that are generated by your setup script and build process. (And are therefore not in source control or are files that you don't want to include in your source distribution.)

``zip_safe``
A boolean (True or False) flag specifying whether the project can be safely installed and run from a zip file. If this argument is not supplied, the `bdist_egg` command will have to analyze all of your project's contents for possible problems each time it builds an egg.

``install_requires``
A string or list of strings specifying what other distributions need to be installed when this one is. See the section below on 'Declaring Dependencies' for details and examples of the format of this argument.

``entry_points``
A dictionary mapping entry point group names to strings or lists of strings defining the entry points. Entry points are used to support dynamic discovery of services or plugins provided by a project. See 'Dynamic Discovery of Services and Plugins' for details and examples of the format of this argument. In addition, this keyword is used to support 'Automatic Script Creation'.

``extras_require``
A dictionary mapping names of "extras" (optional features of your project) to strings or lists of strings specifying what other distributions must be installed to support those features. See the section below on 'Declaring Dependencies' for details and examples of the format of this argument.

``setup_requires``
A string or list of strings specifying what other distributions need to be present in order for the *setup script* to run. `setuptools` will attempt to obtain these (even going so far as to download them using 'EasyInstall') before processing the rest of the setup script or commands. This argument is needed if you are using distutils extensions as part of your build process; for example, extensions that process setup() arguments and turn them into EGG-INFO metadata files.

(Note: projects listed in `setup_requires` will NOT be automatically installed on the system where the setup script is being run. They are simply downloaded to the ./.eggs directory if they’re not locally available already. If you want them to be installed, as well as being available when the setup script is run, you should add them to `install_requires` **and** `setup_requires`.)

``dependency_links``
A list of strings naming URLs to be searched when satisfying dependencies. These links will be used if needed to install packages specified by `setup_requires` or `tests_require`. They will also be written into the egg's metadata for use by tools like EasyInstall to use when installing an `.egg` file.

``namespace_packages``
A list of strings naming the project's "namespace packages". A namespace package is a package that may be split across multiple project distributions. For example, Zope 3's ``zope`` package is a namespace package, because subpackages like ``zope.interface`` and ``zope.publisher`` may be distributed separately. The egg runtime system can automatically merge such subpackages into a single parent package at runtime, as long as you declare them in each project that contains any subpackages of the namespace package, and as long as the namespace package's ``__init__.py`` does not contain any code other than a namespace declaration. See the section below on `Namespace Packages`_ for more information.

``test_suite``

A string naming a ``unittest.TestCase`` subclass (or a package or module containing one or more of them, or a method of such a subclass), or naming a function that can be called with no arguments and returns a ``unittest.TestSuite``. If the named suite is a module, and the module has an `additional_tests()` function, it is called and the results are added to the tests to be run. If the named suite is a package, any submodules and subpackages are recursively added to the overall test suite.

Specifying this argument enables use of the `test`_ command to run the specified test suite, e.g. via ```setup.py test```. See the section on the `test`_ command below for more details.

``tests_require``

If your project's tests need one or more additional packages besides those needed to install it, you can use this option to specify them. It should be a string or list of strings specifying what other distributions need to be present for the package's tests to run. When you run the `test` command, `setuptools` will attempt to obtain these (even going so far as to download them using `EasyInstall`). Note that these required projects will *not* be installed on the system where the tests are run, but only downloaded to the project's setup directory if they're not already installed locally.

.. _test_loader:

``test_loader``

If you would like to use a different way of finding tests to run than what setuptools normally uses, you can specify a module name and class name in this argument. The named class must be instantiable with no arguments, and its instances must support the `loadTestsFromNames()` method as defined in the Python `unittest` module's `TestLoader` class. Setuptools will pass only one test "name" in the `names` argument: the value supplied for the ``test_suite`` argument. The loader you specify may interpret this string in any way it likes, as there are no restrictions on what may be contained in a ``test_suite`` string.
The module name and class name must be separated by a `:`. The default value of this argument is `"setuptools.command.test:ScanningLoader"`. If you want to use the default `unittest` behavior, you can specify `"unittest:TestLoader"` as your `test_loader` argument instead. This will prevent automatic scanning of submodules and subpackages.

The module and class you specify here may be contained in another package, as long as you use the `tests_require` option to ensure that the package containing the loader class is available when the `test` command is run.

``eager_resources``
A list of strings naming resources that should be extracted together, if any of them is needed, or if any C extensions included in the project are imported. This argument is only useful if the project will be installed as a zipfile, and there is a need to have all of the listed resources be extracted to the filesystem *as a unit*. Resources listed here should be `/`-separated paths, relative to the source root, so to list a resource `foo.png` in package `bar/baz`, you would include the string `bar/baz/foo.png` in this argument.

If you only need to obtain resources one at a time, or you don't have any C extensions that access other files in the project (such as data files or shared libraries), you probably do NOT need this argument and shouldn't mess with it. For more details on how this argument works, see the section below on `Automatic Resource Extraction`.

``use_2to3``
Convert the source code from Python 2 to Python 3 with 2to3 during the build process. See :doc:`python3` for more details.

``convert_2to3_doctests``
List of doctest source files that need to be converted with 2to3. See :doc:`python3` for more details.

``use_2to3_fixers``
A list of modules to search for additional fixers to be used during the 2to3 conversion. See :doc:`python3` for more details.

Using ``find_packages()``

``find_packages()`` takes a source directory and two lists of package name
patterns to exclude and include. If omitted, the source directory defaults to the
same
directory as the setup script. Some projects use a "`src`" or "`lib`"
directory as the root of their source tree, and those projects would of course
use "`src"" or "`lib"" as the first argument to "`find_packages()`". (And
such projects also need something like "`package_dir = {'': 'src'}`" in their
`setup()` arguments, but that's just a normal distutils thing.)

Anyway, "`find_packages()`" walks the target directory, filtering by inclusion
patterns, and finds Python packages (any directory). On Python 3.2 and
earlier, packages are only recognized if they include an "`__init__.py`" file.
Finally, exclusion patterns are applied to remove matching packages.

Inclusion and exclusion patterns are package names, optionally including
wildcards. For
example, "`find_packages(exclude=['*.tests'])`" will exclude all packages whose
last name part is "`tests`". Or, "`find_packages(exclude=['*.tests',
"`*.tests.*']`)" will also exclude any subpackages of packages named "`tests`",
but it still won't exclude a top-level "`tests`" package or the children
thereof. In fact, if you really want no "`tests`" packages at all, you'll need
something like this:

```
find_packages(exclude=['*.tests', '*.tests.*', 'tests.*', 'tests'])
```

in order to cover all the bases. Really, the exclusion patterns are intended
to cover simpler use cases than this, like excluding a single, specified
package and its subpackages.

Regardless of the parameters, the "`find_packages()`"
function returns a list of package names suitable for use as the "`packages`"
argument to "`setup()`", and so is usually the easiest way to set that
argument in your setup script. Especially since it frees you from having to
remember to modify your setup script whenever your project grows additional
top-level packages or subpackages.

**Automatic Script Creation**

Packaging and installing scripts can be a bit awkward with the distutils. For
one thing, there's no easy way to have a script's filename match local
conventions on both Windows and POSIX platforms. For another, you often have
to create a separate file just for the "main" script, when your actual "main"
is a function in a module somewhere. And even in Python 2.4, using the "`-m`"
option only works for actual "`.py`" files that aren't installed in a package.

```
`setup` solves all of these problems by automatically generating scripts
for you with the correct extension, and on Windows it will even create an
".exe" file so that users don't have to change their "PATHEXT" settings. The way to use this feature is to define "entry points" in your setup script that indicate what function the generated script should import and run. For example, to create two console scripts called "foo" and "bar", and a GUI script called "baz", you might do something like this:

```python
setup(
    # other arguments here...
    entry_points={
        'console_scripts': [
            'foo = my_package.some_module:main_func',
            'bar = other_module:some_func',
        ],
        'gui_scripts': [
            'baz = my_package_gui:start_func',
        ]
    }
)
```

When this project is installed on non-Windows platforms (using "setup.py install", "setup.py develop", or by using EasyInstall), a set of "foo", "bar", and "baz" scripts will be installed that import "main_func" and "some_func" from the specified modules. The functions you specify are called with no arguments, and their return value is passed to "sys.exit()", so you can return an errorlevel or message to print to stderr.

On Windows, a set of "foo.exe", "bar.exe", and "baz.exe" launchers are created, alongside a set of "foo.py", "bar.py", and "baz.pyw" files. The ".exe" wrappers find and execute the right version of Python to run the ".py" or ".pyw" file.

You may define as many "console script" and "gui script" entry points as you like, and each one can optionally specify "extras" that it depends on, that will be added to "sys.path" when the script is run. For more information on "extras", see the section below on 'Declaring Extras'. For more information on "entry points" in general, see the section below on 'Dynamic Discovery of Services and Plugins'.

"Eggsecutable" Scripts

"Eggsecutable" Scripts

Occasionally, there are situations where it's desirable to make an "*.egg" file directly executable. You can do this by including an entry point such as the following:

```python
setup(
    # other arguments here...
```
entry_points = {
    'setuptools.installation': [
        'eggsutable = my_package.some_module:main_func',
    ]
}

Any eggs built from the above setup script will include a short executable
prelude that imports and calls `main_func()` from `my_package.some_module`.
The prelude can be run on Unix-like platforms (including Mac and Linux) by
invoking the egg with `/bin/sh`, or by enabling execute permissions on the
`.egg` file. For the executable prelude to run, the appropriate version of
Python must be available via the `PATH` environment variable, under its
"long" name. That is, if the egg is built for Python 2.3, there must be a
`python2.3` executable present in a directory on `PATH`.

This feature is primarily intended to support ez_setup the installation of
setuptools itself on non-Windows platforms, but may also be useful for other
projects as well.

IMPORTANT NOTE: Eggs with an "eggsutable" header cannot be renamed, or
invoked via symlinks. They *must* be invoked using their original filename, in
order to ensure that, once running, `pkg_resources` will know what project
and version is in use. The header script will check this and exit with an
error if the `.egg` file has been renamed or is invoked via a symlink that
changes its base name.

Declaring Dependencies

``setuptools`` supports automatically installing dependencies when a package is
installed, and including information about dependencies in Python Eggs (so that
package management tools like EasyInstall can use the information).

``setuptools`` and `pkg_resources` use a common syntax for specifying a
project's required dependencies. This syntax consists of a project's PyPI
name, optionally followed by a comma-separated list of "extras" in square
brackets, optionally followed by a comma-separated list of version
specifiers. A version specifier is one of the operators `''<''`, `''>''`, `''<=''`,
`''>=''`, `''==''` or `''!='`, followed by a version identifier. Tokens may be
separated by whitespace, but any whitespace or nonstandard characters within a
project name or version identifier must be replaced with `''-''`.

Version specifiers for a given project are internally sorted into ascending
version order, and used to establish what ranges of versions are acceptable.
Adjacent redundant conditions are also consolidated (e.g. `''>1, >2''` becomes
`''>1'''`, and `''<2, <3'''` becomes `''<3'''`). `''!='` versions are excised from
the ranges they fall within. A project's version is then checked for membership in the resulting ranges. (Note that providing conflicting conditions for the same version (e.g. "<2,>=2" or "==2,!=2") is meaningless and may therefore produce bizarre results.)

Here are some example requirement specifiers::

```
doctools >= 0.3
# comment lines and \ continuations are allowed in requirement strings
BazSpam ==1.1, ==1.2, ==1.3, ==1.4, ==1.5, 
    ==1.6, ==1.7 # and so are line-end comments

PEAK[FastCGI, reST]>=0.5a4

setuptools==0.5a7
```

The simplest way to include requirement specifiers is to use the `install_requires` argument to `setup()`. It takes a string or list of strings containing requirement specifiers. If you include more than one requirement in a string, each requirement must begin on a new line.

This has three effects:

1. When your project is installed, either by using EasyInstall, `setup.py install`, or `setup.py develop`, all of the dependencies not already installed will be located (via PyPI), downloaded, built (if necessary), and installed.

2. Any scripts in your project will be installed with wrappers that verify the availability of the specified dependencies at runtime, and ensure that the correct versions are added to `sys.path` (e.g. if multiple versions have been installed).

3. Python Egg distributions will include a metadata file listing the dependencies.

Note, by the way, that if you declare your dependencies in `setup.py`, you do *not* need to use the `require()` function in your scripts or modules, as long as you either install the project or use `setup.py develop` to do development work on it. (See "Development Mode" _ below for more details on using `setup.py develop`.)

Dependencies that aren't in PyPI
---------------------------------

If your project depends on packages that aren't registered in PyPI, you may
still be able to depend on them, as long as they are available for download as:

- an egg, in the standard distutils `sdist` format,
- a single `.py` file, or
- a VCS repository (Subversion, Mercurial, or Git).

You just need to add some URLs to the `dependency_links` argument to `setup()`.

The URLs must be either:

1. direct download URLs,
2. the URLs of web pages that contain direct download links, or
3. the repository's URL

In general, it's better to link to web pages, because it is usually less complex to update a web page than to release a new version of your project. You can also use a SourceForge `showfiles.php` link in the case where a package you depend on is distributed via SourceForge.

If you depend on a package that's distributed as a single `.py` file, you must include an `#egg=project-version` suffix to the URL, to give a project name and version number. (Be sure to escape any dashes in the name or version by replacing them with underscores.) EasyInstall will recognize this suffix and automatically create a trivial `setup.py` to wrap the single `.py` file as an egg.

In the case of a VCS checkout, you should also append `#egg=project-version` in order to identify for what package that checkout should be used. You can append `@REV` to the URL’s path (before the fragment) to specify a revision. Additionally, you can also force the VCS being used by prepending the URL with a certain prefix. Currently available are:

- `svn+URL` for Subversion,
- `git+URL` for Git, and
- `hg+URL` for Mercurial

A more complete example would be:

```
vcs+proto://host/path@revision#egg=project-version```

Be careful with the version. It should match the one inside the project files. If you want to disregard the version, you have to omit it both in the `requires` and in the URL's fragment.

This will do a checkout (or a clone, in Git and Mercurial parlance) to a temporary folder and run `setup.py bdist_egg`.
The ``dependency_links`` option takes the form of a list of URL strings. For example, the below will cause EasyInstall to search the specified page for eggs or source distributions, if the package's dependencies aren't already installed:

```python
setup(
    ...
    dependency_links = [
        "http://peak.telecommunity.com/snapshots/",
    ],
)
```

.. _Declaring Extras:

Declaring "Extras" (optional features with their own dependencies)
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

Sometimes a project has "recommended" dependencies, that are not required for all uses of the project. For example, a project might offer optional PDF output if ReportLab is installed, and reStructuredText support if docutils is installed. These optional features are called "extras", and setuptools allows you to define their requirements as well. In this way, other projects that require these optional features can force the additional requirements to be installed, by naming the desired extras in their ``install_requires``.

For example, let's say that Project A offers optional PDF and reST support:

```python
setup(
    name="Project-A",
    ...
    extras_require = {
        'PDF': ['ReportLab>=1.2', 'RXP'],
        'reST': ['docutils>=0.3'],
    },
)
```

As you can see, the ``extras_require`` argument takes a dictionary mapping names of "extra" features, to strings or lists of strings describing those features' requirements. These requirements will *not* be automatically installed unless another package depends on them (directly or indirectly) by including the desired "extras" in square brackets after the associated project name. (Or if the extras were listed in a requirement spec on the EasyInstall command line.)

Extras can be used by a project's `entry points`_ to specify dynamic
dependencies. For example, if Project A includes a "rst2pdf" script, it might declare it like this, so that the "PDF" requirements are only resolved if the "rst2pdf" script is run::

```python
setup(
    name="Project-A",
    ...
    entry_points = {
        'console_scripts': [
            'rst2pdf = project_a.tools.pdfgen [PDF]',
            'rst2html = project_a.tools.htmlgen',
            # more script entry points ...
        ],
    }
)
```

Projects can also use another project's extras when specifying dependencies. For example, if project B needs "project A" with PDF support installed, it might declare the dependency like this::

```python
setup(
    name="Project-B",
    install_requires = ['Project-A[PDF]'],
    ...
)
```

This will cause ReportLab to be installed along with project A, if project B is installed -- even if project A was already installed. In this way, a project can encapsulate groups of optional "downstream dependencies" under a feature name, so that packages that depend on it don't have to know what the downstream dependencies are. If a later version of Project A builds in PDF support and no longer needs ReportLab, or if it ends up needing other dependencies besides ReportLab in order to provide PDF support, Project B's setup information does not need to change, but the right packages will still be installed if needed.

Note, by the way, that if a project ends up not needing any other packages to support a feature, it should keep an empty requirements list for that feature in its `extras_require` argument, so that packages depending on that feature don't break (due to an invalid feature name). For example, if Project A above builds in PDF support and no longer needs ReportLab, it could change its setup to this::

```python
setup(
    name="Project-A",
    ...
    extras_require = {
        'PDF': [],
        'reST': ['docutils>=0.3'],
    }
)
```
so that Package B doesn't have to remove the ```[PDF]``` from its requirement specifier.

Including Data Files
====================

The distutils have traditionally allowed installation of "data files", which are placed in a platform-specific location. However, the most common use case for data files distributed with a package is for use *by* the package, usually by including the data files in the package directory.

Setuptools offers three ways to specify data files to be included in your packages. First, you can simply use the `''include_package_data''` keyword, e.g.::

    from setuptools import setup, find_packages
    setup(  
        include_package_data = True  
    )

This tells setuptools to install any data files it finds in your packages. The data files must be specified via the distutils' `''MANIFEST.in''` file. (They can also be tracked by a revision control system, using an appropriate plugin. See the section below on `Adding Support for Revision Control Systems`_ for information on how to write such plugins.)

If you want finer-grained control over what files are included (for example, if you have documentation files in your package directories and want to exclude them from installation), then you can also use the `''package_data''` keyword, e.g.::

    from setuptools import setup, find_packages
    setup(  
        package_data = {  
            # If any package contains *.txt or *.rst files, include them:  
            ': [ '*.txt', '*.rst']},  
            # And include any *.msg files found in the 'hello' package, too:  
            'hello': [ '*.msg'],  
        }  
    )

The `''package_data''` argument is a dictionary that maps from package names to
lists of glob patterns. The globs may include subdirectory names, if the data files are contained in a subdirectory of the package. For example, if the package tree looks like this:

```python
text
setup.py
src/
   mypkg/
      __init__.py
      mypkg.txt
      data/
         somefile.dat
      otherdata.dat
```

The setuptools setup file might look like this:

```python
text
from setuptools import setup, find_packages
setup(
   ...
   packages = find_packages('src'),  # include all packages under src
   package_dir = {'':'src'},   # tell distutils packages are under src
   package_data = {
      # If any package contains *.txt files, include them:
      '': ['*.txt'],
      # And include any *.dat files found in the 'data' subdirectory
      # of the 'mypkg' package, also:
      'mypkg': ['data/*.dat'],
   }
)
```

Notice that if you list patterns in ``package_data`` under the empty string, these patterns are used to find files in every package, even ones that also have their own patterns listed. Thus, in the above example, the ``mypkg.txt`` file gets included even though it's not listed in the patterns for ``mypkg``.

Also notice that if you use paths, you *must* use a forward slash (`/`) as the path separator, even if you are on Windows. Setuptools automatically converts slashes to appropriate platform-specific separators at build time.

(Stat: although the ``package_data`` argument was previously only available in ``setuptools``, it was also added to the Python ``distutils`` package as of Python 2.4; there is some documentation for the feature available on the python.org website. If using the setuptools-specific ``include_package_data`` argument, files specified by ``package_data`` will *not* be automatically added to the manifest unless they are listed in the MANIFEST.in file.)

__ http://docs.python.org/dist/node11.html
Sometimes, the ``include_package_data`` or ``package_data`` options alone aren't sufficient to precisely define what files you want included. For example, you may want to include package README files in your revision control system and source distributions, but exclude them from being installed. So, setuptools offers an ``exclude_package_data`` option as well, that allows you to do things like this::

```python
from setuptools import setup, find_packages
setup(  
    ...
    packages = find_packages('src'),  # include all packages under src
    package_dir = {'':'src'},   # tell distutils packages are under src
    include_package_data = True,    # include everything in source control
    # ...but exclude README.txt from all packages
    exclude_package_data = { '' : ['README.txt'] },
)
```

The ``exclude_package_data`` option is a dictionary mapping package names to lists of wildcard patterns, just like the ``package_data`` option. And, just as with that option, a key of ``''`` will apply the given pattern(s) to all packages. However, any files that match these patterns will be *excluded* from installation, even if they were listed in ``package_data`` or were included as a result of using ``include_package_data``.

In summary, the three options allow you to:

``include_package_data``
Accept all data files and directories matched by ``MANIFEST.in``.

``package_data``
Specify additional patterns to match files and directories that may or may not be matched by ``MANIFEST.in`` or found in source control.

``exclude_package_data``
Specify patterns for data files and directories that should *not* be included when a package is installed, even if they would otherwise have been included due to the use of the preceding options.

NOTE: Due to the way the distutils build process works, a data file that you include in your project and then stop including may be "orphaned" in your project's build directories, requiring you to run ``setup.py clean --all`` to fully remove them. This may also be important for your users and contributors if they track intermediate revisions of your project using Subversion; be sure to let them know when you make changes that remove files from inclusion so they can run ``setup.py clean --all``.
Accessing Data Files at Runtime

Typically, existing programs manipulate a package's `__file__` attribute in order to find the location of data files. However, this manipulation isn't compatible with PEP 302-based import hooks, including importing from zip files and Python Eggs. It is strongly recommended that, if you are using data files, you should use the `Resource Management API` of `pkg_resources` to access them. The `pkg_resources` module is distributed as part of setuptools, so if you're using setuptools to distribute your package, there is no reason not to use its resource management API. See also `Accessing Package Resources` for a quick example of converting code that uses `__file__` to use `pkg_resources` instead.

.. _Resource Management API: http://peak.telecommunity.com/DevCenter/PythonEggs#resource-management
.. _Accessing Package Resources: http://peak.telecommunity.com/DevCenter/PythonEggs#accessing-package-resources

Non-Package Data Files

The `distutils` normally install general "data files" to a platform-specific location (e.g. `~/usr/share`). This feature intended to be used for things like documentation, example configuration files, and the like. `setuptools` does not install these data files in a separate location, however. They are bundled inside the egg file or directory, alongside the Python modules and packages. The data files can also be accessed using the `Resource Management API`, by specifying a `Requirement` instead of a package name::

```python
from pkg_resources import Requirement, resource_filename
filename = resource_filename(Requirement.parse("MyProject"),"sample.conf")
```

The above code will obtain the filename of the "sample.conf" file in the data root of the "MyProject" distribution.

Note, by the way, that this encapsulation of data files means that you can't actually install data files to some arbitrary location on a user's machine; this is a feature, not a bug. You can always include a script in your distribution that extracts and copies your the documentation or data files to a user-specified location, at their discretion. If you put related data files in a single directory, you can use `resource_filename()` with the directory name to get a filesystem directory that then can be copied with the `shutil` module. (Even if your package is installed as a zipfile, calling `resource_filename()` on a directory will return an actual filesystem directory, whose contents will be that entire subtree of your distribution.)
(Of course, if you're writing a new package, you can just as easily place your data files or directories inside one of your packages, rather than using the distutils' approach. However, if you're updating an existing application, it may be simpler not to change the way it currently specifies these data files.)

Automatic Resource Extraction
---------------------------------

If you are using tools that expect your resources to be "real" files, or your project includes non-extension native libraries or other files that your C extensions expect to be able to access, you may need to list those files in the `eager_resources` argument to `setup()`, so that the files will be extracted together, whenever a C extension in the project is imported.

This is especially important if your project includes shared libraries *other* than distutils-built C extensions, and those shared libraries use file extensions other than `.dll`, `.so`, or `.dylib`, which are the extensions that setuptools 0.6a8 and higher automatically detects as shared libraries and adds to the `native_libs.txt` file for you. Any shared libraries whose names do not end with one of those extensions should be listed as `eager_resources`, because they need to be present in the filesystem when he C extensions that link to them are used.

The `pkg_resources` runtime for compressed packages will automatically extract *all* C extensions and `eager_resources` at the same time, whenever *any* C extension or eager resource is requested via the `resource_filename` API. (C extensions are imported using `resource_filename` internally.) This ensures that C extensions will see all of the "real" files that they expect to see.

Note also that you can list directory resource names in `eager_resources` as well, in which case the directory's contents (including subdirectories) will be extracted whenever any C extension or eager resource is requested.

Please note that if you're not sure whether you need to use this argument, you don't! It's really intended to support projects with lots of non-Python dependencies and as a last resort for crufty projects that can't otherwise handle being compressed. If your package is pure Python, Python plus data files, or Python plus C, you really don't need this. You've got to be using either C or an external program that needs "real" files in your project before there's any possibility of `eager_resources` being relevant to your project.

Extensible Applications and Frameworks
====================================
Dynamic Discovery of Services and Plugins
------------------------------------------

``setuptools`` supports creating libraries that "plug in" to extensible applications and frameworks, by letting you register "entry points" in your project that can be imported by the application or framework.

For example, suppose that a blogging tool wants to support plugins that provide translation for various file types to the blog's output format. The framework might define an "entry point group" called ``blogtool.parsers``, and then allow plugins to register entry points for the file extensions they support.

This would allow people to create distributions that contain one or more parsers for different file types, and then the blogging tool would be able to find the parsers at runtime by looking up an entry point for the file extension (or mime type, or however it wants to).

Note that if the blogging tool includes parsers for certain file formats, it can register these as entry points in its own setup script, which means it doesn't have to special-case its built-in formats. They can just be treated the same as any other plugin's entry points would be.

If you're creating a project that plugs in to an existing application or framework, you'll need to know what entry points or entry point groups are defined by that application or framework. Then, you can register entry points in your setup script. Here are a few examples of ways you might register an ``.rst`` file parser entry point in the ``blogtool.parsers`` entry point group, for our hypothetical blogging tool:

```python
setup(
    # ...
    entry_points = {'blogtool.parsers': '.rst = some_module:SomeClass'}
)
```

```python
setup(
    # ...
    entry_points = {'blogtool.parsers': ['.rst = some_module:a_func']}
)
```

```python
setup(
    # ...
    entry_points = ""
    [blogtool.parsers]
    .rst = some.nested.module:SomeClass.some_classmethod [reST]
    """
)
extras_require = dict(reST = "Docutils>=0.3.5")
)

The `entry_points` argument to `setup()` accepts either a string with `.ini`-style sections, or a dictionary mapping entry point group names to either strings or lists of strings containing entry point specifiers. An entry point specifier consists of a name and value, separated by an `=` sign. The value consists of a dotted module name, optionally followed by a `:` and a dotted identifier naming an object within the module. It can also include a bracketed list of "extras" that are required for the entry point to be used. When the invoking application or framework requests loading of an entry point, any requirements implied by the associated extras will be passed to `pkg_resources.require()`, so that an appropriate error message can be displayed if the needed package(s) are missing. (Of course, the invoking app or framework can ignore such errors if it wants to make an entry point optional if a requirement isn't installed.)

Defining Additional Metadata
----------------------------

Some extensible applications and frameworks may need to define their own kinds of metadata to include in eggs, which they can then access using the `pkg_resources` metadata APIs. Ordinarily, this is done by having plugin developers include additional files in their `ProjectName.egg-info` directory. However, since it can be tedious to create such files by hand, you may want to create a distutils extension that will create the necessary files from arguments to `setup()`, in much the same way that `setuptools` does for many of the `setup()` arguments it adds. See the section below on `Creating distutils Extensions` for more details, especially the subsection on `Adding new EGG-INFO Files`.

"Development Mode"
==================

Under normal circumstances, the `distutils` assume that you are going to build a distribution of your project, not use it in its "raw" or "unbuilt" form. If you were to use the `distutils` that way, you would have to rebuild and reinstall your project every time you made a change to it during development.

Another problem that sometimes comes up with the `distutils` is that you may need to do development on two related projects at the same time. You may need to put both projects' packages in the same directory to run them, but need to keep them separate for revision control purposes. How can you do this?

Setuptools allows you to deploy your projects for use in a common directory or
staging area, but without copying any files. Thus, you can edit each project's code in its checkout directory, and only need to run build commands when you change a project's C extensions or similarly compiled files. You can even deploy a project into another project's checkout directory, if that's your preferred way of working (as opposed to using a common independent staging area or the site-packages directory).

To do this, use the ```setup.py develop``` command. It works very similarly to ```setup.py install``` or the EasyInstall tool, except that it doesn't actually install anything. Instead, it creates a special ```.egg-link``` file in the deployment directory, that links to your project's source code. And, if your deployment directory is Python's ```site-packages``` directory, it will also update the ```easy-install.pth``` file to include your project's source code, thereby making it available on ```sys.path``` for all programs using that Python installation.

If you have enabled the ```use_2to3``` flag, then of course the ```.egg-link``` will not link directly to your source code when run under Python 3, since that source code would be made for Python 2 and not work under Python 3. Instead the ```setup.py develop``` will build Python 3 code under the ```build``` directory, and link there. This means that after doing code changes you will have to run ```setup.py build``` before these changes are picked up by your Python 3 installation.

In addition, the ```develop``` command creates wrapper scripts in the target script directory that will run your in-development scripts after ensuring that all your ```install_requires``` packages are available on ```sys.path```.

You can deploy the same project to multiple staging areas, e.g. if you have multiple projects on the same machine that are sharing the same project you're doing development work.

When you're done with a given development task, you can remove the project source from a staging area using ```setup.py develop --uninstall```, specifying the desired staging area if it's not the default.

There are several options to control the precise behavior of the ```develop``` command; see the section on the ```develop``` command below for more details.

Note that you can also apply setuptools commands to non-setuptools projects, using commands like this::

```
python -c "import setuptools; execfile('setup.py')" develop
```

That is, you can simply list the normal setup commands and options following the quoted part.
Distributing a ``setuptools``-based project
===========================================

Using ``setuptools``... Without bundling it!
=============================================

Your users might not have ``setuptools`` installed on their machines, or even if they do, it might not be the right version. Fixing this is easy; just download `ez_setup.py` and put it in the same directory as your ``setup.py`` script. (Be sure to add it to your revision control system, too.) Then add these two lines to the very top of your setup script, before the script imports anything from setuptools:

.. code-block:: python

    import ez_setup
    ez_setup.use_setuptools()

That's it. The ``ez_setup`` module will automatically download a matching version of ``setuptools`` from PyPI, if it isn't present on the target system. Whenever you install an updated version of setuptools, you should also update your projects' ``ez_setup.py`` files, so that a matching version gets installed on the target machine(s).

By the way, setuptools supports the new PyPI "upload" command, so you can use `setup.py sdist upload` or `setup.py bdist_egg upload` to upload your source or egg distributions respectively. Your project's current version must be registered with PyPI first, of course; you can use `setup.py register` to do that. Or you can do it all in one step, e.g. `setup.py register sdist bdist_egg upload` will register the package, build source and egg distributions, and then upload them both to PyPI, where they'll be easily found by other projects that depend on them.

(By the way, if you need to distribute a specific version of ``setuptools``, you can specify the exact version and base download URL as parameters to the `use_setuptools()` function. See the function's docstring for details.)

What Your Users Should Know
---------------------------

In general, a setuptools-based project looks just like any distutils-based project -- as long as your users have an internet connection and are installing to `site-packages`, that is. But for some users, these conditions don't apply, and they may become frustrated if this is their first encounter with a setuptools-based project. To keep these users happy, you should review the following topics in your project's installation instructions, if they are relevant to your project and your target audience isn't already familiar with
setuptools and `easy_install`.

Network Access
   If your project is using `ez_setup`, you should inform users of the need to either have network access, or to preinstall the correct version of setuptools using the `EasyInstall installation instructions`. Those instructions also have tips for dealing with firewalls as well as how to manually download and install setuptools.

Custom Installation Locations
   You should inform your users that if they are installing your project to somewhere other than the main `site-packages` directory, they should first install setuptools using the instructions for `Custom Installation Locations`, before installing your project.

Your Project's Dependencies
   If your project depends on other projects that may need to be downloaded from PyPI or elsewhere, you should list them in your installation instructions, or tell users how to find out what they are. While most users will not need this information, any users who don't have unrestricted internet access may have to find, download, and install the other projects manually. (Note, however, that they must still install those projects using `easy_install`, or your project will not know they are installed, and your setup script will try to download them again.)

   If you want to be especially friendly to users with limited network access, you may wish to build eggs for your project and its dependencies, making them all available for download from your site, or at least create a page with links to all of the needed eggs. In this way, users with limited network access can manually download all the eggs to a single directory, then use the `-f` option of `easy_install` to specify the directory to find eggs in. Users who have full network access can just use `-f` with the URL of your download page, and `easy_install` will find all the needed eggs using your links directly. This is also useful when your target audience isn't able to compile packages (e.g. most Windows users) and your package or some of its dependencies include C code.

Revision Control System Users and Co-Developers
   Users and co-developers who are tracking your in-development code using a revision control system should probably read this manual's sections regarding such development. Alternately, you may wish to create a quick-reference guide containing the tips from this manual that apply to your particular situation. For example, if you recommend that people use `setup.py develop` when tracking your in-development code, you should let them know that this needs to be run after every update or commit.

   Similarly, if you remove modules or data files from your project, you should remind them to run `setup.py clean --all` and delete any obsolete
Creating System Packages

Some users want to manage all Python packages using a single package manager, and sometimes that package manager isn't `easy_install`! Setuptools currently supports `bdist_rpm`, `bdist_wininst`, and `bdist_dumb` formats for system packaging. If a user has a locally-installed "bdist" packaging tool that internally uses the distutils `install` command, it should be able to work with `setuptools`. Some examples of "bdist" formats that this should work with include the `bdist_nsi` and `bdist_msi` formats for Windows.

However, packaging tools that build binary distributions by running `setup.py install` on the command line or as a subprocess will require modification to work with setuptools. They should use the `--single-version-externally-managed` option to the `install` command, combined with the standard `--root` or `--record` options. See the `install command` documentation below for more details. The `bdist_deb` command is an example of a command that currently requires this kind of patching to work with setuptools.

If you or your users have a problem building a usable system package for your project, please report the problem via the mailing list so that either the "bdist" tool in question or setuptools can be modified to resolve the issue.

Setting the `zip_safe` flag

For maximum performance, Python packages are best installed as zip files. Not all packages, however, are capable of running in compressed form, because they may expect to be able to access either source code or data files as normal operating system files. So, `setuptools` can install your project as a zipfile or a directory, and its default choice is determined by the project's `zip_safe` flag.

You can pass a True or False value for the `zip_safe` argument to the `setup()` function, or you can omit it. If you omit it, the `bdist_egg` command will analyze your project's contents to see if it can detect any conditions that would prevent it from working in a zipfile. It will output notices to the console about any such conditions that it finds.

Currently, this analysis is extremely conservative: it will consider the project unsafe if it contains any C extensions or datafiles whatsoever. This
does *not* mean that the project can't or won't work as a zipfile! It just means that the ``bdist_egg`` authors aren't yet comfortable asserting that the project *will* work. If the project contains no C or data files, and does no ``__file__`` or ``__path__`` introspection or source code manipulation, then there is an extremely solid chance the project will work when installed as a zipfile. (And if the project uses ``pkg_resources`` for all its data file access, then C extensions and other data files shouldn't be a problem at all. See the `Accessing Data Files at Runtime`_ section above for more information.)

However, if ``bdist_egg`` can't be *sure* that your package will work, but you've checked over all the warnings it issued, and you are either satisfied it *will* work (or if you want to try it for yourself), then you should set ``zip_safe`` to ``True`` in your ``setup()`` call. If it turns out that it doesn't work, you can always change it to ``False``, which will force ``setuptools`` to install your project as a directory rather than as a zipfile.

Of course, the end-user can still override either decision, if they are using EasyInstall to install your package. And, if you want to override for testing purposes, you can just run ``setup.py easy_install --zip-ok`` or ``setup.py easy_install --always-unzip`` in your project directory to install the package as a zipfile or directory, respectively.

In the future, as we gain more experience with different packages and become more satisfied with the robustness of the ``pkg_resources`` runtime, the "zip safety" analysis may become less conservative. However, we strongly recommend that you determine for yourself whether your project functions correctly when installed as a zipfile, correct any problems if you can, and then make an explicit declaration of ``True`` or ``False`` for the ``zip_safe`` flag, so that it will not be necessary for ``bdist_egg`` or "EasyInstall" to try to guess whether your project can work as a zipfile.

Namespace Packages

Sometimes, a large package is more useful if distributed as a collection of smaller eggs. However, Python does not normally allow the contents of a package to be retrieved from more than one location. "Namespace packages" are a solution for this problem. When you declare a package to be a namespace package, it means that the package has no meaningful contents in its ``__init__.py``, and that it is merely a container for modules and subpackages.

The ``pkg_resources`` runtime will then automatically ensure that the contents of namespace packages that are spread over multiple eggs or directories are combined into a single "virtual" package.

The ``namespace_packages`` argument to ``setup()`` lets you declare your project's namespace packages, so that they will be included in your project's
metadata. The argument should list the namespace packages that the egg participates in. For example, the ZopeInterface project might do this::

```python
setup(
    # ...
    namespace_packages = ['zope']
)
```

because it contains a `zope.interface` package that lives in the `zope` namespace package. Similarly, a project for a standalone `zope.publisher` would also declare the `zope` namespace package. When these projects are installed and used, Python will see them both as part of a "virtual" `zope` package, even though they will be installed in different locations.

Namespace packages don't have to be top-level packages. For example, Zope 3's `zope.app` package is a namespace package, and in the future PEAK's `peak.util` package will be too.

Note, by the way, that your project's source tree must include the namespace packages' `__init__.py` files (and the `__init__.py` of any parent packages), in a normal Python package layout. These `__init__.py` files *must* contain the line::

```python
__import__('pkg_resources').declare_namespace(__name__)
```

This code ensures that the namespace package machinery is operating and that the current package is registered as a namespace package.

You must NOT include any other code and data in a namespace package's `__init__.py`. Even though it may appear to work during development, or when projects are installed as `.egg` files, it will not work when the projects are installed using "system" packaging tools -- in such cases the `__init__.py` files will not be installed, let alone executed.

You must include the `declare_namespace()` line in the `__init__.py` of *every* project that has contents for the namespace package in question, in order to ensure that the namespace will be declared regardless of which project's copy of `__init__.py` is loaded first. If the first loaded `__init__.py` doesn't declare it, it will never *be* declared, because no other copies will ever be loaded!

**TRANSITIONAL NOTE**

Setuptools automatically calls `declare_namespace()` for you at runtime, but future versions may *not*. This is because the automatic declaration feature has some negative side effects, such as needing to import all namespace
packages during the initialization of the `pkg_resources` runtime, and also the need for `pkg_resources` to be explicitly imported before any namespace packages work at all. In some future releases, you'll be responsible for including your own declaration lines, and the automatic declaration feature will be dropped to get rid of the negative side effects.

During the remainder of the current development cycle, therefore, setuptools will warn you about missing `declare_namespace()` calls in your `__init__.py` files, and you should correct these as soon as possible before the compatibility support is removed. Namespace packages without declaration lines will not work correctly once a user has upgraded to a later version, so it's important that you make this change now in order to avoid having your code break in the field. Our apologies for the inconvenience, and thank you for your patience.

Tagging and "Daily Build" or "Snapshot" Releases

When a set of related projects are under development, it may be important to track finer-grained version increments than you would normally use for e.g. "stable" releases. While stable releases might be measured in dotted numbers with alpha/beta/etc. status codes, development versions of a project often need to be tracked by revision or build number or even build date. This is especially true when projects in development need to refer to one another, and therefore may literally need an up-to-the-minute version of something!

To support these scenarios, setuptools allows you to "tag" your source and egg distributions by adding one or more of the following to the project's "official" version identifier:

* A manually-specified pre-release tag, such as "build" or "dev", or a manually-specified post-release tag, such as a build or revision number (`--tag-build=STRING, -bSTRING`)

* A "last-modified revision number" string generated automatically from Subversion's metadata (assuming your project is being built from a Subversion "working copy") (`--tag-svn-revision, -r`)

* An 8-character representation of the build date (`--tag-date, -d`), as a postrelease tag

You can add these tags by adding `egg_info` and the desired options to the command line ahead of the `sdist` or `bdist` commands that you want to generate a daily build or snapshot for. See the section below on the `egg_info` command for more details.
(Also, before you release your project, be sure to see the section above on
`Specifying Your Project's Version`_ for more information about how pre- and
post-release tags affect how setuptools and EasyInstall interpret version
numbers. This is important in order to make sure that dependency processing
tools will know which versions of your project are newer than others.)

Finally, if you are creating builds frequently, and either building them in a
downloadable location or are copying them to a distribution server, you should
probably also check out the `rotate`_ command, which lets you automatically
delete all but the N most-recently-modified distributions matching a glob
pattern. So, you can use a command line like::<

    setup.py egg_info -rbDEV bdist_egg rotate -m.egg -k3

to build an egg whose version info includes 'DEV-rNNNN' (where NNNN is the
most recent Subversion revision that affected the source tree), and then
delete any egg files from the distribution directory except for the three
that were built most recently.

If you have to manage automated builds for multiple packages, each with
different tagging and rotation policies, you may also want to check out the
`alias`_ command, which would let each package define an alias like `daily`
that would perform the necessary tag, build, and rotate commands. Then, a
simpler script or cron job could just run `setup.py daily` in each project
directory. (And, you could also define sitewide or per-user default versions
of the `daily` alias, so that projects that didn't define their own would
use the appropriate defaults.)

Generating Source Distributions
----------------------------------

``setuptools`` enhances the distutils' default algorithm for source file
selection with pluggable endpoints for looking up files to include. If you are
using a revision control system, and your source distributions only need to
include files that you're tracking in revision control, use a corresponding
plug in instead of writing a ``MANIFEST.in`` file. See the section below on
`Adding Support for Revision Control Systems`_ for information on plugins.

If you need to include automatically generated files, or files that are kept in
an unsupported revision control system, you'll need to create a ``MANIFEST.in``
file to specify any files that the default file location algorithm doesn't
catch. See the distutils documentation for more information on the format of
the `MANIFEST.in` file.

But, be sure to ignore any part of the distutils documentation that deals with
`MANIFEST` or how it's generated from `MANIFEST.in`; setuptools shields you
from these issues and doesn't work the same way in any case. Unlike the
distutils, setuptools regenerates the source distribution manifest file every time you build a source distribution, and it builds it inside the project's `.egg-info` directory, out of the way of your main project directory. You therefore need not worry about whether it is up-to-date or not.

Indeed, because setuptools' approach to determining the contents of a source distribution is so much simpler, its `sdist` command omits nearly all of the options that the distutils' more complex `sdist` process requires. For all practical purposes, you'll probably use only the `--formats` option, if you use any option at all.

Making your package available for EasyInstall
---------------------------------------------

If you use the `register` command (`setup.py register`) to register your package with PyPI, that's most of the battle right there. (See the docs for the register command_ for more details.)

.. _docs for the register command: http://docs.python.org/dist/package-index.html

If you also use the `upload` command to upload actual distributions of your package, that's even better, because EasyInstall will be able to find and download them directly from your project's PyPI page.

However, there may be reasons why you don't want to upload distributions to PyPI, and just want your existing distributions (or perhaps a Subversion checkout) to be used instead.

So here's what you need to do before running the `register` command. There are three `setup()` arguments that affect EasyInstall:

``url`` and ``download_url``

These become links on your project's PyPI page. EasyInstall will examine them to see if they link to a package ("primary links"), or whether they are HTML pages. If they're HTML pages, EasyInstall scans all HREF's on the page for primary links.

``long_description``

EasyInstall will check any URLs contained in this argument to see if they are primary links.

A URL is considered a "primary link" if it is a link to a .tar.gz, .tgz, .zip, .egg, .egg.zip, .tar.bz2, or .exe file, or if it has an `#egg=project` or `#egg=project-version` fragment identifier attached to it. EasyInstall attempts to determine a project name and optional version number from the text of a primary link *without* downloading it. When it has found all the primary links, EasyInstall will select the best match based on requested version,
platform compatibility, and other criteria.

So, if your `url` or `download_url` point either directly to a downloadable source distribution, or to HTML page(s) that have direct links to such, then EasyInstall will be able to locate downloads automatically. If you want to make Subversion checkouts available, then you should create links with either `#egg=project` or `#egg=project-version` added to the URL. You should replace `project` and `version` with the values they would have in an egg filename. (Be sure to actually generate an egg and then use the initial part of the filename, rather than trying to guess what the escaped form of the project name and version number will be.)

Note that Subversion checkout links are of lower precedence than other kinds of distributions, so EasyInstall will not select a Subversion checkout for downloading unless it has a version included in the `#egg=` suffix, and it's a higher version than EasyInstall has seen in any other links for your project.

As a result, it's a common practice to use mark checkout URLs with a version of "dev" (i.e., `#egg=projectname-dev`), so that users can do something like this:

```
   easy_install --editable projectname==dev
```

in order to check out the in-development version of `projectname`.

Managing "Continuous Releases" Using Subversion
-------------------------------------------------

If you expect your users to track in-development versions of your project via Subversion, there are a few additional steps you should take to ensure that things work smoothly with EasyInstall. First, you should add the following to your project's `setup.cfg` file:

```
.. code-block:: ini

    [egg_info]
    tag_build = .dev
    tag_svn_revision = 1
```

This will tell `setuptools` to generate package version numbers like `1.0a1.dev-r1263`, which will be considered to be an *older* release than `1.0a1`. Thus, when you actually release `1.0a1`, the entire egg infrastructure (including `setuptools`, `pkg_resources` and EasyInstall) will know that `1.0a1` supersedes any interim snapshots from Subversion, and handle upgrades accordingly.
(Note: the project version number you specify in `setup.py` should always be the next version of your software, not the last released version. Alternatively, you can leave out the `tag_build=.dev`, and always use the last release as a version number, so that your post-1.0 builds are labelled `1.0-r1263`, indicating a post-1.0 patchlevel. Most projects so far, however, seem to prefer to think of their project as being a future version still under development, rather than a past version being patched. It is of course possible for a single project to have both situations, using post-release numbering on release branches, and pre-release numbering on the trunk. But you don't have to make things this complex if you don't want to.)

Commonly, projects releasing code from Subversion will include a PyPi link to their checkout URL (as described in the previous section) with an `#egg=projectname-dev` suffix. This allows users to request EasyInstall to download `projectname==dev` in order to get the latest in-development code. Note that if your project depends on such in-progress code, you may wish to specify your `install_requires` (or other requirements) to include `==dev`, e.g.:

```python
install_requires = ["OtherProject>=0.2a1.dev-r143,==dev"]
```

The above example says, "I really want at least this particular development revision number, but feel free to follow and use an `#egg=OtherProject-dev` link if you find one". This avoids the need to have actual source or binary distribution snapshots of in-development code available, just to be able to depend on the latest and greatest a project has to offer.

A final note for Subversion development: if you are using SVN revision tags as described in this section, it's a good idea to run `setup.py develop` after each Subversion checkin or update, because your project's version number will be changing, and your script wrappers need to be updated accordingly. Also, if the project's requirements have changed, the `develop` command will take care of fetching the updated dependencies, building changed extensions, etc. Be sure to also remind any of your users who check out your project from Subversion that they need to run `setup.py develop` after every update in order to keep their checkout completely in sync.

Making "Official" (Non-Snapshot) Releases
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

When you make an official release, creating source or binary distributions, you will need to override the tag settings from `setup.cfg`, so that you don't end up registering versions like `foobar-0.7a1.dev-r34832`. This is easy to do if you are developing on the trunk and using tags or branches for
your releases - just make the change to `''setup.cfg''` after branching or
tagging the release, so the trunk will still produce development snapshots.

Alternately, if you are not branching for releases, you can override the
default version options on the command line, using something like::

    python setup.py egg_info -RDb "" sdist bdist_egg register upload

The first part of this command (`''egg_info -RDb ""') will override the
configured tag information, before creating source and binary eggs, registering
the project with PyPI, and uploading the files. Thus, these commands will use
the plain version from your `''setup.py''`, without adding the Subversion
revision number or build designation string.

Of course, if you will be doing this a lot, you may wish to create a personal
alias for this operation, e.g.::

    python setup.py alias -u release egg_info -RDb ""

You can then use it like this::

    python setup.py release sdist bdist_egg register upload

Or of course you can create more elaborate aliases that do all of the above.
See the sections below on the `egg_info` and `alias` commands for more ideas.

Distributing Extensions compiled with Pyrex
-------------------------------------------
``setuptools`` includes transparent support for building Pyrex extensions, as
long as you define your extensions using ``setuptools.Extension``, *not*
``distutils.Extension``. You must also not import anything from Pyrex in
your setup script.

If you follow these rules, you can safely list `''.pyx''` files as the source
of your `''Extension''` objects in the setup script. ``setuptools`` will detect
at build time whether Pyrex is installed or not. If it is, then ``setuptools``
will use it. If not, then ``setuptools`` will silently change the
`''Extension`` objects to refer to the `''c''` counterparts of the `''.pyx''`
files, so that the normal distutils C compilation process will occur.

Of course, for this to work, your source distributions must include the C
code generated by Pyrex, as well as your original `''.pyx''` files. This means
that you will probably want to include current `''c''` files in your revision
control system, rebuilding them whenever you check changes in for the `''.pyx''`
source files. This will ensure that people tracking your project in a revision
control system will be able to build it even if they don't have Pyrex
installed, and that your source releases will be similarly usable with or
without Pyrex.

-----------------
Command Reference
-----------------

.. _alias:
``alias`` - Define shortcuts for commonly used commands

``alias`` - Define shortcuts for commonly used commands

Sometimes, you need to use the same commands over and over, but you can't
necessarily set them as defaults. For example, if you produce both development
snapshot releases and "stable" releases of a project, you may want to put
the distributions in different places, or use different ``egg_info`` tagging
options, etc. In these cases, it doesn't make sense to set the options in
a distutils configuration file, because the values of the options changed based
on what you're trying to do.

Setuptools therefore allows you to define "aliases" - shortcut names for
an arbitrary string of commands and options, using ``setup.py alias aliasname
``setup.py alias aliasname`
`, where aliasname is the name of the new alias, and the remainder of
the command line supplies its expansion. For example, this command defines
a sitewide alias called "daily", that sets various ``egg_info`` tagging
options:

``
setup.py alias --global-config daily egg_info --tag-svn-revision \
  --tag-build=development
``

Once the alias is defined, it can then be used with other setup commands,
e.g.:

``
setup.py daily bdist_egg    # generate a daily-build .egg file
setup.py daily sdist       # generate a daily-build source distro
setup.py daily sdist bdist_egg # generate both
``

The above commands are interpreted as if the word "daily" were replaced with
``egg_info --tag-svn-revision --tag-build=development``.

Note that setuptools will expand each alias *at most once* in a given command
line. This serves two purposes. First, if you accidentally create an alias
loop, it will have no effect; you'll instead get an error message about an
unknown command. Second, it allows you to define an alias for a command, that
uses that command. For example, this (project-local) alias:
setup.py alias bdist_egg bdist_egg rotate -k1 -m.egg

redefines the "bdist_egg" command so that it always runs the "rotate" command afterwards to delete all but the newest egg file. It doesn't loop indefinitely on "bdist_egg" because the alias is only expanded once when used.

You can remove a defined alias with the "--remove" (or "-r") option, e.g.::

    setup.py alias --global-config --remove daily

would delete the "daily" alias we defined above.

Aliases can be defined on a project-specific, per-user, or sitewide basis. The default is to define or remove a project-specific alias, but you can use any of the `configuration file options`_ (listed under the `saveopts`_ command, below) to determine which distutils configuration file an aliases will be added to (or removed from).

Note that if you omit the "expansion" argument to the "alias" command, you'll get output showing that alias' current definition (and what configuration file it's defined in). If you omit the alias name as well, you'll get a listing of all current aliases along with their configuration file locations.

``bdist_egg`` - Create a Python Egg for the project

=================================================================

This command generates a Python Egg (`.egg` file) for the project. Python Eggs are the preferred binary distribution format for EasyInstall, because they are cross-platform (for "pure" packages), directly importable, and contain project metadata including scripts and information about the project's dependencies. They can be simply downloaded and added to ``sys.path`` directly, or they can be placed in a directory on ``sys.path`` and then automatically discovered by the egg runtime system.

This command runs the `egg_info`_ command (if it hasn't already run) to update the project's metadata (``.egg-info``) directory. If you have added any extra metadata files to the `.egg-info` directory, those files will be included in the new egg file's metadata directory, for use by the egg runtime system or by any applications or frameworks that use that metadata.

You won't usually need to specify any special options for this command; just use ``bdist_egg`` and you're done. But there are a few options that may be occasionally useful:

``--dist-dir=DIR, -d DIR``
Set the directory where the `.egg` file will be placed. If you don't supply this, then the `--dist-dir` setting of the `bdist` command will be used, which is usually a directory named `dist` in the project directory.

```
--plat-name=PLATFORM, -p PLATFORM`
```
Set the platform name string that will be embedded in the egg's filename (assuming the egg contains C extensions). This can be used to override the distutils default platform name with something more meaningful. Keep in mind, however, that the egg runtime system expects to see eggs with distutils platform names, so it may ignore or reject eggs with non-standard platform names. Similarly, the EasyInstall program may ignore them when searching web pages for download links. However, if you are cross-compiling or doing some other unusual things, you might find a use for this option.

```
--exclude-source-files`
```
Don't include any modules' `.py` files in the egg, just compiled Python, C, and data files. (Note that this doesn't affect any `.py` files in the EGG-INFO directory or its subdirectories, since for example there may be scripts with a `.py` extension which must still be retained.) We don't recommend that you use this option except for packages that are being bundled for proprietary end-user applications, or for "embedded" scenarios where space is at an absolute premium. On the other hand, if your package is going to be installed and used in compressed form, you might as well exclude the source because Python's `traceback` module doesn't currently understand how to display zipped source code anyway, or how to deal with files that are in a different place from where their code was compiled.

There are also some options you will probably never need, but which are there because they were copied from similar `bdist` commands used as an example for creating this one. They may be useful for testing and debugging, however, which is why we kept them:

```
--keep-temp, -k`
```
Keep the contents of the `--bdist-dir` tree around after creating the `.egg` file.

```
--bdist-dir=DIR, -b DIR`
```
Set the temporary directory for creating the distribution. The entire contents of this directory are zipped to create the `.egg` file, after running various installation commands to copy the package's modules, data, and extensions here.

```
--skip-build`
```
Skip doing any "build" commands; just go straight to the install-and-compress phases.
``develop`` - Deploy the project source in "Development Mode"

This command allows you to deploy your project's source for use in one or more "staging areas" where it will be available for importing. This deployment is done in such a way that changes to the project source are immediately available in the staging area(s), without needing to run a build or install step after each change.

The `develop` command works by creating an `.egg-link` file (named for the project) in the given staging area. If the staging area is Python's `site-packages` directory, it also updates an `easy-install.pth` file so that the project is on `sys.path` by default for all programs run using that Python installation.

The `develop` command also installs wrapper scripts in the staging area (or a separate directory, as specified) that will ensure the project's dependencies are available on `sys.path` before running the project's source scripts. And, it ensures that any missing project dependencies are available in the staging area, by downloading and installing them if necessary.

Last, but not least, the `develop` command invokes the `build_ext -i` command to ensure any C extensions in the project have been built and are up-to-date, and the `egg_info` command to ensure the project's metadata is updated (so that the runtime and wrappers know what the project's dependencies are). If you make any changes to the project's setup script or C extensions, you should rerun the `develop` command against all relevant staging areas to keep the project's scripts, metadata and extensions up-to-date. Most other kinds of changes to your project should not require any build operations or rerunning `develop`, but keep in mind that even minor changes to the setup script (e.g. changing an entry point definition) require you to re-run the `develop` or `test` commands to keep the distribution updated.

Here are some of the options that the `develop` command accepts. Note that they affect the project's dependencies as well as the project itself, so if you have dependencies that need to be installed and you use `--exclude-scripts` (for example), the dependencies' scripts will not be installed either! For this reason, you may want to use EasyInstall to install the project's dependencies before using the `develop` command, if you need finer control over the installation options for dependencies.

`-u`, `--uninstall`

Un-deploy the current project. You may use the `--install-dir` or `-d` option to designate the staging area. The created `.egg-link` file will be removed, if present and it is still pointing to the project directory.
The project directory will be removed from \"easy-install.pth\" if the staging area is Python's \"site-packages\" directory.

Note that this option currently does *not* uninstall script wrappers! You must uninstall them yourself, or overwrite them by using EasyInstall to activate a different version of the package. You can also avoid installing script wrappers in the first place, if you use the \"--exclude-scripts\" (aka \"-x\") option when you run \"develop\" to deploy the project.

\"--multi-version, -m\"
"Multi-version" mode. Specifying this option prevents \"develop\" from adding an \"easy-install.pth\" entry for the project(s) being deployed, and if an entry for any version of a project already exists, the entry will be removed upon successful deployment. In multi-version mode, no specific version of the package is available for importing, unless you use \"pkg_resources.require()\" to put it on \"sys.path\", or you are running a wrapper script generated by \"setuptools\" or EasyInstall. (In which case the wrapper script calls \"require()\" for you.)

Note that if you install to a directory other than \"site-packages\", this option is automatically in effect, because \".pth\" files can only be used in \"site-packages\" (at least in Python 2.3 and 2.4). So, if you use the \"--install-dir\" or \"-d\" option (or they are set via configuration file(s)) your project and its dependencies will be deployed in multi-version mode.

\"--install-dir=DIR, -d DIR\"
Set the installation directory (staging area). If this option is not directly specified on the command line or in a distutils configuration file, the distutils default installation location is used. Normally, this will be the \"site-packages\" directory, but if you are using distutils configuration files, setting things like \"prefix\" or \"install_lib\", then those settings are taken into account when computing the default staging area.

\"--script-dir=DIR, -s DIR\"
Set the script installation directory. If you don't supply this option (via the command line or a configuration file), but you *have* supplied an \"--install-dir\" (via command line or config file), then this option defaults to the same directory, so that the scripts will be able to find their associated package installation. Otherwise, this setting defaults to the location where the distutils would normally install scripts, taking any distutils configuration file settings into account.

\"--exclude-scripts, -x\"
Don't deploy script wrappers. This is useful if you don't want to disturb existing versions of the scripts in the staging area.
``--always-copy, -a``
Copy all needed distributions to the staging area, even if they
are already present in another directory on ``sys.path``. By default, if
a requirement can be met using a distribution that is already available in
a directory on ``sys.path``, it will not be copied to the staging area.

``--egg-path=DIR``
Force the generated `.egg-link` file to use a specified relative path
to the source directory. This can be useful in circumstances where your
installation directory is being shared by code running under multiple
platforms (e.g. Mac and Windows) which have different absolute locations
for the code under development, but the same relative locations with
respect to the installation directory. If you use this option when
installing, you must supply the same relative path when uninstalling.

In addition to the above options, the `develop` command also accepts all of
the same options accepted by `easy_install` If you've configured any
`easy_install` settings in your `setup.cfg` (or other distutils config
files), the `develop` command will use them as defaults, unless you override
them in a `[develop]` section or on the command line.

``easy_install`` - Find and install packages
==============================================
This command runs the `EasyInstall tool
<easy_install.html>` for you. It is exactly
equivalent to running the `easy_install` command. All command line arguments
following this command are consumed and not processed further by the distutils,
so this must be the last command listed on the command line. Please see
the EasyInstall documentation for the options reference and usage examples.
Normally, there is no reason to use this command via the command line, as you
can just use `easy_install` directly. It's only listed here so that you know
it's a distutils command, which means that you can:

* create command aliases that use it,
* create distutils extensions that invoke it as a subcommand, and
* configure options for it in your `setup.cfg` or other distutils config
  files.

``--egg_info``

``egg_info`` - Create egg metadata and set build tags
==============================================
This command performs two operations: it updates a project's `.egg-info`
metadata directory (used by the `bdist_egg`, `develop`, and `test`
commands), and it allows you to temporarily change a project's version string, to support "daily builds" or "snapshot" releases. It is run automatically by the ``sdist``, ``bdist_egg``, ``develop``, ``register``, and ``test`` commands in order to update the project's metadata, but you can also specify it explicitly in order to temporarily change the project's version string while executing other commands. (It also generates the `.egg-info/SOURCES.txt` manifest file, which is used when you are building source distributions.)

In addition to writing the core egg metadata defined by `setuptools` and required by `pkg_resources`, this command can be extended to write other metadata files as well, by defining entry points in the `egg_info.writers` group. See the section on `Adding new EGG-INFO Files` below for more details.

Note that using additional metadata writers may require you to include a `setup_requires` argument to `setup()` in order to ensure that the desired writers are available on `sys.path`.

Release Tagging Options
-----------------------

The following options can be used to modify the project's version string for all remaining commands on the setup command line. The options are processed in the order shown, so if you use more than one, the requested tags will be added in the following order:

``--tag-build=NAME, -b NAME``
Append NAME to the project's version string. Due to the way setuptools processes "pre-release" version suffixes beginning with the letters "a" through "e" (like "alpha", "beta", and "candidate"), you will usually want to use a tag like ".build" or ".dev", as this will cause the version number to be considered *lower* than the project's default version. (If you want to make the version number *higher* than the default version, you can always leave off --tag-build and then use one or both of the following options.)

If you have a default build tag set in your `setup.cfg`, you can suppress it on the command line using `--tag-build=`` or `--tag-build=`` as an argument to the `egg_info` command.

``--tag-svn-revision, -r``
If the current directory is a Subversion checkout (i.e. has a `.svn` subdirectory, this appends a string of the form `-rNNNN` to the project's version string, where NNNN is the revision number of the most recent modification to the current directory, as obtained from the `svn info` command.

If the current directory is not a Subversion checkout, the command will look for a `PKG-INFO` file instead, and try to find the revision number
from that, by looking for a "-rNNNN" string at the end of the version number. (This is so that building a package from a source distribution of a Subversion snapshot will produce a binary with the correct version number.)

If there is no ``PKG-INFO`` file, or the version number contained therein does not end with ``-r`` and a number, then ``-r0`` is used.

``--no-svn-revision, -R``
Don't include the Subversion revision in the version number. This option is included so you can override a default setting put in ``setup.cfg``.

``--tag-date, -d``
Add a date stamp of the form "-YYYYMMDD" (e.g. "-20050528") to the project's version number.

``--no-date, -D``
Don't include a date stamp in the version number. This option is included so you can override a default setting in ``setup.cfg``.

(Note: Because these options modify the version number used for source and binary distributions of your project, you should first make sure that you know how the resulting version numbers will be interpreted by automated tools like EasyInstall. See the section above on 'Specifying Your Project's Version' for an explanation of pre- and post-release tags, as well as tips on how to choose and verify a versioning scheme for your your project.)

For advanced uses, there is one other option that can be set, to change the location of the project's ``.egg-info`` directory. Commands that need to find the project's source directory or metadata should get it from this setting:

Other ``.egg-info`` Options
--------------------------
``--egg-base=SOURCEDIR, -e SOURCEDIR``
Specify the directory that should contain the .egg-info directory. This should normally be the root of your project's source tree (which is not necessarily the same as your project directory; some projects use a ``src`` or ``lib`` subdirectory as the source root). You should not normally need to specify this directory, as it is normally determined from the ``package_dir`` argument to the ``setup()`` function, if any. If there is no ``package_dir`` set, this option defaults to the current directory.

``.egg_info`` Examples
---------------------
Creating a dated "nightly build" snapshot egg:

    python setup.py egg_info --tag-date --tag-build=DEV bdist_egg

Creating and uploading a release with no version tags, even if some default
tags are specified in ``setup.cfg``:

    python setup.py egg_info -RDb "" sdist bdist_egg register upload

(Notice that ``egg_info`` must always appear on the command line *before* any
commands that you want the version changes to apply to.)

.. _install command:
``install`` - Run ``easy_install`` or old-style installation

The setuptools ``install`` command is basically a shortcut to run the
``easy_install`` command on the current project. However, for convenience
in creating "system packages" of setuptools-based projects, you can also
use this option:

``--single-version-externally-managed``
This boolean option tells the ``install`` command to perform an "old style"
installation, with the addition of an ``.egg-info`` directory so that the
installed project will still have its metadata available and operate
normally. If you use this option, you *must* also specify the ``--root``
or ``--record`` options (or both), because otherwise you will have no way
to identify and remove the installed files.

This option is automatically in effect when ``install`` is invoked by another
distutils command, so that commands like ``bdist_wininst`` and ``bdist_rpm``
will create system packages of eggs. It is also automatically in effect if
you specify the ``--root`` option.

``--install_egg_info`` - Install an ``.egg-info`` directory in ``site-packages``

Setup tools runs this command as part of ``install`` operations that use the
``--single-version-externally-managed`` options. You should not invoke it
directly; it is documented here for completeness and so that distutils
extensions such as system package builders can make use of it. This command
has only one option:

``--install-dir=DIR, -d DIR``
The parent directory where the ``.egg-info`` directory will be placed. Defaults to the same as the ``--install-dir`` option specified for the ``install_lib`` command, which is usually the system ``site-packages`` directory.

This command assumes that the ``egg_info`` command has been given valid options via the command line or ``setup.cfg``, as it will invoke the ``egg_info`` command and use its options to locate the project's source ``.egg-info`` directory.

.. _rotate:

``rotate`` - Delete outdated distribution files

As you develop new versions of your project, your distribution (''dist'') directory will gradually fill up with older source and/or binary distribution files. The ``rotate`` command lets you automatically clean these up, keeping only the N most-recently modified files matching a given pattern.

``--match=PATTERNLIST, -m PATTERNLIST``

Comma-separated list of glob patterns to match. This option is *required*. The project name and ``-*`` is prepended to the supplied patterns, in order to match only distributions belonging to the current project (in case you have a shared distribution directory for multiple projects). Typically, you will use a glob pattern like ``*.zip`` or ``*.egg`` to match files of the specified type. Note that each supplied pattern is treated as a distinct group of files for purposes of selecting files to delete.

``--keep=COUNT, -k COUNT``

Number of matching distributions to keep. For each group of files identified by a pattern specified with the ``--match`` option, delete all but the COUNT most-recently-modified files in that group. This option is *required*.

``--dist-dir=DIR, -d DIR``

Directory where the distributions are. This defaults to the value of the ``bdist`` command's ``--dist-dir`` option, which will usually be the project's ``dist`` subdirectory.

**Example 1**: Delete all .tar.gz files from the distribution directory, except for the 3 most recently modified ones::

    setup.py rotate --match=.tar.gz --keep=3

**Example 2**: Delete all Python 2.3 or Python 2.4 eggs from the distribution directory, except the most recently modified one for each Python version::
``saveopts`` - Save used options to a configuration file

Finding and editing `distutils` configuration files can be a pain, especially since you also have to translate the configuration options from command-line form to the proper configuration file format. You can avoid these hassles by using the ``saveopts`` command. Just add it to the command line to save the options you used. For example, this command builds the project using the ``mingw32`` C compiler, then saves the --compiler setting as the default for future builds (even those run implicitly by the `install` command):

``
setup.py build --compiler=mingw32 saveopts
``

The ``saveopts`` command saves all options for every command specified on the command line to the project's local `setup.cfg` file, unless you use one of the `configuration file options` to change where the options are saved. For example, this command does the same as above, but saves the compiler setting to the site-wide (global) distutils configuration:

``
setup.py build --compiler=mingw32 saveopts -g
``

Note that it doesn't matter where you place the ``saveopts`` command on the command line; it will still save all the options specified for all commands. For example, this is another valid way to spell the last example:

``
setup.py saveopts -g build --compiler=mingw32
``

Note, however, that all of the commands specified are always run, regardless of where ``saveopts`` is placed on the command line.

Configuration File Options

``
``-global-config, -g``

Save settings to the global `distutils.cfg` file in the `distutils` package directory. You must have write access to that directory to use this option. You also can't combine this option with ``-u`` or ``-f``.
``--user-config, -u``

Save settings to the current user's ``~/.pydistutils.cfg`` (POSIX) or ``$HOME/pydistutils.cfg`` (Windows) file. You can't combine this option with ``--g`` or ``--f``.

``--filename=FILENAME, -f FILENAME``

Save settings to the specified configuration file to use. You can't combine this option with ``--g`` or ``--u``. Note that if you specify a non-standard filename, the ``distutils`` and ``setuptools`` will not use the file's contents. This option is mainly included for use in testing.

These options are used by other ``setuptools`` commands that modify configuration files, such as the `alias` and `setopt` commands.

``setopt``

``setopt`` - Set a distutils or setuptools option in a config file

==================================================================
This command is mainly for use by scripts, but it can also be used as a quick and dirty way to change a distutils configuration option without having to remember what file the options are in and then open an editor.

**Example 1**. Set the default C compiler to `mingw32` (using long option names):

```
setup.py setopt --command=build --option=compiler --set-value=mingw32
```

**Example 2**. Remove any setting for the distutils default package installation directory (short option names):

```
setup.py setopt -c install -o install_lib -r
```

Options for the ``setopt`` command:

``--command=COMMAND, -c COMMAND``

Command to set the option for. This option is required.

``--option=OPTION, -o OPTION``

The name of the option to set. This option is required.

``--set-value=VALUE, -s VALUE``

The value to set the option to. Not needed if ``--r`` or ``--remove`` is set.
``--remove, -r``

Remove (unset) the option, instead of setting it.

In addition to the above options, you may use any of the `configuration file options`_ (listed under the `saveopts`_ command, above) to determine which distutils configuration file the option will be added to (or removed from).

``_ test:

`test` - Build package and run a unittest suite
=================================================================

When doing test-driven development, or running automated builds that need testing before they are deployed for downloading or use, it's often useful to be able to run a project's unit tests without actually deploying the project anywhere, even using the ``develop`` command. The `test` command runs a project's unit tests without actually deploying it, by temporarily putting the project's source on ``sys.path``, after first running ``build_ext -i`` and ``egg_info`` to ensure that any C extensions and project metadata are up-to-date.

To use this command, your project's tests must be wrapped in a `unittest` test suite by either a function, a `TestCase` class or method, or a module or package containing `TestCase` classes. If the named suite is a module, and the module has an `additional_tests()` function, it is called and the result (which must be a `unittest.TestSuite`) is added to the tests to be run. If the named suite is a package, any submodules and subpackages are recursively added to the overall test suite. (Note: if your project specifies a `test_loader`, the rules for processing the chosen `test_suite` may differ; see the `test_loader` documentation for more details.)

Note that many test systems including `doctest` support wrapping their non-`unittest` tests in `TestSuite` objects. So, if you are using a test package that does not support this, we suggest you encourage its developers to implement test suite support, as this is a convenient and standard way to aggregate a collection of tests to be run under a common test harness.

By default, tests will be run in the "verbose" mode of the `unittest` package's text test runner, but you can get the "quiet" mode (just dots) if you supply the ``-q`` or ``--quiet`` option, either as a global option to the setup script (e.g. ``setup.py -q test``) or as an option for the `test` command itself (e.g. ``setup.py test -q``). There is one other option available:

``--test-suite=NAME, -s NAME``

Specify the test suite (or module, class, or method) to be run
The `test_suite` argument to the `setup()` function, e.g.:

```python
setup(
    # ...
    test_suite = "my_package.tests.test_all"
)
```

If you did not set a `test_suite` in your `setup()` call, and do not provide a `--test-suite` option, an error will occur.

.. _upload:

``upload`` - Upload source and/or egg distributions to PyPI

==========================================================================

The `upload` command is implemented and documented `here` in `distutils`

Setup tools augments the `upload` command with support for `keyring` `here`,
allowing the password to be stored in a secure location and not in plaintext in the .pypirc file. To use keyring, first install keyring and set the password for the relevant repository, e.g.:

```bash
python -m keyring set <repository> <username>
Password for '<username>' in '<repository>': ********
```

Then, in .pypirc, set the repository configuration as normal, but omit the password. Thereafter, uploads will use the password from the keyring.

New in 20.1: Added keyring support.

.. _upload_docs:

``upload_docs`` - Upload package documentation to PyPI

==========================================================================

PyPI now supports uploading project documentation to the dedicated URL https://pythonhosted.org/<project>/.

The `upload_docs` command will create the necessary zip file out of a documentation directory and will post to the repository.
Note that to upload the documentation of a project, the corresponding version must already be registered with PyPI using the distutils ``register`` command -- just like the ``upload`` command.

Assuming there is an ``Example`` project with documentation in the subdirectory ``docs``, e.g.::

Example/
|-- example.py
|-- setup.cfg
|-- setup.py
|-- docs
 | `-- build
 | | `-- html
 | | | | `-- index.html
 | | | `-- tips_tricks.html
 | |-- conf.py
 | |-- index.txt
 | `-- tips_tricks.txt

You can simply pass the documentation directory path to the ``upload_docs`` command::

    python setup.py upload_docs --upload-dir=docs/build/html

If no ``--upload-dir`` is given, ``upload_docs`` will attempt to run the `build_sphinx` command to generate uploadable documentation.

For the command to become available, `Sphinx <http://sphinx.pocoo.org/>`_ must be installed in the same environment as distribute.

As with other ``setuptools``-based commands, you can define useful defaults in the ``setup.cfg`` of your Python project, e.g.:

.. code-block:: ini

    [upload_docs]
    upload-dir = docs/build/html

The ``upload_docs`` command has the following options:

``--upload-dir``
The directory to be uploaded to the repository.

``--show-response``
Display the full response text from server; this is useful for debugging PyPI problems.

``--repository=URL, -r URL``
The URL of the repository to upload to. Defaults to https://pypi.python.org/pypi (i.e., the main PyPI installation).

--------------------------------
Extending and Reusing Setuptools
--------------------------------

Creating ``distutils`` Extensions
=================================

It can be hard to add new commands or setup arguments to the distutils. But the ``setuptools`` package makes it a bit easier, by allowing you to distribute a distutils extension as a separate project, and then have projects that need the extension just refer to it in their ``setup_requires`` argument.

With ``setuptools``, your distutils extension projects can hook in new commands and ``setup()`` arguments just by defining "entry points". These are mappings from command or argument names to a specification of where to import a handler from. (See the section on 'Dynamic Discovery of Services and Plugins' above for some more background on entry points.)

Adding Commands
---------------

You can add new ``setup`` commands by defining entry points in the ``distutils.commands`` group. For example, if you wanted to add a ``foo`` command, you might add something like this to your distutils extension project's setup script:

```python
setup(
    # ...
    entry_points = {
        "distutils.commands": [
            "foo = mypackage.some_module:foo",
        ],
    },
)
```

(Assuming, of course, that the ``foo`` class in ``mypackage.some_module`` is a ``setuptools.Command`` subclass.)

Once a project containing such entry points has been activated on ``sys.path``, (e.g. by running ``install`` or ``develop`` with a site-packages installation directory) the command(s) will be available to any ``setuptools``-based setup scripts. It is not necessary to use the ``--command-packages`` option or to monkeypatch the ``distutils.command`` package to install your commands;
`setuptools` automatically adds a wrapper to the distutils to search for entry points in the active distributions on `sys.path`. In fact, this is how setuptools’ own commands are installed: the setuptools project’s setup script defines entry points for them!

Adding `setup()` Arguments
------------------------------

Sometimes, your commands may need additional arguments to the `setup()` call. You can enable this by defining entry points in the `distutils.setup_keywords` group. For example, if you wanted a `setup()` argument called `bar_baz`, you might add something like this to your distutils extension project’s setup script:

```python
setup(  
    # ...
    entry_points = {  
        "distutils.commands": [  
            "foo = mypackage.some_module:foo",  
        ],  
        "distutils.setup_keywords": [  
            "bar_baz = mypackage.some_module:validate_bar_baz",  
        ],  
    },
)
```

The idea here is that the entry point defines a function that will be called to validate the `setup()` argument, if it’s supplied. The `Distribution` object will have the initial value of the attribute set to `None`, and the validation function will only be called if the `setup()` call sets it to a non-None value. Here’s an example validation function:

```python
def assert_bool(dist, attr, value):
    """Verify that value is True, False, 0, or 1""
    if bool(value) != value:
        raise DistutilsSetupError(  
            "%r must be a boolean value (got %r)" % (attr, value)
        )
```

Your function should accept three arguments: the `Distribution` object, the attribute name, and the attribute value. It should raise a `DistutilsSetupError` (from the `distutils.errors` module) if the argument is invalid. Remember, your function will only be called with non-None values, and the default value of arguments defined this way is always None. So, your commands should always be prepared for the possibility that the attribute will be `None` when they access it later.
If more than one active distribution defines an entry point for the same
``setup()`` argument, *all* of them will be called. This allows multiple
distutils extensions to define a common argument, as long as they agree on
what values of that argument are valid.

Also note that as with commands, it is not necessary to subclass or monkeypatch
the distutils ``Distribution`` class in order to add your arguments; it is
sufficient to define the entry points in your extension, as long as any setup
script using your extension lists your project in its ``setup_requires``
argument.

Adding new EGG-INFO Files
-------------------------

Some extensible applications or frameworks may want to allow third parties to
develop plugins with application or framework-specific metadata included in
the plugins' EGG-INFO directory, for easy access via the ``pkg_resources``
metadata API. The easiest way to allow this is to create a distutils extension
to be used from the plugin projects' setup scripts (via ``setup_requires``)
that defines a new setup keyword, and then uses that data to write an EGG-INFO
file when the ``egg_info`` command is run.

The ``egg_info`` command looks for extension points in an ``egg_info.writers``
group, and calls them to write the files. Here's a simple example of a
distutils extension defining a setup argument ``foo_bar``, which is a list of
lines that will be written to ``foo_bar.txt`` in the EGG-INFO directory of any
project that uses the argument::

    setup(
        # ...
        entry_points = {
            "distutils.setup_keywords": [
                "foo_bar = setuptools.dist:assert_string_list",
            ],
            "egg_info.writers": [
                "foo_bar.txt = setuptools.command.egg_info:write_arg",
            ],
        },
    )

This simple example makes use of two utility functions defined by setuptools
for its own use: a routine to validate that a setup keyword is a sequence of
strings, and another one that looks up a setup argument and writes it to
a file. Here's what the writer utility looks like::

    def write_arg(cmd, basename, filename):
        argname = os.path.splitext(basename)[0]
```python
value = getattr(cmd.distribution, argname, None)
if value is not None:
    value = \n'.join(value)+\n'
    cmd.write_or_delete_file(argname, filename, value)
```

As you can see, `egg_info.writers` entry points must be a function taking three arguments: a `egg_info` command instance, the basename of the file to write (e.g. `foo_bar.txt`), and the actual full filename that should be written to.

In general, writer functions should honor the command object's `dry_run` setting when writing files, and use the `distutils.log` object to do any console output. The easiest way to conform to this requirement is to use the `cmd` object's `write_file()`, `delete_file()`, and `write_or_delete_file()` methods exclusively for your file operations. See those methods' docstrings for more details.

Adding Support for Revision Control Systems
---------------------------------------------

If the files you want to include in the source distribution are tracked using Git, Mercurial or SVN, you can use the following packages to achieve that:

- Git and Mercurial: `setuptools_scm <https://pypi.python.org/pypi/setuptools_scm>`_
- SVN: `setuptools_svn <https://pypi.python.org/pypi/setuptools_svn>`_

If you would like to create a plugin for `setuptools` to find files tracked by another revision control system, you can do so by adding an entry point to the `setuptools.file_finders` group. The entry point should be a function accepting a single directory name, and should yield all the filenames within that directory (and any subdirectories thereof) that are under revision control.

For example, if you were going to create a plugin for a revision control system called "foobar", you would write a function something like this:

```python
def find_files_for_foobar(dirname):
    # loop to yield paths that start with `dirname`
```

And you would register it in a setup script using something like this:

```python
entry_points = {
    "setuptools.file_finders": [
        "foobar = my_foobar_module:find_files_for_foobar"
    ]
```
Then, anyone who wants to use your plugin can simply install it, and their local setuptools installation will be able to find the necessary files.

It is not necessary to distribute source control plugins with projects that simply use the other source control system, or to specify the plugins in `setup_requires`. When you create a source distribution with the `sdist` command, setuptools automatically records what files were found in the `SOURCES.txt` file. That way, recipients of source distributions don’t need to have revision control at all. However, if someone is working on a package by checking out with that system, they will need the same plugin(s) that the original author is using.

A few important points for writing revision control file finders:

* Your finder function MUST return relative paths, created by appending to the passed-in directory name. Absolute paths are NOT allowed, nor are relative paths that reference a parent directory of the passed-in directory.

* Your finder function MUST accept an empty string as the directory name, meaning the current directory. You MUST NOT convert this to a dot; just yield relative paths. So, yielding a subdirectory named `some/dir` under the current directory should NOT be rendered as `./some/dir` or `/somewhere/some/dir`, but *always* as simply `some/dir`.

* Your finder function SHOULD NOT raise any errors, and SHOULD deal gracefully with the absence of needed programs (i.e., ones belonging to the revision control system itself. It *may*, however, use `distutils.log.warn()` to inform the user of the missing program(s).

Subclassing `Command`
----------------------

Sorry, this section isn't written yet, and neither is a lot of what's below this point.

XXX

Reusing `setuptools` Code
-------------------------

`ez_setup`
-----------

XXX
``setuptools.archive_util``
-----------------------------
XXX

``setuptools.sandbox``
----------------------
XXX

``setuptools.package_index``
----------------------------
XXX

Mailing List and Bug Tracker
============================
Please use the `distutils-sig mailing list`_ for questions and discussion about setuptools, and the `setuptools bug tracker`_ ONLY for issues you have confirmed via the list are actual bugs, and which you have reduced to a minimal set of steps to reproduce.

.. _distutils-sig mailing list: http://mail.python.org/pipermail/distutils-sig/
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1.6120 libmagic 1:5.25 2ubuntu1.2

1.6121 paramiko 2.4.2

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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.

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Mersenne Twister

----------------

The `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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Sockets
-------

The `socket` module uses the functions, `getaddrinfo`, and `getnameinfo`, which are coded in separate source files from the WIDE Project, http://www.wide.ad.jp/. ::

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L. Peter Deutsch
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at

http://www.ietf.org/rfc/rfc1321.txt

The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include any code or documentation that is identified in the RFC as being copyrighted.

The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.
1999-11-04 lpd Edited comments slightly for automatic TOC extraction.
1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5); added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.
1999-05-03 lpd Original version.

Asynchronous socket services
-----------------------------

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libffi
------

The :mod:`_ctypes` extension is built using an included copy of the libffi sources unless the build is configured `--with-system-libffi`::

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----

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Jean-loup Gailly        Mark Adler
jloup@gzip.org          madler@alumni.caltech.edu

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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Clarification letter:

The following was received February 23, 2000
From: "Linn, John" <jlinn@rsasecurity.com>

February 19, 2000

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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.

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++STARTUP: showall

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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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
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_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g Utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
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1.6138 libefivar1 34 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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1.6162 jrt-fs 11.0.7

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+++ libx11-1.6.7/ChangeLog
@@ -1,60 +1,3 @@
-commit f3c978476e0be6813268af494efb7ac507451116
-Author: Matt Turner <mattst88@gmail.com>
-Date:   Tue Oct 9 10:26:05 2018 -0400
-
-    libX11 1.6.7
-
-    Signed-off-by: Matt Turner <mattst88@gmail.com>
-
-commit 823a0f8a820247b6c1e092f679b49cbdc2ea5c95
-Author: Michel Dänzer <michel.daenzer@amd.com>
-Date:   Fri Sep 28 17:24:17 2018 +0200
-
-    poll_for_event: Allow using xcb_poll_for_queued_event
-
-    It avoids reading from the display connection again in cases where that
- was already done.
- Suggested-by: Uli Schlachter <psychon@znc.in>
- Reviewed-by: Uli Schlachter <psychon@znc.in>
- -commit 406afe4b0f1b655c0db19bbcc9a0c48da9a46acf5
- Author: Michel Dänzer <michel.daenzer@amd.com>
- Date: Tue Sep 25 17:10:58 2018 +0200
- -poll_for_response: Call poll_for_event again if xcb_poll_for_reply fails
- - If xcb_poll_for_reply fails to find a reply, poll_for_response would
- always return NULL. However, xcb_poll_for_reply may have read events
- from the display connection while looking for a reply. In that case,
- returning NULL from poll_for_response is wrong and can result in the
- client hanging, e.g. because it returns to waiting for the display
- connection file descriptor becoming readable after XPending incorrectly
- returned 0 pending events.
- - The solution is to call poll_for_event again after xcb_poll_for_reply
- returned 0. This will return the first of any events read by
- xcb_poll_for_reply.
- - Fixes issue #79.
- - Reported-by: Yuxuan Shui <yshuiv7@gmail.com>
- Bugzilla: https://bugs.freedesktop.org/108008
- Bugzilla: https://bugs.freedesktop.org/107992
- Reviewed-by: Adam Jackson <ajax@redhat.com>
- -commit d0416863d5b175af54ce81f6c30d4c1476b5e04f
- Author: Bhavi Dhingra <b.dhingra@samsung.com>
- Date: Mon Sep 28 08:33:40 2015 +0000
- - XcmsLookupColor: fully initialize XColor structs passed to _XColor_to_XcmsRGB
- - Fixes https://gitlab.freedesktop.org/xorg/lib/libx11/issues/44
- aka https://bugs.freedesktop.org/show_bug.cgi?id=92154
- - Reviewed-by: Alan Coopersmith <alan.coopersmith@oracle.com>
- - Signed-off-by: Alan Coopersmith <alan.coopersmith@oracle.com>
- -commit 733f64bf2b311c1d040b2f751bfdef9e9d0f89ef
Author: Matthieu Herrb <matthieu@herrb.eu>
Date: Tue Aug 21 16:54:50 2018 +0200
@@ -4044,6 +3987,9 @@
Reviewed-by: Peter Hutterer <peter.hutterer@who-t.net>
Signed-off-by: Alan Coopersmith <alan.coopersmith@oracle.com>
+Notes:
+    CVE-2013-7439
+commit 3cdb6c3a1646f670afa03d424ec12ac418181d1e
Author: Quentin Glidic <sardemff7+git@sardemff7.net>
Date:   Tue Jan 15 21:07:17 2013 +0000
--- libx11-1.6.7.orig/autogen.sh
+++ libx11-1.6.7/autogen.sh
@@ -0,0 +1,17 @@
+#!/ /bin/sh
+
+srcdir=`dirname "$0"`
+test -z "$srcdir" && srcdir=. 
+
+ORIGDIR=`pwd`
+cd "$srcdir"
+
+autoreconf -v --install || exit 1
+cd "SORIGDIR" || exit $?
+
+git config --local --get format.subjectPrefix >/dev/null 2>&1 ||
+    git config --local format.subjectPrefix "PATCH libX11"
+    
+if test -z "$NOCONFIGURE"; then
+    exec "$srcdir"/configure "$@"
+fi
--- libx11-1.6.7.orig/debian/README.source
+++ libx11-1.6.7/debian/README.source
@@ -0,0 +1,55 @@
------------------------------------------------------
Quick Guide To Patching This Package For The Impatient
------------------------------------------------------

1. Make sure you have quilt installed
2. Unpack the package as usual with "dpkg-source -x"
3. Run the "patch" target in debian/rules
4. Create a new patch with "quilt new" (see quilt(1))
5. Edit all the files you want to include in the patch with "quilt edit"
   (see quilt(1)).
6. Write the patch with "quilt refresh" (see quilt(1))
7. Run the "clean" target in debian/rules

Alternatively, instead of using quilt directly, you can drop the patch in to
debian/patches and add the name of the patch to debian/patches/series.

While building from git, dpkg-source can complain about symlinks vs.
normal files mismatches. To work around this issue, before uploading,
+and without committing:
+
+  find -type l | while read dest; do src=$(readlink -f $dest); rm $dest; cp $src $dest; done
+
+------------------------------------
+Guide To The X Strike Force Packages
+------------------------------------
+
+The X Strike Force team maintains X packages in git repositories on
+git.debian.org in the pkg-xorg subdirectory. Most upstream packages
+are actually maintained in git repositories as well, so they often
+just need to be pulled into git.debian.org in a "upstream-*" branch.
+Otherwise, the upstream sources are manually installed in the Debian
+git repository.
+
+The .orig.tar.gz upstream source file could be generated using this
+"upstream-*" branch in the Debian git repository but it is actually
+copied from upstream tarballs directly.
+
+Due to X.org being highly modular, packaging all X.org applications
+as their own independent packages would have created too many Debian
+packages. For this reason, some X.org applications have been grouped
+into larger packages: xutils, xutils-dev, x11-apps, x11-session-utils,
+x11-utils, x11-xfss-utils, x11-xgb-utils, x11-xserver-utils.
+Most packages, including the X.org server itself and all libraries
+and drivers are, however maintained independently.
+
+The Debian packaging is added by creating the "debian-*" git branch
+which contains the aforementioned "upstream-*" branch plus the debian/
+repository files.
+When a patch has to be applied to the Debian package, two solutions
+are involved:
+  * If the patch is available in one of the upstream branches, it
+    may be git'cherry-picked into the Debian repository. In this
+    case, it appears directly in the .diff.gz.
+  * Otherwise, the patch is added to debian/patches/ which is managed
+    with quilt as documented in /usr/share/doc/quilt/README.source.

--- libx11-1.6.7.orig/debian/changelog
+++ libx11-1.6.7/debian/changelog
@@ -0,0 +1,1002 @@
+libx11 (2:1.6.7-1) unstable; urgency=medium
+
+  * New upstream release.
+  * fix video freezing in firefox with amdgpu
+  * upstream: Add key from Matt Turner.
+
+  -- Timo Aaltonen <tjaalton@debian.org>  Tue, 09 Oct 2018 18:03:26 +0300
+

Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 60787
* New upstream release.
  * Move libx11-doc from Recommends to Suggests (Closes: #648443).
  * Add debian/README.source
  * Set source format to 1.0.
  * Bump standards version to 4.2.0.

-- Andreas Boll <aboll@debian.org>  Wed, 22 Aug 2018 21:22:31 +0200

* Add Matt Turner's key to d/u/signing-key.asc
* New upstream release.
* Update VCS metadata for move to salsa.

-- Julien Cristau <jcristau@debian.org>  Sun, 18 Mar 2018 16:22:50 +0100

* debian/libx11-6.symbols: use arch-bits=64 rather than listing all
* 64-bits architectures, which is not future-proof.

[ Emilio Pozuelo Monfort ]
* debian/libx11-6.symbols: use arch-bits=64 rather than listing all
* 64-bits architectures, which is not future-proof.

[ Julien Cristau ]
* Fix two regressions introduced in 2:1.6.4-1:
*  Fix wrong Xfree in XListFonts failure path
*  Revert cs_CZ.UTF-8 XLC_LOCALE to en_US.UTF-8 (closes: #847345)
*  Build-depend on dpkg-dev 1.18.0 for arch-bits support in dpkg-gensymbols.

-- Julien Cristau <jcristau@debian.org>  Sat, 28 Jan 2017 00:06:50 +0100

* Fix arch:all-only build.

[ Emilio Pozuelo Monfort ]
* New upstream release.
* Fixes CVE-2016-7942 and CVE-2016-7943 (Closes: #840439).
* Bump libxcb1-dev build-dep to 1.11.1 per configure.ac.
* Update a bunch of URLs in packaging to https.

[ Julien Cristau ]
+ * Update d/upstream/signing-key.asc with Matthieu Herrb's key.
+ [ Emilio Pozuelo Monfort ]
+ * Cherry-pick upstream commit 20a3f99 to plug a memory leak in the
+   security fix.
+ * Bump debhelper compat to 10.
+ * Switch from old debhelper to dh.
+ * Drop workaround for old tarballs not shipping some files.
+ * Switch to -dbgsym packages.
+ * Bump Standards-Version to 3.9.8, no changes.
+ * Drop libtool and automake build dependencies, debhelper takes
+   care of that for us now.
+ + Emilio Pozuelo Monfort <pochu@debian.org>  Tue, 06 Dec 2016 01:38:30 +0100
+ +libx11 (2:1.6.3-1) unstable; urgency=medium
+ + * New upstream release.
+ * Drop 006_tailor_pt_BR.UTF-8_Compose.diff, no longer necessary.
+ * Rediff 003_recognize_glibc_2.3.2_locale_names.diff.
+ * Let uscan verify tarball signatures.
+ +-- Julien Cristau <jcristau@debian.org>  Thu, 30 Apr 2015 22:31:01 +0200
+ +libx11 (2:1.6.2-3) unstable; urgency=medium
+ + [ Julien Cristau ]
+ + * libx11-6.symbols: yet another 64bit arch (ppc64el). Closes: #749728.
+ +-- Cyril Brulebois <kibi@debian.org>  Mon, 18 Aug 2014 01:39:32 +0200
+ +libx11 (2:1.6.2-2) unstable; urgency=low
+ + [ Julien Cristau ]
+ + * Yet more 64 bit archs in symbols file: mips64{,el} (closes: #722088).
+ * Remove Cyril Brulebois from Uploaders.
+ * Bump debhelper compat level from 5 to 7.
+ * Switch from xsfbs.mk to standard quilt patching.
+ + [ Colin Watson ]
+ + * Declare libx11-xcb-dev Multi-Arch: same (closes: #727231).
+ +-- Julien Cristau <jcristau@debian.org>  Sun, 11 May 2014 18:04:23 +0200
+ +libx11 (2:1.6.2-1) unstable; urgency=low
+ + [ Julien Cristau ]
+ + * So apparently the 64-bit powerpc port is called ppc64 (closes: #613820).
libx11 (2:1.4.99.901-2) unstable; urgency=low
+
+ * Add AC_CHECK_DECL(issetugid) to fix FTBFS on kfreebsd (closes: #669670).
+
+ -- Julien Cristau <jcristau@debian.org>  Sun, 29 Apr 2012 16:55:39 +0200
+
+libx11 (2:1.4.99.901-1) unstable; urgency=low
+
+ * New upstream release candidate (1.5 RC1)
+ * XQueryColors: split a request into multiple requests if necessary
+  (closes: #278984)
+ * Revert "xcb: Add TCP fallback" (closes: #659558)
+ * Don't require (fake)root for debian/rules clean.
+ * Drop xorg-sgml-doctools dependency from libx11-dev, the css is now
+  included in the html files directly. Also add Breaks in addition to the
+  Replaces on old libx11-dev.
+ * Add build-indep and build-arch targets, don't build specs in build-arch.
+ * Rediff 006_tailor_pt_BR.UTF-8_Compose.diff and
+  015_russian_locale_alias.diff.
+ * Upload to unstable.
+
+ -- Julien Cristau <jcristau@debian.org>  Thu, 19 Apr 2012 22:58:30 +0200
+
+libx11 (2:1.4.99.1-1) experimental; urgency=low
+
+ [ Julien Cristau ]
+ * Move xorg-sgml-doctools dependency from -dev to -doc.
+ * Move libx11-doc from section libdevel to doc (closes: #648706).
+
+ [ Cyril Brulebois ]
+ * New upstream release candidate:
+ * Bug fixes, specs clean-up, new compose sequences.
+ * Add GetRequestSized.
+ * Bump xorg-sgml-doctools build-dep.
+ * Refresh patch:
+ * 006_tailor_pt_BR.UTF-8_Compose.diff
+ * Add symbol:
+ * _XGetRequest@Base
+ * Bump shlibs accordingly, for the udeb.
+
+ -- Cyril Brulebois <kibi@debian.org>  Thu, 22 Dec 2011 12:58:15 +0100
+
+libx11 (2:1.4.4-4) unstable; urgency=low
+
+ * debian/rules: since the documentation is moved to libx11-doc, the
+ exception handling for libx11-xcb-dev needs to also look at libx11-doc,
+ not libx11-dev.
+ -- Steve Langasek <vorlon@debian.org>  Fri, 11 Nov 2011 06:51:51 -0800
+ libx11 (2:1.4.4-3) unstable; urgency=low
+ * Split documentation out from libx11-dev into a separate libx11-doc
  package, so that libx11-dev can be multiarch co-installable.
+ -- Steve Langasek <vorlon@debian.org>  Wed, 09 Nov 2011 12:13:26 -0800
+ libx11 (2:1.4.4-2) unstable; urgency=low
+ [ Colin Watson ]
+ * Fix cross-compilation breakage due to a typo in the multiarch patch
  (closes: #642402)
+ -- Julien Cristau <jcristau@debian.org>  Thu, 22 Sep 2011 17:42:39 +0200
+ libx11 (2:1.4.4-1) unstable; urgency=low
+ * New upstream release.
+ * Drop xorg.css from libx11-dev, depend on xorg-sgml-doctools instead.
+ -- Julien Cristau <jcristau@debian.org>  Sat, 30 Jul 2011 22:14:56 +0200
+ libx11 (2:1.4.3-3) unstable; urgency=low
+ [ Julien Cristau ]
+ * Add lintian override for the libx11-private dep in libx11-6.symbols.
+ [ Cyril Brulebois ]
+ * Fix the FTBFS on s390x (Closes: #635692): Add s390x to the list of
  64-bit architectures in the symbols file. Thanks, Aurélien Jarno!
+ -- Cyril Brulebois <kibi@debian.org>  Thu, 28 Jul 2011 15:08:36 +0200
+ libx11 (2:1.4.3-2) unstable; urgency=low
+ * Team upload.
+ [ Steve Langasek ]
+ * Build for multiarch.
+ [ Julien Cristau ]
+ * Bump Standards-Version to 3.9.2.
+ * Properly clean up libtool m4 files.
+ -- Julien Cristau <jcristau@debian.org>  Sat, 11 Jun 2011 14:06:01 +0200
+
+libx11 (2:1.4.3-1) unstable; urgency=low
+
+ * New upstream release:
+   - Add Sinhala support.
+   - Add Docbook external references support.
+ * Bump x11proto-core-dev build-dep to make defining XK_SINHALA useful.
+ * Bump xutils-dev build-dep for newer macros.
+
+ -- Cyril Brulebois <kibi@debian.org> Tue, 05 Apr 2011 23:42:05 +0200
+
+libx11 (2:1.4.2-1) unstable; urgency=low
+
+ [ Timo Aaltonen ]
+ * New upstream release. (closes: #463159)
+
+ [ Cyril Brulebois ]
+ * Bump x11proto-xf86bigfont-dev build-dep.
+
+ -- Cyril Brulebois <kibi@debian.org> Sat, 26 Mar 2011 00:36:43 +0100
+
+libx11 (2:1.4.1-5) unstable; urgency=low
+
+ * Mark x11-data Multi-Arch: foreign.
+
+ -- Steve Langasek <vorlon@debian.org> Mon, 21 Feb 2011 20:01:35 -0800
+
+libx11 (2:1.4.1-4) unstable; urgency=low
+
+ * Bump Standards-Version to 3.9.1.
+ * specs were converted from groff to xml, so we can ship the html version
  now.
+ * Drop Build-Dependencies on groff/ghostscript/... since the docs were
  converted to xml.
+
+ -- Julien Cristau <jcristau@debian.org> Mon, 07 Feb 2011 12:36:09 +0100
+
+libx11 (2:1.4.1-3) unstable; urgency=low
+
+ * Remove David Nusinow and Brice Goglin from Uploadingers. Thanks for all your
  work!
+ * Drop Conflicts on sarge-era xlibs-data, Replaces on sarge-era libx11-6,
  Pre-Depends on x11-common (needed for upgrades from sarge), and Conflicts
  against pre-XCB libx11-6.
+ * Wrap debian/control Depends fields.
+ * Upload to unstable.
+
+ -- Julien Cristau <jcristau@debian.org> Sun, 06 Feb 2011 22:42:28 +0100
+
+libx11 (2:1.4.1-2) experimental; urgency=low
+
+ * Make libx11-data break earlier versions of libx11-6, since those rely
+ on XKeysymDB, resulting in a non-functional keyboard and plenty of
+ such messages: “Internal error: Could not resolve keysym *”. 
+
+ -- Cyril Brulebois <kibi@debian.org>  Tue, 18 Jan 2011 18:47:22 +0100
+
+libx11 (2:1.4.1-1) experimental; urgency=low
+
+ [ Julien Cristau ]
+ * New upstream release.
+ + - lots of fixes for multithreaded apps
+ + - X11 users can now compose anarchism (closes: #555938)
+
+ [ Robert Hooker ]
+ * New upstream release.
+ + * Don't install unshipped XKeysymDB.
+ * Bump xutils-dev build-dep to 1:7.5+5 for util-macros 1.11 requirement.
+
+ [ Cyril Brulebois ]
+ * New new (new) upstream release.
+ * As a temporary measure, add 020_keep_xorg_css.diff to avoid having to
+ depend on xorg-sgml-doctools just for xorg.css.
+ * Refresh all patches.
+ * Some functions got hidden by upstream in aebbf36238, since “none of
+ the functions in Xprivate.h should have any callers outside of Xlib,
+ by definition”. As a consequence, drop the following symbols from
+ libx11-6.symbols:
+ - _XIDHandler@Base
+ - _XSetPrivSyncFunction@Base
+ - _XSetSeqSyncFunction@Base
+ * Drop obsolete --enable-man-pages=3 from configure flags.
+ * Pass --with-xmlio and --without-fop for the documentation generation.
+ * Add xmlio, xorg-sgml-doctools, w3m build-dep accordingly.
+ * Remove *.xml before running dh_install, there's no point in shipping
+ those files.
+ * Update debian/copyright from upstream COPYING.
+
+ -- Cyril Brulebois <kibi@debian.org>  Thu, 13 Jan 2011 01:18:40 +0100
+
+libx11 (2:1.3.3-3) unstable; urgency=low
+
+ [ Julien Cristau ]
+ * Drop manpage from libx11-6-udeb.
+ * Don't install X11 locale data in the udeb. The installer uses only gtk
+ apps so this is useless (and big).
* Cherry-pick patch from upstream to run user’s synchandlers as well as any internal synchandlers: 75ea8c3793. This fixes xnee issues when RECORD extension is enabled (Closes: #536491; LP: #378648).
* Merge xsfbs/debian-unstable to fix double autoreconf runs.

+ -- Cyril Brulebois <kibi@debian.org> Tue, 13 Apr 2010 14:46:16 +0200
+ +libx11 (2:1.3.3-2) unstable; urgency=low
+ + [ Julien Cristau ]
+ * Update debian/copyright from upstream COPYING.
+ * Remove myself from Upolders
+ + [ Brice Goglin ]
+ * Remove Jamey Sharp and Josh Triplett from Upolders, closes: #568274.
+ + [ Cyril Brulebois ]
+ * Add udeb needed for the graphical installer: libx11-6-udeb.
+ * Bump the B-D on libxcb1-dev to ensure libx11-6-udeb gets a dependency on libxcb1-udeb.
+ * Bump Standards-Version from 3.8.3 to 3.8.4 (no changes needed).
+ * Add myself to Upolders.
+ + -- Cyril Brulebois <kibi@debian.org> Thu, 11 Mar 2010 01:06:06 +0100
+ +libx11 (2:1.3.3-1) unstable; urgency=low
+ + * xtrans has been fixed to not make us export a weak in6addr_any. Adjust libx11-6.symbols accordingly (closes: #560648).
+ * Rename the build directory to not include DEB_BUILD_GNU_TYPE for no good reason. Thanks, Colin Watson!
+ * Update symbols file for sparc64 (closes: #560400). Thanks, Aurélien Jarno!
+ * New upstream release
+ * XCopyGC argument order in manpage (LP: #408337)
+ * Bump xutils-dev build-dep for new util-macros.
+ * Install the Compose man page in libx11-data.
+ * Rediff patches 003_recognize_glibc_2.3.2_locale_names.diff, 007_iso8859-15_Compose_fix.diff, 008_remove_lo_Compose.diff, 009_remove_th_Compose.diff, 015_russian_locale_alias.diff.
+ * libx11-6.symbols: add xlocaledir, made non-static in 1.3.3.
+ + -- Julien Cristau <jcristau@debian.org> Sat, 16 Jan 2010 22:47:32 +0000
+ +libx11 (2:1.3.2-1) unstable; urgency=low
+ + [ Julien Cristau ]
+ * libx11-6.symbols: _XkbReadBufferCopy32, _XkbReadCopyData32 and
+ _XkbWriteCopyData32 are only present on 64-bit architectures.
+ * Unmark the following symbols as private, they're being used:
+   - _XRegisterFilterByMask
+   - _XRegisterFilterByType
+   - _XUnregisterFilter
+   - _XInitKeysymDB
+   - _Xevent_to_mask
+ * Build the Xlib specs and install them in libx11-dev.
+ * Upload to unstable.
+
+ [ Timo Aaltonen ]
+ * New upstream release.
+ * Bump the build-dep on xutils-dev (>= 1:7.5~1).
+
+ -- Julien Cristau <jcristau@debian.org> Mon, 23 Nov 2009 20:50:03 +0100
+
+libx11 (2:1.3-1) experimental; urgency=low
+
+ * libx11-6.symbols: mark some more stuff as private.
+ * libx11-6.symbols: add kfreebsd-amd64 tag for 64-bit symbols.
+ * Run dpkg-gensymbols with -c4 to catch mismatches between the symbols file
+   and the library.
+ * New upstream release.
+ * Cherry-pick patch from upstream git to avoid an error in configure due to
+   underquoting.
+ * Fix 006_tailor_pt_BR.UTF-8_Compose.diff to apply on new upstream.
+ * Bump Standards-Version to 3.8.3.
+
+ -- Julien Cristau <jcristau@debian.org> Mon, 12 Oct 2009 15:28:23 +0200
+
+libx11 (2:1.2.99.901-1) experimental; urgency=low
+
+ [ Brice Goglin ]
+ * Bump Standards-Version to 3.8.2.
+
+ [ Julien Cristau ]
+ * Drop 002_arm_abi_brain_damage.diff, the old ABI arm port is gone.
+ * Use a glob in libx11-6.install and libx11-xcb1.install.
+ * Add tentative symbols file for libX11.so.6. Many private symbols still
+   included.
+ * Build-depend on dpkg 1.15.3, to get support for tags in the symbols file.
+ * New upstream release candidate
+ + add {left,right}wards arrow to en_US.UTF-8 compose table
+ + (closes: #532117). Thanks, Filippo Giunchedi!
+
+ -- Julien Cristau <jcristau@debian.org> Wed, 05 Aug 2009 17:04:28 +0200
+
libx11 (2:1.2.2-1) unstable; urgency=low

[ Julien Cristau ]
+ * Move dbg packages to new debug section.
+ * Kill preinst which handled upgrades from early Ubuntu versions (before
  +  breezy). This is long obsolete.

[ Brice Goglin ]
+ * New upstream release.
+  + Fix fi_FI.UTF-8, closes: #519474.
+  + Fix thai XIM filtering keys when NumLock/CapsLock is on, closes: #443800.
+  + Add myself to Uploaders.

-- Brice Goglin <bgoglin@debian.org>  Sun, 19 Jul 2009 19:21:16 +0200

libx11 (2:1.2.1-1) unstable; urgency=low

+ * New upstream release.
+  + fixes fi_FI.UTF-8 locale (closes: #519474)
+  + adds sr_RS locale (closes: #507940)
+  + adds hu_HU.utf8 locale alias (closes: #407573)
+  + Compose entries for some standard mathematical operators
+  + (closes: #411734)
+  + * Patch 012_ru_RU_UTF-8_XLC_LOCALE.diff removed, applied upstream.
+  + * Update patches 003_recognize_glibc_2.3.2_locale_names.diff,
+  + 006_tailor_pt_BR.UTF-8_Compose.diff and 015_russian_locale_alias.diff.
+  + * 003_recognize_glibc_2.3.2_locale_names.diff: don't comment out the
+  +  microsoft-cp* entries from compose.dir (closes: #511354). Thanks, Sergei
+  +  Golovan!
+  + * 003_recognize_glibc_2.3.2_locale_names.diff: don't comment out the eo_XX
+  +  entries from compose.dir and locale.dir (closes: #479058). Thanks, Luiz
+  +  Portella!
+  + * 009_remove_th_Compose.diff: new patch, comment out the th_TH.UTF-8 entry
+  +  from compose.dir, to allow Thai XIM as default for X apps
+  + (closes: #520509). Thanks, Theppitak Karoonboonyanan!

-- Julien Cristau <jcristau@debian.org>  Wed, 08 Apr 2009 12:31:21 +0100

libx11 (2:1.2.1-1) unstable; urgency=low

+ * New upstream release.
+  + * Remove obsolete ld.so.conf handling from libx11-6 postinst.
+  + * Run autoreconf on build; add build-deps on automake, libtool, xutils-dev.
+  + * Handle parallel builds.
+  + * Refresh patches 003_recognize_glibc_2.3.2_locale_names.diff and
+  + 012_ru_RU_UTF-8_XLC_LOCALE.diff.
+  + * Use a wildcard for usr/share/X11/locale instead of listing every single
+  + file.
+ + -- Julien Cristau <jcristau@debian.org> Mon, 09 Mar 2009 16:36:09 +0100
+ +libx11 (2:1.1.99.2-1) experimental; urgency=low
+ +  * New upstream release.
+  * Use new xcb socket handoff mechanism, update (build-)dependencies.
+  * Refresh patches.
+  * Build-dep on x11proto-core-dev >= 7.0.13.
+ + -- Julien Cristau <jcristau@debian.org> Mon, 01 Dec 2008 22:37:28 +0100
+ +libx11 (2:1.1.5-2) unstable; urgency=medium
+ +  * Cherry-picked from upstream git: Fix an XCB leak when the client has a
+  * non-fatal error handler.
+ + -- Julien Cristau <jcristau@debian.org> Thu, 25 Sep 2008 17:45:25 +0200
+ +libx11 (2:1.1.5-1) unstable; urgency=low
+ + [ Brice Goglin ]
+  * Add upstream URL to debian/copyright.
+  * Add a link to www.X.org and a reference to the upstream module
+  * in the long description.
+ + [ Timo Aaltonen ]
+  * New upstream release.
+  * Adds missing <cedilla> Compose sequences (closes: #394068)
+ + [ Julien Cristau ]
+  * 014_add_Khmer_digraphs.diff: remove, applied upstream
+  * 006_tailor_pt_BR.UTF-8_Compose.diff: update
+ + -- Julien Cristau <jcristau@debian.org> Sun, 14 Sep 2008 19:09:33 +0200
+ +libx11 (2:1.1.4-2) unstable; urgency=low
+ +  * Drop Pre-Depends on x11-common from libx11-6, libx11-data and libx11-xcb1.
+  * Pull from upstream libX11-1.1-branch
+  * Fixes Compose sequences for finnish keyboards (closes: #467142)
+  * Interrobang has been added to the en_US.UTF-8 Compose file
+  * (closes: #300160)
+  * Update patch 006_tailor_pt_BR.UTF-8_Compose.diff, refresh others.
+  * Drop the NEWS entry about sun java. sun-java6 is now fixed, and libxcb
+  * doesn't abort() anymore on the locking error.
+  * (Finally) upload Xlib/XCB to unstable.
+
Julien Cristau <jcristau@debian.org> Mon, 09 Jun 2008 16:27:23 +0200
+ libx11 (2:1.1.4-1) experimental; urgency=low
+ [ Timo Aaltonen ]
+ * control: libx11-data Replaces old versions of libx11-6 to enable upgrades from Ubuntu 6.06.
+ [ Julien Cristau ]
+ * New upstream release
+ + fixes XIM hang when switching input contexts (closes: #437437)
+ * Update patch stack:
+ + 003_recognize_glibc_2.3.2_locale_names.diff: fixup; drop the hunk under #ifdef WIN32, as I don't care enough to fix it
+ + 004_en_US.UTF-8_Compose_fix_Unicode_plane_1.diff: remove, applied upstream
+ + 005_Compose_fix_latin1_UTF8.diff: remove, applied upstream
+ + 006_tailor_pt_BR.UTF-8_Compose.diff: fixup
+ + 007_iso8859-15_Compose_fix.diff: refresh
+ + 008_remove_ko_Compose.diff: refresh
+ + 009_iso8859-15_Compose_Eurosign.diff: remove, applied upstream
+ + 012_ru_RU_UTF-8_XLC_LOCALE.diff: refresh
+ + 014_add_Khmer_digraphs.diff: fixup
+ + 015_russian_locale_alias.diff: refresh
+ * Bump Standards-Version to 3.7.3 (no changes).
+ * Drop XS- prefix from Vcs-* control fields.
+ * Fix malformed trailer line in libx11-6.NEWS (thanks, lintian).
+ -- Julien Cristau <jcristau@debian.org> Sat, 08 Mar 2008 03:13:07 +0100
+ libx11 (2:1.1.3-1) experimental; urgency=low
+ [ Julien Cristau ]
+ * New upstream release.
+ + Fix locking in _XimGetWindowEventmask (closes: #427296).
+ + fix XGetMotionEvents arguments order (closes: #431421).
+ + XGetCommand(3) clarified (closes: #133348).
+ + XrmCombineDatabase(3) fixed (closes: #393434).
+ * Install the upstream NEWS file in libx11-6 in addition to the git changelog.
+ * Use binary:Version instead of Source-Version in debian/control.
+ [ Josh Triplett ]
+ * Expand the description of the problem with Sun Java in libx11-6.NEWS.
+ -- Julien Cristau <jcristau@debian.org> Thu, 02 Aug 2007 04:13:46 +0200
+ libx11 (2:1.1.2-1) experimental; urgency=low
+ [ Brice Goglin ]
+ * Drop -DLIBXCURSOR from CFLAGS since upstream default is now correct
  + (closes: #392618).
+ * Add en_DK.ISO-8859-15 to 003_recognize_glibc_2.3.2_locale_names.diff
  + Thanks Kaare Hviid. (closes: #419192).
+
+ [ Julien Cristau ]
+ * Add XS-Vcs-Git and XS-Vcs-Browser in debian/control.
+ * New upstream release:
  + typo in XRecolorCursor.man fixed, closes: #225839;
  + XRegisterIMInstantiateCallback manpage fixed, closes: #232133;
  + XGetVisualInfo manpage fixed, closes: 399094;
  + greek Compose file updated, patch 016_greek_polytonic_Compose.diff
    dropped;
  + file descriptor leak in modules/im/ximcp/imLePrs.c:parseline() fixed,
    patch 021_compose_fclose.diff dropped;
+ * Add a watch file.
+ * Don't run dh_install with --list-missing in binary-indep, there are too
  + many false positives for it to be useful.
+ * Document workarounds for sun-java5-bin and sun-java6-bin in libx11-6.NEWS.
+ * Strip all packages, not just the shared libs.
+
+ --- Julien Cristau <jcristau@debian.org> Wed, 06 Jun 2007 04:46:09 +0200
+
+libx11 (2:1.1.1-1) experimental; urgency=low
+
+ [ Michel Dänzer ]
+ * libx11-dev Depends: libxcb-xlib0-dev, because x11.pc references xcb-xlib
  + (closes: #410117).
+
+ [ Julien Cristau ]
+ * New upstream release.
+ * Install upstream ChangeLog.
+ * libx11-dev doesn't seem to need to depend on libxext-dev
  + (closes: #366676).
+ * Use dh_installman in debian/rules to replace ".so" links with symlinks.
+
+ --- Julien Cristau <jcristau@debian.org> Fri,  9 Feb 2007 01:17:05 +0100
+
+libx11 (2:1.1.2-1) experimental; urgency=low
+
+ [ Josh Triplett ]
+ * Include some upstream post-1.1 fixes in debian/patches:
  + * "Bug #9153: Fix access to freed memory."
  + * "Bug #9154: Always process an event for _XReadEvents, even if an error
    occurs"; fixes an assertion failure, first observed with xcompmgr.
* "Debian bug #354315: Clarify return value in XGetWindowAttributes man page" (closes: 354315)
* Fix override discrepancies: library packages go in libs, -dbg and -dev
  packages go in libdevel. Fix for both the libx11 packages and the new
  libx11-xcb packages.

+ -- Josh Triplett <josh@freedesktop.org>  Sat, 25 Nov 2006 14:37:58 -0800
+ +libx11 (2:1.1-1) experimental; urgency=low
+ + [ Josh Triplett, Jamey Sharp ]
+  * New upstream version.
+  * Add ourselves to Upiators.
+  * Forward-port patches:
+    * 001_no_xkb_in_pc_file.diff: update
+    * 003_recognize_glibc_2.3.2_locale_names.diff: update
+    * 004_en_US.UTF-8_Compose_fix_Unicode_plane_1.diff: update
+    * 005_Compose_fix_latin1_UTF8.diff: update
+    * 010_manpage_suffixes.diff: delete, applied upstream
+    * 012_ru_RU_UTF-8_XLC_LOCALE.diff: update
+    * 014_add_Khmer_digraphs.diff: update
+    * 015_russian_locale_alias.diff: update
+    * 016_greek_polytonic_Compose.diff: update
+    * 019_new_autoconf.diff: delete, applied upstream
+    * 020_CVE-2006-5397.diff: delete, applied upstream
+    * Stop registering /usr/X11R6/lib in /etc/ld.so.conf in the postinst;
+      instead, deregister it if no libraries remain in it. Remove deregistration
+      in postrm, and remove now-unnecessary postrm.
+    * Add Build-Depends on libxcb1-dev >= 0.9.92 and libxcb-xlib0-dev >= 0.9.92.
+    * Remove Build-Depends not needed with Xlib/XCB: bigreqsproto, xcmiscproto,
+      libxau-dev, and libxdmcp-dev.
+    * libx11-dev has some unnecessary Depends, but other packages currently rely
+      on them, so removal will wait until a later version.
+    * Add library, -dev, and -dbg packages for new library libX11-xcb. Modify
+      rules to handle these new packages.
+    * libX11-xcb Conflicts: libx11-6 (<< 2:1.1), since it requires a version with
+      Xlib/XCB.
+    * Add a NEWS.Debian to libx11-6, with Xlib/XCB information.
+    * Add XS-Vcs-Git field.
+    * Remove old upstream CVS information from package descriptions.
+    * Reword package descriptions to stop calling Xlib "the" client interface.
+    + -- Josh Triplett <josh@freedesktop.org>  Fri, 24 Nov 2006 17:36:55 -0800
+    + +libx11 (2:1.0.3-7) unstable; urgency=high
+    + + * Grab patch from upstream git to fix CVE-2007-1667 (the patch included in
+      2:1.0.3-6 was incomplete). This closes: #414045.
+ --- Julien Cristau <jcristau@debian.org> Tue, 03 Apr 2007 18:45:51 +0200
+ +libx11 (2:1.0.3-6) unstable; urgency=high
+ + * Add patch by Daniel Kobras <kobras@debian.org> to add more input
+ + validation to XInitImage(), to fix security issues (closes: #414045).
+ + --- Julien Cristau <jcristau@debian.org> Fri, 09 Mar 2007 02:23:06 +0100
+ + +libx11 (2:1.0.3-5) unstable; urgency=high
+ + * Remove /usr/X11R6/lib from /etc/ld.so.conf in postinst if it's no longer
+ + needed, instead of adding it there.
+ + * Add patch 021_compose_fclose.diff to fix file descriptor leak when a
+ + Compose file uses the "include" directive. Urgency high because this bug
+ + can have security implications.
+ + * Add myself to Up uploaders, and remove Fabio and Branden with their
+ + permission.
+ + --- Julien Cristau <julien.cristau@ens-lyon.org> Thu, 01 Feb 2007 13:09:20 +0100
+ + +libx11 (2:1.0.3-4) unstable; urgency=low
+ + * Some patches got lost in the upgrade from 1.0.0 (2:1.0.0-9) to 1.0.3:
+ + - 015_russian_locale_alias.diff. Closes: #368655.
+ + This aligns with the glibc russian definition of ru_RU.KOI8-R in
+ + /usr/share/locale/locale.alias. Note that this only applies to
+ + Debian's glibc, see bug #62586 and glibc 2.2.5-4. Because of the
+ + constraint imposed by glibc in /usr/share/locale/locales/ru_RU,
+ + we cannot likewise change ru and ru_RU away from ISO8859-5.
+ + They really should be using ru_RU.UTF-8 anyway.
+ + - 017_FTBSF_makekeys.diff can be left out since it is applied in 1.0.3.
+ + --- Drew Parsons <dparsons@debian.org> Wed, 22 Nov 2006 00:26:36 +1100
+ + +libx11 (2:1.0.3-3) unstable; urgency=high
+ + [ Julien Cristau ]
+ + * Urgency high for security bugfix (CVE-2006-5397).
+ + * Add patch 020_CVE-2006-5397 to fix double fopen() of compose file
+ + (closes: #398460). Thanks to Stefan Fritsch for the report.
+ + --- David Nusinow <dnusinow@debian.org> Tue, 14 Nov 2006 19:56:01 -0500
+ + +libx11 (2:1.0.3-2) unstable; urgency=low
+ +
+ [ Denis Barbier ]
+ * Drop --enable-loadable-i18n from confflags, it does not work with 1.0.3.
+ * Closes: #392567  Thanks Jérôme Marant
+ +-- David Nusinow <dnusinow@debian.org>  Fri, 13 Oct 2006 13:25:59 -0400
+ +libx11 (2:1.0.3-1) unstable; urgency=low
+ + [ David Nusinow ]
+ * New upstream release
+ * Dump obsolete patch 10 for manpage fix and 13 for setuid fix
+ * Run dh_install with --list-missing
+ * Remove obsolete patch 011
+ * Bump debhelper compat to 5
+ * Upstream fix allows building in gnu environments. Thanks Samuel
+ Thibault, Robert Millan, and Michael Banck. Closes: #358708
+ * Add 019_new_autoconf.diff to allow us to not break the server in
+ horrendous ways using newer versions of autoconf. Thanks to Jamey Sharp
+ for pointing this patch out in upstream HEAD.
+ * Add 010_manpage_suffixes.diff to dynamically generate the internal manpage
+ section using __libmansuffix__ the same way the actual file suffix is
+ generated, so that they match and lintian becomes useful again here
+ * Add pre-dependson x11-common for the -dev package
+ + [ Denis Barbier ]
+ * Sync patches:
+  + 003_recognize_glibc_2.3.2_locale_names.diff
+  + 005_Compose_fix_latin1_UTF8.diff
+  + 006_tailor_pt_BR.UTF-8_Compose.diff
+  + 014_add_Khmer_digraphs.diff
+ * Add 014_add_Khmer_digraphs.diff. Khmer keyboards have to generate
+ several characters with a single keystroke, so define them in
+ en_US.UTF-8/Compose. They will be added later to all UTF-8 files.
+ Thanks Paul Wise. (closes: #355957)
+ * Add support for Khmer locale in 003_recognize_glibc_2.3.2_locale_names.diff
+ + [ 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>  Tue, 10 Oct 2006 22:34:36 -0400
+ +libx11 (2:1.0.0-9) unstable; urgency=low
+ + [ Drew Parsons ]
+ * Add 015_russian_locale_alias.diff. Locale alias for russian was incorrect,
it should be ru_RU.KOI8-R as in glibc locale.alias. Thanks Andrei Lahun.
(closes: #368655)

* Add 016_greek.polytonic_Compose.diff. Add compose sequences with the right breathing signs U0313/U0314 to el_GR.UTF-8/Compose.
Thanks Jan Willem Stumpel. (closes: #386471)

* Add 017_FTBSF_makekeys.diff. Fix a FTBFS when compiling with
  x11proto-core-dev >= 7.0.3, backported from upstream.
Thanks Goswin von Brederlow. (closes: #387133)

-- Denis Barbier <barbier@debian.org> Thu, 14 Sep 2006 01:35:19 +0200
+libx11 (2:1.0.0-8) unstable; urgency=low

* Add 18_nonlinux.diff to fix building in gnu environments. Thanks Samuel Thibault, Robert Millan, and Michael Banck. Closes: #358708

-- David Nusinow <dnusinow@debian.org> Wed, 27 Sep 2006 21:07:10 -0400
+libx11 (2:1.0.0-7) unstable; urgency=high

* Security update. Fix for setuid privilege escalation vulnerabilities.
* Bump standards version to 3.7.2.0

-- David Nusinow <dnusinow@debian.org> Sat, 1 Jul 2006 17:05:07 -0400
+libx11 (2:1.0.0-6) unstable; urgency=low

* Remove libx11-dev's dependencies on libxi-dev and libxkbfile-dev. Add a dependency on x11proto-input-dev instead. This should break some circular dependencies. Thanks go yet again to Kurt Roeckx.

-- David Nusinow <dnusinow@debian.org> Tue, 11 Apr 2006 18:17:46 -0400
+libx11 (2:1.0.0-5) unstable; urgency=low

* Upload to unstable

-- David Nusinow <dnusinow@debian.org> Thu, 23 Mar 2006 22:44:26 -0500
+libx11 (2:1.0.0-4) experimental; urgency=low

{ David Nusinow }

* Remove libx11-dev versioned dependency on libxbxext-dev. This was preventing bootstrapping of libxbxext. Thanks Eugene Konev.

{ Denis Barbier }
+ * Add Build-Depends: x11proto-input-dev, quilt. Thanks Kurt Roeckx.
+ (Closes: #356918).
+
+ -- David Nusinow <dnusinow@debian.org>  Tue, 21 Mar 2006 19:55:58 -0500
+ +libx11 (2:1.0.0-3) experimental; urgency=low
+
+ [ David Nusinow ]
+ * Stop using the xsfbs autoreconf script. The main benefit of using quilt in
+ keeping the patches separate is for submitting things upstream and porting
+ our changes between upstream releases. Keeping the automatically generated
+ build system stuff in patches also doesn't fall under this use category.
+ * Make libx11-6 conflict with xlibs-data. Thanks Kurt Roeckx.
+ (closes: #356415)
+
+ -- David Nusinow <dnusinow@debian.org>  Sun, 12 Mar 2006 14:00:31 -0500
+ +libx11 (2:1.0.0-2) experimental; urgency=low
+
+ [ David Nusinow ]
+ * Properly install all the contents of /usr/lib/X11/locale. Thanks Zephenia
+  E. Hull.
+ * Provide versioned build-depends on the X libs. Thanks Kurt Roeckx.
+  (closes: #354161)
+ * Provide libx11-dev dependencies on libxdmcp-dev.
+  Thanks Kurt Roeckx. (closes: #354167)
+ * Add a bunch of depends to libx11-dev from the monolith. Thanks Eugene
+  Konev for the pointer.
+ * Add 001_no_xkb_in_pc_file.diff because we don't need x11proto-input-dev.
+  Thanks Eugene Konev.
+
+ [ Eugene Konev ]
+ * Move locale data in separate libx11-data package. Make libx11-6 depend
+  on it.
+ * libx11-6.install.in? Huh? Replaced with libx11-6.install
+ * Add real binary-indep.
+ * Add patches from 6.9:
+  - 002_arm_abi_brain_damage.diff
+  - 003_recognize_glibc_2.3.2_locale_names.diff
+  - 004_en_US.UTF-8_Compose_fix_Uncode_plane_1.diff
+  - 005_Compose_fix_latin1_UTF8.diff
+  - 006_tailor_pt_BR.UTF-8_Compose.diff
+  - 007_iso8859-15_Compose_fix.diff
+  - 008_remove_ko_Compose.diff
+  - 009_iso8859-15_Compose Eurosiong.diff
+  - 012_ru_UTF-8_XLC_LOCALE.diff
+ * Adjust Pre-depends for libx11-6. Remove depends on x11-common from
+  libx11-dbg and libx11-dev as they depend on libx11-6 anyway.
+ * Run dh_install with --fail-missing if there is checkinstall in
+  DEB_BUILD_OPTIONS
+ * Resurrect libx11-6.post\{inst,rm\}.in. Add genscripts to build target's
+  dependencies.
+ * Fix libx11-6.preinst.in to include shellib and define appropriate vars.
+ * Grab fixes for manpages section from Xorg CVS
+   - 010_manpages_fix.diff
+ * Grab ubuntu patch to support XLICENSELIBDIR separate from XLICENSEDIR
+   - 011_stolen_fromUbuntu_xlicenselibdir.diff
+ * Use --enable-loadable-i18n to confflags.
+ * Add x-common Pre-Depends to libx11-6, as we ship stuff in

+ -- Eugene Konev <ejka@imfi.kspu.ru>  Mon, 27 Feb 2006 13:45:29 +0700
+ +libx11 (2:1.0.0-1) experimental; urgency=low
+ * First upload to Debian
+ * Remove versioned build-dep on x11proto-core-dev, since the first package
+  we'll be uploading will be versioned properly for us
+ * Remove patch dir as the patch has been incorporated by upstream
+ -- David Nusinow <dnusinow@debian.org>  Thu, 29 Dec 2005 20:51:20 -0500
+ +libx11 (1:6.2.1+cvs.20050722-8) breezy; urgency=low
+ * Fix non-UTF-8 locales by fixing generation of compose.dir, locale.alias,
+   and locale.dir in nls/ (closes: Ubuntu#13724).
+ -- Daniel Stone <daniel.stone@ubuntu.com>  Fri, 30 Sep 2005 16:30:55 +1000
+ +libx11 (1:6.2.1+cvs.20050722-7) breezy; urgency=low
+ * Move man pages back to section 3 (closes: Ubuntu#16290).
+ -- Daniel Stone <daniel.stone@ubuntu.com>  Thu, 29 Sep 2005 11:26:11 +1000
+ +libx11 (1:6.2.1+cvs.20050722-6) breezy; urgency=low
+ * Add libx11-dev Build-Depends on x11proto-kb-dev, so we get XKBstr.h, which
+   makes XKBlib.h usable.
+ * Add foo_t and TRANS_CLIENT defines to Xtrans users; thanks Isaac Richards
+   for the catch (closes: Ubuntu#12052).
+ -- Daniel Stone <daniel.stone@ubuntu.com>  Fri, 19 Aug 2005 15:19:33 +1000
+ +libx11 (1:6.2.1+cvs.20050722-5) breezy; urgency=low
+ * Add x-common Pre-Depends to libx11-6, as we ship stuff in
+ /usr/lib/X11.
+
+ -- Daniel Stone <daniel.stone@ubuntu.com> Thu, 18 Aug 2005 12:12:45 +1000
+ +libx11 (1:6.2.1+cvs.20050722-4) bazaar; urgency=low
+ + * Fix search path for libXcursor.
+ + * Add .s to compose.dir to get composition working in apps which use the
+ + default X input method (closes: Ubuntu#12184).
+ + -- Daniel Stone <daniel.stone@ubuntu.com> Mon, 8 Aug 2005 13:32:12 +1000
+ + +libx11 (1:6.2.1+cvs.20050722-3) bazaar; urgency=low
+ + * Make ErrDes.c and StrKeysym.c look for XKEYSYMDB and XERRORDB, not
+ + KEYSYMDB and ERRORDB, with the pleasant side-effect that they look
+ + directly in /usr/share/X11, not /usr/lib/X11, so we can throw the cheesy
+ + symlinks away. This fixes some corner cases in hoary upgrades.
+ + -- Daniel Stone <daniel.stone@ubuntu.com> Mon, 1 Aug 2005 13:17:15 +1000
+ + +libx11 (1:6.2.1+cvs.20050722-2) bazaar; urgency=low
+ + * Move locale data back to /usr/share and libraries to /usr/lib. XlcDL.c
+ + and lcFile.c hacked to accommodate this, as well as configure.ac. This
+ + fixes all the locale problems, AFAICT. (closes: Ubuntu#12142)
+ + -- Daniel Stone <daniel.stone@ubuntu.com> Tue, 26 Jul 2005 23:00:21 +1000
+ + +libx11 (1:6.2.1+cvs.20050722-1) bazaar; urgency=low
+ + * Fix locales harder: add the old loadable locale modules back.
+ * Although architecture-independent locale data has been moved to
+ /usr/lib/X11/locale because of limitations in the path-parsing code.
+ + Argh!
+ * Bump Build-Depends on x11proto-core-dev to today's CVS; -D_XOPEN_SOURCE
+ + begone!
+ + -- Daniel Stone <daniel.stone@ubuntu.com> Fri, 22 Jul 2005 22:29:21 +1000
+ + +libx11 (1:6.2.1+cvs.20050711-1) bazaar; urgency=low
+ + * New CVS snapshot, incorporating patch #086 from the monolith.
+ + -- Daniel Stone <daniel.stone@ubuntu.com> Mon, 11 Jul 2005 10:10:44 +1000
+ + +libx11 (1:6.2.1+cvs.20050615-5) bazaar; urgency=low
+ +
+ * Bump libx11-6 -> xlibs-data Conflicts/Replaces to -34; Tollef's -33 did
+   not change this.
+
+ -- Daniel Stone <daniel.stone@ubuntu.com> Tue, 5 Jul 2005 01:41:19 +1000
+
+libx11 (1:6.2.1+cvs.20050615-4) breezy; urgency=low
+
+ * Make Build-Depends and Depends on x11proto-core-dev explicitly >=
+   6.8.99.8-1 (hi LaMont!).
+ * Add symlinks to X{Error,KeySym}DB from /usr/{X11R6,}lib/X11. Bump
+   Conflicts on xlibs-data up to -33. Add symlinks to locale data in
+   /usr/{X11R6,}lib/X11 (closes: Ubuntu#12081).
+
+ -- Daniel Stone <daniel.stone@ubuntu.com> Fri, 17 Jun 2005 15:58:44 +1000
+
+libx11 (1:6.2.1+cvs.20050615-3) breezy; urgency=low
+
+ * Add missing build-depends on:
+   - pkg-config, x11proto-kb-dev, x11proto-input-dev
+
+ -- Adam Conrad <adconrad@ubuntu.com> Thu, 16 Jun 2005 13:50:14 +0000
+
+libx11 (1:6.2.1+cvs.20050615-2) breezy; urgency=low
+
+ * Move Build-Depends-Indep to Build-Depends to fix FTBFSs.
+
+ -- Adam Conrad <adconrad@ubuntu.com> Thu, 16 Jun 2005 08:53:59 +0000
+
+libx11 (1:6.2.1+cvs.20050615-1) breezy; urgency=low
+
+ * First libx11 release.
+ * XCB support removed for now.
+
+ -- Daniel Stone <daniel.stone@ubuntu.com> Mon, 16 May 2005 22:10:17 +1000

--- libx11-1.6.7.orig/debian/compat
+++ libx11-1.6.7/debian/compat
@@ -0,0 +1 @@
+10
--- libx11-1.6.7.orig/debian/control
+++ libx11-1.6.7/debian/control
@@ -0,0 +1,168 @@
+Source: libx11
+Section: x11
+Priority: optional
+Maintainer: Debian X Strike Force <debian-x@lists.debian.org>
+Build-Depends:
+  debhelper (>= 10),
+  dpkg-dev (>= 1.18.0),
+ pkg-config,
+ xtrans-dev,
+ x11proto-core-dev (>= 7.0.21),
+ x11proto-kb-dev,
+ x11proto-input-dev,
+ x11proto-xext-dev,
+ x11proto-xf86bigfont-dev (>= 1.2.0),
+ libxcb1-dev (>= 1.11.1),
+ quilt,
+ xutils-dev (>= 1:7.6+2),
+ specs
+ xmlto,
+ xorg-sgml-doctools (>= 1:1.10),
+ w3m,
+Standards-Version: 4.2.0
+Vcs-Git: https://salsa.debian.org/xorg-team/lib/libx11
+Vcs-Browser: https://salsa.debian.org/xorg-team/lib/libx11

+Package: libx11-6
+Section: libs
+Architecture: any
+Depends:
+ ${shlibs:Depends},
+ ${misc:Depends},
+ libx11-data,
+Pre-Depends: ${misc:Pre-Depends}
+Multi-Arch: same
+Description: X11 client-side library
+ This package provides a client interface to the X Window System, otherwise
+ known as 'Xlib'. It provides a complete API for the basic functions of the
+ window system.
+.
+ More information about X.Org can be found at:
+ <URL:https://www.X.org>
+.
+ This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libX11
+
+Package: libx11-6-udeb
+XC-Package-Type: udeb
+Section: debian-installer
+Architecture: any
+Depends:
+ ${shlibs:Depends},
+ ${misc:Depends},
+Description: X11 client-side library
+ This is a udeb, or a microdeb, for the debian-installer.
Package: libx11-data
Architecture: all
Depends:
  + ${misc:Depends},
Breaks: libx11-6 (<< 2:1.4.1)
Multi-Arch: foreign
Description: X11 client-side library
+ This package provides the locale data files for libx11.
+ 
+ More information about X.Org can be found at:
+ <URL:https://www.X.org>
+ 
+ This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libX11
+
Package: libx11-dev
Section: libdevel
Architecture: any
Multi-Arch: same
Depends:
  + ${shlibs:Depends},
  + ${misc:Depends},
  + libx11-6 (= ${binary:Version}),
  + libxau-dev (>= 1:1.0.0-1),
  + libxdmcp-dev (>= 1:1.0.0-1),
  + x11proto-core-dev (>= 7.0.17),
  + x11proto-input-dev,
  + x11proto-krb-dev,
  + xtrans-dev,
  + libxcb1-dev,
Suggests: libx11-doc
Description: X11 client-side library (development headers)
+ This package provides a client interface to the X Window System, otherwise
+ known as 'Xlib'. It provides a complete API for the basic functions of the
+ window system.
+ 
+ This package contains the development headers for the library found in
+ libx11-6. Non-developers likely have little use for this package.
+ 
+ More information about X.Org can be found at:
+ <URL:https://www.X.org>
+ 
+ This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libX11
+
Package: libx11-xcb1
Section: libs
Architecture: any
+Depends:
+ ${shlibs:Depends},
+ ${misc:Depends},
+Pre-Depends: ${misc:Pre-Depends}
+Multi-Arch: same
+Description: Xlib/XCB interface library
+ libX11-xcb provides functions needed by clients which take advantage of
+ Xlib/XCB to mix calls to both Xlib and XCB over the same X connection.
+ .
+ More information about X.Org can be found at:
+ <URL:https://www.X.org>
+ .
+ More information about XCB can be found at:
+ <URL:https://xcb.freedesktop.org>
+ .
+ This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libX11
+ .
+Package: libx11-xcb-dev
+Section: libdevel
+Architecture: any
+Multi-Arch: same
+Depends:
+ ${shlibs:Depends},
+ ${misc:Depends},
+ libx11-xcb1 (= ${binary:Version}),
+ libxcb1-dev (>= 1.11.1),
+ libx11-dev,
+Description: Xlib/XCB interface library (development headers)
+ libX11-xcb provides functions needed by clients which take advantage of
+ Xlib/XCB to mix calls to both Xlib and XCB over the same X connection.
+ .
+ This package contains the development headers for the library found in
+ libx11-xcb1. Non-developers likely have little use for this package.
+ .
+ More information about X.Org can be found at:
+ <URL:https://www.X.org>
+ .
+ More information about XCB can be found at:
+ <URL:https://xcb.freedesktop.org>
+ .
+ This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libX11
+ .
+Package: libx11-doc
+Section: doc
+Architecture: all
+Multi-Arch: foreign
+Description: X11 client-side library (development documentation)
+ This package provides a client interface to the X Window System, otherwise
+ known as 'Xlib'. It provides a complete API for the basic functions of the
+ window system.
+.
+ This package contains supplemental documentation for the library found in
+ libx11-6. Non-developers likely have little use for this package.
+.
+ More information about X.Org can be found at:
+ <URL:https://www.X.org>
+.
+ This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libX11
--- libx11-1.6.7.orig/debian/copyright
+++ libx11-1.6.7/debian/copyright
@@ -0,0 +1,944 @@
+This package was downloaded from
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--- libx11-1.6.7.orig/debian/libx11-6-udeb.install
+++ libx11-1.6.7/debian/libx11-6-udeb.install
@@ -0,0 +1,5 @@
# from libx11-6:
/usr/lib/*/libX11.so.6*  /usr/lib
+
# from libx11-data:
/usr/share/X11/XErrorDB
--- libx11-1.6.7.orig/debian/libx11-6.NEWS
+++ libx11-1.6.7/debian/libx11-6.NEWS
@@ -0,0 +1,32 @@
libx11 (2:1.1-1) experimental; urgency=low
+
[ Josh Triplett, Jamey Sharp ]
+ libx11 1.1 includes our work on Xlib/XCB, which uses XCB as the Xlib
+ transport layer, and allows a client to use both Xlib and XCB on the
+ same connection. This allows clients to transition from Xlib to XCB
+ incrementally.  libx11-6 1.1 is API- and ABI-compatible with previous
+ versions, and does not require any software or package changes.
+
+ Ideally, you will not notice any
+ change at all. However, Xlib/XCB includes some additional
+ code to check for bugs in calling software. If you encounter a problem, you
+ will most likely just see an application disappear, due to having triggered
+ an assertion and aborted. If you ran the application from a terminal, you
+ can look there to see error output and get more details; otherwise, look at
+ ~/.xsession-errors. These assertions look like one of these:
+
+
+ Both of these represent bugs in a caller of libX11, and *not* in
+ libX11 or libxcb. The first assertion means that a caller attempted
+ to lock the display while already locked. The second assertion means
+ that a caller attempted to unlock the display without having it
+ locked. If you encounter such bugs, please report a bug against the
+ offending software (*not* libx11-6 or libxcb), provide a backtrace,
+ and X-Debbugs-CC: xcb@lists.freedesktop.org if you need help tracking
+ down the problem. If the bug always consistently occurs when running
+ the application (or in the case of a library, invoking the library),
+ use severity "important", and raise to "grave" after the etch release.
+
+ -- Josh Triplett <josh@freedesktop.org>  Fri, 24 Nov 2006 17:36:55 -0800
--- libx11-1.6.7.orig/debian/libx11-6.install
+ XQueryTree@Base 0
+ XRaiseWindow@Base 0
+ XReadBitmapFile@Base 0
+ XReadBitmapFileData@Base 0
+ XRebindKeysym@Base 0
+ XRecolorCursor@Base 0
+ XReconfigureWMWindow@Base 0
+ XRectInRegion@Base 0
+ XRefreshKeyboardMapping@Base 0
+ XRegisterIMInstantiateCallback@Base 0
+ XRemoveConnectionWatch@Base 0
+ XRemoveFromSaveSet@Base 0
+ XRemoveHost@Base 0
+ XRemoveHosts@Base 0
+ XReparentWindow@Base 0
+ XResetScreenSaver@Base 0
+ XResizeWindow@Base 0
+ XResourceManagerString@Base 0
+ XRemoveHosts@Base 0
+ XRemoveHost@Base 0
+ XRootWindow@Base 0
+ XRootWindowOfScreen@Base 0
+ XRotateBuffers@Base 0
+ XRotateWindowProperties@Base 0
+ XSaveContext@Base 0
+ XScreenCount@Base 0
+ XScreenNumberOfScreen@Base 0
+ XScreenOfDisplay@Base 0
+ XScreenResourceString@Base 0
+ XSelectInput@Base 0
+ XSendEvent@Base 0
+ XServerVendor@Base 0
+ XSetAccessControl@Base 0
+ XSetAfterFunction@Base 0
+ XSetArcMode@Base 0
+ XSetAuthorization@Base 0
+ XSetBackground@Base 0
+ XSetClassHint@Base 0
+ XSetClipMask@Base 0
+ XSetClipOrigin@Base 0
+ XSetClipRectangles@Base 0
+ XSetCloseDownMode@Base 0
+ XSetCommand@Base 0
+ XSetDashes@Base 0
+ XSetErrorHandler@Base 0
+ XSetFillRule@Base 0
+ XSetFillStyle@Base 0
+ XSetFont@Base 0
+ XSetFontPath@Base 0
+ XShrinkRegion@Base 0
+ XStoreBuffer@Base 0
+ XStoreBytes@Base 0
+ XStoreColor@Base 0
+ XStoreColors@Base 0
+ XStoreName@Base 0
+ XStoreNamedColor@Base 0
+ XStringListToTextProperty@Base 0
+ XStringToKeysym@Base 0
+ XSubImage@Base 0
+ XSubtractRegion@Base 0
+ XSynchronizesLocal@Base 0
+ XSynchronize@Base 0
+ XTranslateCoordinates@Base 0
+ XUndefineCursor@Base 0
+ XUngrabButton@Base 0
+ XUngrabKey@Base 0
+ XUngrabKeyboard@Base 0
+ XUngrabPointer@Base 0
+ XUngrabServer@Base 0
+ XUninstallColormap@Base 0
+ XUnionRectWithRegion@Base 0
+ XUnionRegion@Base 0
+ XUnloadFont@Base 0
+ XUnlockDisplay@Base 0
+ XUnmapSubwindows@Base 0
+ XUnmapWindow@Base 0
+ XUnregisterIMInstantiateCallback@Base 0
+ XUnsetICFocus@Base 0
+ XVaCreateNestedList@Base 0
+ XVendorRelease@Base 0
+ XVisualIDFromVisual@Base 0
+ XWarpPointer@Base 0
+ XWhitePixel@Base 0
+ XWhitePixelOfScreen@Base 0
+ XWidthMMOfScreen@Base 0
+ XWidthOfScreen@Base 0
+ XWindowEvent@Base 0
+ XWithdrawWindow@Base 0
+ XWriteBitmapFile@Base 0
+ XXorRegion@Base 0
+ XkbAllocDeviceInfo@Base 0
+ XkbAllocGeomColors@Base 0
+ XkbAllocGeomDoodads@Base 0
+ XkbAllocGeomKeyAliases@Base 0
+ XkbAllocGeomKeys@Base 0
+ XkbAllocGeomOutlines@Base 0
+ XkbAllocGeomOverlayKeys@Base 0
+ XkbAllocGeomOverlayRows@Base 0
+ XkbAllocGeomOverlays@Base 0
+ XkbAllocGeomPoints@Base 0
+ XkbAllocGeomProps@Base 0
+ XkbAllocGeomRows@Base 0
+ XkbAllocGeomSectionDoodads@Base 0
+ XkbAllocGeomSections@Base 0
+ XkbAllocGeomShapes@Base 0
+ XkbAllocGeometry@Base 0
+ XkbAllocIndicatorMaps@Base 0
+ XkbAllocKeyboard@Base 0
+ XkbAllocNames@Base 0
+ XkbAllocServerMap@Base 0
+ XkbApplyCompatMapToKey@Base 0
+ XkbApplyVirtualModChanges@Base 0
+ XkbBell@Base 0
+ XkbBellEvent@Base 0
+ XkbChangeDeviceInfo@Base 0
+ XkbChangeEnabledControls@Base 0
+ XkbChangeKeycodeRange@Base 0
+ XkbChangeMap@Base 0
+ XkbChangeNames@Base 0
+ XkbChangeTypesOfKey@Base 0
+ XkbComputeEffectiveMap@Base 0
+ XkbComputeRowBounds@Base 0
+ XkbComputeSectionBounds@Base 0
+ XkbComputeShapeBounds@Base 0
+ XkbComputeShapeTop@Base 0
+ XkbCopyKeyType@Base 0
+ XkbCopyKeyTypes@Base 0
+ XkbDeviceBell@Base 0
+ XkbDeviceBellEvent@Base 0
+ XkbFindOverlayForKey@Base 0
+ XkbForceBell@Base 0
+ XkbForceDeviceBell@Base 0
+ XkbFreeClientMap@Base 0
+ XkbFreeCompatMap@Base 0
+ XkbFreeComponentList@Base 0
+ XkbFreeControls@Base 0
+ XkbFreeDeviceInfo@Base 0
+ XkbFreeGeomColors@Base 0
+ XkbFreeGeomDoodads@Base 0
+ XkbFreeGeomKeyAliases@Base 0
+ XkbFreeGeomKeys@Base 0
+ XkbFreeGeomOutlines@Base 0
+ XkbFreeGeomOverlayKeys@Base 0
+ XkbFreeGeomOverlayRows@Base 0
+ XkbFreeGeomOverlays@Base 0
+ XkbFreeGeomRows@Base 0
+ XkbFreeGeomSections@Base 0
+ XkbFreeGeomShapes@Base 0
+ XkbFreeGeometry@Base 0
+ XkbFreeIndicatorMaps@Base 0
+ XkbFreeKeyboard@Base 0
+ XkbFreeNames@Base 0
+ XkbFreeServerMap@Base 0
+ XkbGetAutoRepeatRate@Base 0
+ XkbGetAutoResetControls@Base 0
+ XkbGetCompatMap@Base 0
+ XkbGetControls@Base 0
+ XkbGetDetectableAutoRepeat@Base 0
+ XkbGetDeviceButtonActions@Base 0
+ XkbGetDeviceInfo@Base 0
+ XkbGetDeviceInfoChanges@Base 0
+ XkbGetDeviceLedInfo@Base 0
+ XkbGetGeometry@Base 0
+ XkbGetIndicatorMap@Base 0
+ XkbGetIndicatorState@Base 0
+ XkbGetKeyActions@Base 0
+ XkbGetKeyBehaviors@Base 0
+ XkbGetKeyExplicitComponents@Base 0
+ XkbGetKeyModifierMap@Base 0
+ XkbGetKeySyms@Base 0
+ XkbGetKeyTypes@Base 0
+ XkbGetKeyVirtualModMap@Base 0
+ XkbGetKeyboard@Base 0
+ XkbGetKeyboardByName@Base 0
+ XkbGetMap@Base 0
+ XkbGetMapChanges@Base 0
+ XkbGetNamedDeviceIndicator@Base 0
+ XkbGetNamedGeometry@Base 0
+ XkbGetNamedIndicator@Base 0
+ XkbGetNames@Base 0
+ XkbGetPerClientControls@Base 0
+ XkbGetState@Base 0
+ XkbGetUpdatedMap@Base 0
+ XkbGetVirtualMods@Base 0
+ XkbGetXlibControls@Base 0
+ XkbIgnoreExtension@Base 0
+ XkbInitCanonicalKeyTypes@Base 0
+ XkbKeyTypesForCoreSymbols@Base 0
+ XkbKeyCodeToKeysym@Base 0
+ XkbKeysymToModifiers@Base 0
+ XkbLatchGroup@Base 0
+ XkbLatchModifiers@Base 0
+ XkbLibraryVersion@Base 0
+ XkbListComponents@Base 0
+ XkbLockGroup@Base 0
+ XkbLockModifiers@Base 0
+ XkbLookupKeyBinding@Base 0
+ XkbLookupKeySym@Base 0
+ XkbNoteControlsChanges@Base 0
+ XkbNoteDeviceChanges@Base 0
+ XkbNoteMapChanges@Base 0
+ XkbNoteNameChanges@Base 0
+ XkbOpenDisplay@Base 0
+ XkbQueryExtension@Base 0
+ XkbRefreshKeyboardMapping@Base 0
+ XkbResizeDeviceButtonActions@Base 0
+ XkbResizeKeyActions@Base 0
+ XkbResizeKeySyms@Base 0
+ XkbResizeKeyType@Base 0
+ XkbSelectEventDetails@Base 0
+ XkbSelectEvents@Base 0
+ XkbSetAtomFuncs@Base 0
+ XkbSetAutoRepeatRate@Base 0
+ XkbSetAutoResetControls@Base 0
+ XkbSetCompatMap@Base 0
+ XkbSetControls@Base 0
+ XkbSetDebuggingFlags@Base 0
+ XkbSetDetectableAutoRepeat@Base 0
+ XkbSetDeviceButtonActions@Base 0
+ XkbSetDeviceInfo@Base 0
+ XkbSetDeviceLedInfo@Base 0
+ XkbSetGeometry@Base 0
+ XkbSetIgnoreLockMods@Base 0
+ XkbSetIndicatorMap@Base 0
+ XkbSetMap@Base 0
+ XkbSetNamedDeviceIndicator@Base 0
+ XkbSetNamedIndicator@Base 0
+ XkbSetNames@Base 0
+ XkbSetPerClientControls@Base 0
+ XkbSetServerInternalMods@Base 0
+ XkbSetXlibControls@Base 0
+ XkbToControl@Base 0
+ XkbTranslateKey@Base 0
+ XkbTranslateKeyCode@Base 0
+ XkbTranslateKeySym@Base 0
+ XkbUpdateActionVirtualMods@Base 0
+ XkbUpdateKeyTypeVirtualMods@Base 0
+ XkbUpdateMapFromCore@Base 0
+ XkbUseExtension@Base 0
+ XkbVirtualModsToReal@Base 0
+ XkbXlibControlsImplemented@Base 0
+ XmbDrawImageString@Base 0
+ XmbDrawString@Base 0
+ XmbDrawText@Base 0
+ XmbLookupString@Base 0
+ XmbResetIC@Base 0
+ XmbSetWMProperties@Base 0
+ XmbTextEscapement@Base 0
+ XmbTextExtents@Base 0
+ XmbTextListToTextProperty@Base 0
+ XmbTextPerCharExtents@Base 0
+ XmbTextPropertyToTextList@Base 0
+ Xmalloc@Base 0
+ XrmCombineDatabase@Base 0
+ XrmCombineFileDatabase@Base 0
+ XrmDestroyDatabase@Base 0
+ XrmEnumerateDatabase@Base 0
+ XrmGetDatabase@Base 0
+ XrmGetFileDatabase@Base 0
+ XrmGetResource@Base 0
+ XrmGetStringDatabase@Base 0
+ XrmInitialize@Base 0
+ XrmLocaleOfDatabase@Base 0
+ XrmMergeDatabases@Base 0
+ XrmParseCommand@Base 0
+ XrmPermStringToQuark@Base 0
+ XrmPutFileDatabase@Base 0
+ XrmPutLineResource@Base 0
+ XrmPutResource@Base 0
+ XrmPutStringResource@Base 0
+ XrmQGetResource@Base 0
+ XrmQGetSearchList@Base 0
+ XrmQGetSearchResource@Base 0
+ XrmQPutResource@Base 0
+ XrmQPutStringResource@Base 0
+ XrmQuarkToString@Base 0
+ XrmSetDatabase@Base 0
+ XrmStringToBindingQuarkList@Base 0
+ XrmStringToQuark@Base 0
+ XrmStringToQuarkList@Base 0
+ (optional) _XimCheckIfThaiProcessing@Base 0 1
+ (optional) _XimCheckLocalInputStyle@Base 0 1
+ (optional) _XimCommitCallback@Base 0 1
+ (optional) _XimConnect@Base 0 1
+ (optional) _XimDecodeICATTRIBUTE@Base 0 1
+ (optional) _XimDecodeIMATTRIBUTE@Base 0 1
+ (optional) _XimDecodeLocalICAttr@Base 0 1
+ (optional) _XimDecodeLocalIMAttr@Base 0 1
+ (optional) _XimDestroyIMStructureList@Base 0 1
+ (optional) _XimDispatchInit@Base 0 1
+ (optional) _XimEncodeICATTRIBUTE@Base 0 1
+ (optional) _XimEncodeIMATTRIBUTE@Base 0 1
+ (optional) _XimEncodeLocalICAttr@Base 0 1
+ (optional) _XimEncodeLocalIMAttr@Base 0 1
+ (optional) _XimError@Base 0 1
+ (optional) _XimErrorCallback@Base 0 1
+ (optional) _XimExtension@Base 0 1
+ (optional) _XimFilterWaitEvent@Base 0 1
+ (optional) _XimFlush@Base 0 1
+ (optional) _XimForwardEvent@Base 0 1
+ (optional) _XimForwardEventCallback@Base 0 1
+ (optional) _XimFreeCommitInfo@Base 0 1
+ (optional) _XimFreeProtoIntrCallback@Base 0 1
+ (optional) _XimFreeTransIntrCallback@Base 0 1
+ (optional) _XimGetAttributeID@Base 0 1
+ (optional) _XimGetCharCode@Base 0 1
+ (optional) _XimGetCurrentICValues@Base 0 1
+ (optional) _XimGetCurrentIMValues@Base 0 1
+ (optional) _XimGetICValueData@Base 0 1
+ (optional) _XimGetIMValueData@Base 0 1
+ (optional) _XimGetLocaleCode@Base 0 1
+ (optional) _XimGetMyEndian@Base 0 1
+ (optional) _XimGetResourceListRec@Base 0 1
+ (optional) _XimGetResourceListRecByQuark@Base 0 1
+ (optional) _XimGetResourceListRecFromLocale@Base 0 1
+ (optional) _XimGetWindowEventmask@Base 0 1
+ (optional) _XimICOfXICID@Base 0 1
+ (optional) _XimImSportRec@Base 0 1
+ (optional) _XimLocalCreateIC@Base 0 1
+ (optional) _XimLocalFilter@Base 0 1
+ (optional) _XimLocalGetICValues@Base 0 1
+ (optional) _XimLocalGetIMValues@Base 0 1
+ (optional) _XimLocalIMFree@Base 0 1
+ (optional) _XimLocalMbLookupString@Base 0 1
+ (optional) _XimLocalOpenIM@Base 0 1
+ (optional) XlcGenericLoader@Base 0 1
+ (optional) XlcGenericMethods@Base 0 1
+ (optional) XlcGetCSVValues@Base 0 1
+ (optional) XlcGetCharSet@Base 0 1
+ (optional) XlcGetCharSetWithSide@Base 0 1
+ (optional) XlcGetLocaleDataBase@Base 0 1
+ (optional) XlcGetValues@Base 0 1
+ (optional) XlcInitCTInfo@Base 0 1
+ (optional) XlcInitLoader@Base 0 1
+ (optional) XlcLocaleDirName@Base 0 1
+ (optional) XlcLocaleLibDirName@Base 0 1
+ (optional) XlcMapOSLocaleName@Base 0 1
+ (optional) XlcNCompareISOLatin1@Base 0 1
+ (optional) XlcOpenConverter@Base 0 1
+ (optional) XlcParseCharSet@Base 0 1
+ (optional) XlcParse_scopemaps@Base 0 1
+ (optional) XlcPublicMethods@Base 0 1
+ (optional) XlcRemoveLoader@Base 0 1
+ (optional) XlcResetConverter@Base 0 1
+ (optional) XlcResolveI18NPath@Base 0 1
+ (optional) XlcResolveLocaleName@Base 0 1
+ (optional) XlcSetConverter@Base 0 1
+ (optional) XlcSetValues@Base 0 1
+ (optional) XlcSetLocaleName@Base 0 1
+ (optional) XlcUtf8Loader@Base 0 1
+ (optional) XlcVaToArgList@Base 0 1
+ (optional) XlcValidateModSyntax@Base 0 1
+ (optional) Xlcmbstoutf8@Base 0 1
+ (optional) Xlcmbstowcs@Base 0 1
+ (optional) Xlcmbtowc@Base 0 1
+ (optional) Xlcwcstombs@Base 0 1
+ (optional) Xlcwcstowc@Base 0 1
+ (optional) Xmblen@Base 0
+ (optional) XmbDefaultDrawImageString@Base 0 1
+ (optional) XmbDefaultDrawString@Base 0 1
+ (optional) XmbDefaultTextEscapement@Base 0 1
+ (optional) XmbDefaultTextExtents@Base 0 1
+ (optional) XmbDefaultTextPerCharExtents@Base 0 1
+ (optional) XmbGenericDrawImageString@Base 0 1
+ (optional) XmbGenericDrawString@Base 0 1
+ (optional) XmbGenericTextEscapement@Base 0 1
+ (optional) XmbGenericTextExtents@Base 0 1
+ (optional) XmbGenericTextPerCharExtents@Base 0 1
+ (optional) XmTextListToTextProperty@Base 0 1
+ (optional) XmTextPropertyToTextList@Base 0 1
+ _Xmblen@Base 0
+ (optional) XmMbstoutf8@Base 0 1
+ (optional) XmMbstowcs@Base 0 1
+ _Xmbtowc@Base 0
Major housecleaning of X11’s locale support.

* Add all locales supported by version 2.3.2 of the GNU C Library except
  * zh_CN.GB18030, sq_AL.ISO-8859-1, and tg_TJ.KOI8-T.  X has no support for
  the GB18030 and KOI8-T character sets, and glibc appears to disagree with
  most of the world about which character set Albanians use (see, for
  example, iso_8859-2(7)).  This baka gaijin has learned his lesson about
  trying to report l10n bugs in glibc, so I’ll let someone else do the
  jousting.  :-P

* Synchronize compose.dir with locale.dir wherever possible (i.e., wherever
  compose tables exist) so that as many supported locales as possible get a
  Compose map.  Comment out references to compose tables that don’t
  actually exist.

---

$Id: 011a_recognize_glibc_2.3.2_locale_names.diff 1064 2006-01-11 12:26:45Z ender $

+$Id: 011a_recognize_glibc_2.3.2_locale_names.diff 1064 2006-01-11 12:26:45Z ender $
* Disable support for iu_CA.NUNACOM-8. X11 doesn't have any support for
  the NUNACOM-8 character set. (iu_CA.UTF-8 is still supported.)
+
* Disable support for locales that are neither supported by the GNU C
  Library, nor use standard ISO 639 language or 3166 territory codes. This
  includes Esperanto (eo_EO), and what I presume is Pennsylvania
  "Dutch" (pd_DE, pd_US).
+
* Turn off intrusion of Nynorsk into Nyanja's ISO 639 space. (Nynorsk is
  nn, not ny.)
+
* Remove bogus "ee" locales for Estonian (et).
+
* Remove ISO 8859-15 support for languages that don't use that character
  set according to glibc.
+
* Remove @euro modifier support from locales that don't use that currency
  (i.e., countries not in the Euro zone).
+
* Ensure we support the @euro modifier for all locales that use it
  (according to glibc), even if the codeset is explicitly specified. See
  Debian #208137.
+
* Alias "fi" and "fi_FI" to "fi_FI.ISO8859-1", not "fi_FI.ISO8859-15", for
  compatibility with the GNU C Library. See Debian #266834.
+
* Rewrite some comments to be in grammatical English.
+
This patch by Branden Robinson.
Major "forward port" by Nathanael Nerode.
+
Partially submitted upstream. This is so large I don't expect it to all go in at once,
but any bit would help. --Nathanael
+
Index: libx11/nls/compose.dir.pre
--- libx11.orig/nls/compose.dir.pre
+++ libx11/nls/compose.dir.pre
@@ -4,8 +4,13 @@ XCOMM	The first word is the compose tabl
 XCOMM	and the second word is the full locale name.
 XCOMM
 XCOMM
++XCOMM Note that no Compose tables exist for ISO 8859-11, Microsoft code
++XCOMM pages, Fujitsu's S90 or U90 character sets, or TIS620 yet.
++XCOMM
+ XCOMM
+ XCOMM
+iso8859-1/Compose:C
++iso8859-1/Compose:aa_DJ.ISO8859-1
+iso8859-1/Compose:af_ZA.ISO8859-1
Open Source Used in DNAC Frost Platform Maglev 1.7.0

++iso8859-15/Compose:kw_GB.ISO8859-15
++iso8859-10/Compose:lg_UG.ISO8859-10
+k/Compose:ko_KR.eucKR
+ ibm-cp1133/Compose:lo.LA.IBM-CP1133
+ mulelao-1/Compose:lo.LA.MULELAO-1
+ @@ -202,15 +210,18 @@
+ iso8859-15/Compose:ny_NO.ISO8859-15
+ iso8859-1/Compose:oc_FR.ISO8859-1
+ iso8859-15/Compose:oc_FR.ISO8859-15
+ iso8859-1/Compose:pd_DE.ISO8859-1
+ iso8859-15/Compose:pd_DE.ISO8859-15
+ iso8859-1/Compose:pd_US.ISO8859-1
+ iso8859-15/Compose:pd_US.ISO8859-15
++iso8859-1/Compose:om_KE.ISO8859-1
+ iso8859-1/Compose:ph_PH.ISO8859-1
+ iso8859-2/Compose:pl_PL.ISO8859-2
+ iso8859-1/Compose:pp_AN.ISO8859-1
+ iso8859-1/Compose:pt_BR.ISO8859-1
+ iso8859-15/Compose:pt_BR.ISO8859-15
+ iso8859-1/Compose:pt_PT.ISO8859-1
+ iso8859-15/Compose:pt_PT.ISO8859-15
+ iso8859-2/Compose:ro_RO.ISO8859-2
+ @@ -223,6 +234,9 @@
+ iso8859-2/Compose:so_DJ.ISO8859-2
+ iso8859-1/Compose:so_DJ.ISO8859-1
++iso8859-1/Compose:so_KR.ISO8859-1
++iso8859-15/Compose:so_KR.ISO8859-15
+ iso8859-2/Compose:sq_AL.ISO8859-2
+ iso8859-2/Compose:sr_CS.ISO8859-2
+ iso8859-5/Compose:sr_CS.ISO8859-5
+ @@ -261,12 +275,19 @@
+ zh_CN.big5hkscs/Compose:zh_CN.big5hkscs
+ zh_HK.big5/Compose:zh_HK.big5
++zh_HK.big5hkscs/Compose:zh_HK.big5-hkscs
++zh_HK.big5hkscs/Compose:zh_HK.Big5-HKSCS
+ zh_HK.big5hkscs/Compose:zh_HK.big5hkscs
++zh_HK.big5hkscs/Compose:zh_HK.Big5HKSCS
++zh_CN/Compose:zh_SG.gb2312

++XCOMM Presumably, "pd" is "Pennsylvania 'Dutch'", a U.S. dialect of German.
++XCOMM This is not an ISO language code defined for it, and the GNU C Library
++XCOMM doesn't support it.
++XCOMM iso8859-1/Compose:pd_DE.ISO8859-1
++XCOMM iso8859-15/Compose:pd_DE.ISO8859-15
++XCOMM iso8859-1/Compose:pd_US.ISO8859-1
++XCOMM iso8859-15/Compose:pd_US.ISO8859-15
+ iso8859-1/Compose:pr_RO.ISO8859-1
+ iso8859-2/Compose:ro_RO.ISO8859-2
+ iso8859-1/Compose:ru_RU.ISO8859-1
+ iso8859-15/Compose:ru_RU.ISO8859-15
+ iso8859-1/Compose:sl_SI.ISO8859-1
+ iso8859-15/Compose:sl_SI.ISO8859-15
+ iso8859-1/Compose:sk_SK.ISO8859-1
+ iso8859-15/Compose:sk_SK.ISO8859-15
+ iso8859-1/Compose:sl_SI.ISO8859-2
+ iso8859-15/Compose:sl_SI.ISO8859-15
++iso8859-1/Compose:so_DJ.ISO8859-2
++iso8859-15/Compose:so_DJ.ISO8859-2
++iso8859-1/Compose:so_KR.ISO8859-1
++iso8859-15/Compose:so_KR.ISO8859-15
+ iso8859-2/Compose:sq_AL.ISO8859-2
+ iso8859-2/Compose:sr_CS.ISO8859-2
+ iso8859-5/Compose:sr_CS.ISO8859-5
+ @@ -261,12 +275,19 @@
+ zh_CN.big5hkscs/Compose:zh_CN.big5hkscs
+ zh_HK.big5/Compose:zh_HK.big5
++zh_HK.big5hkscs/Compose:zh_HK.big5-hkscs
++zh_HK.big5hkscs/Compose:zh_HK.Big5-HKSCS
+ zh_HK.big5hkscs/Compose:zh_HK.big5hkscs
++zh_HK.big5hkscs/Compose:zh_HK.Big5HKSCS
++zh_CN/Compose:zh_SG.gb2312
++en_US.UTF-8/Compose: mn_MN.UTF-8
+ en_US.UTF-8/Compose: mr_IN.UTF-8
+ en_US.UTF-8/Compose: ms_MY.UTF-8
+ en_US.UTF-8/Compose: mt_MT.UTF-8
+ @ @ -411,13 +438,19 @ @ en_US.UTF-8/Compose:no_NO.UTF-8
+ en_US.UTF-8/Compose: nb_NO.UTF-8
+ en_US.UTF-8/Compose: nr_ZA.UTF-8
+ en_US.UTF-8/Compose: nso_ZA.UTF-8
+en_US.UTF-8/Compose: ny_NO.UTF-8
++XCOMM ny is the language code for Nyanja (spoken in Malawi), not Nynorsk.
++XCOMM en_US.UTF-8/Compose: ny_NO.UTF-8
+ en_US.UTF-8/Compose: oc_FR.UTF-8
+ en_US.UTF-8/Compose: or_IN.UTF-8
++en_US.UTF-8/Compose: om_ET.UTF-8
+ en_US.UTF-8/Compose: pa_IN.UTF-8
+ en_US.UTF-8/Compose: pa_PK.UTF-8
+en_US.UTF-8/Compose: pd_DE.UTF-8
+en_US.UTF-8/Compose: pd_US.UTF-8
++XCOMM Presumably, "pd" is "Pennsylvania Dutch", a U.S. dialect of German.
++XCOMM This is not an ISO language code defined for it, and the GNU C Library
++XCOMM doesn't support it.
++XCOMM en_US.UTF-8/Compose: pd_DE.UTF-8
++XCOMM en_US.UTF-8/Compose: pd_US.UTF-8
+ en_US.UTF-8/Compose: ph_PH.UTF-8
+ en_US.UTF-8/Compose: pl_PL.UTF-8
+ en_US.UTF-8/Compose: pp_AN.UTF-8
@@ -433,9 +466,11 @@ en_US.UTF-8/Compose: sd_IN@devanagari.U
+ en_US.UTF-8/Compose: se_NO.UTF-8
+ en_US.UTF-8/Compose: sh_BA.UTF-8
+ en_US.UTF-8/Compose: sh_YU.UTF-8
++en_US.UTF-8/Compose: sid_ET.UTF-8
+ en_US.UTF-8/Compose: si_LK.UTF-8
+ en_US.UTF-8/Compose: sk_SK.UTF-8
+ en_US.UTF-8/Compose: sl_SI.UTF-8
++en_US.UTF-8/Compose: so_ET.UTF-8
+ en_US.UTF-8/Compose: sq.AL.UTF-8
+ sr_CS.UTF-8/Compose: sr_CS.UTF-8
+ en_US.UTF-8/Compose: sr_ME.UTF-8
@@ -451,6 +486,7 @@ th_TH.UTF-8/Compose:tg_TJ.UTF-8
+ th_TH.UTF-8/Compose:th_TH.UTF-8
+ en_US.UTF-8/Compose:ti_ER.UTF-8
+ en_US.UTF-8/Compose:ti_ET.UTF-8
++en_US.UTF-8/Compose:tg_ER.UTF-8
+ en_US.UTF-8/Compose:tl_PH.UTF-8
+ en_US.UTF-8/Compose:tn_ZA.UTF-8
+ en_US.UTF-8/Compose:tr_TR.UTF-8
+Index: libx11/nls/locale.alias.pre
+ isoi8859-15/XLC_LOCALE:fi_FI.ISO8859-15
+@@ -176,6 +186,7 @@ ko/XLC_LOCALE:ko_KR.eucKR
+ isoi8859-1/XLC_LOCALE:kw_GB.ISO8859-1
+ isoi8859-14/XLC_LOCALE:kw_GB.ISO8859-14
+ isoi8859-15/XLC_LOCALE:kw_GB.ISO8859-15
++isoi8859-10/XLC_LOCALE:lg_UG.ISO8859-10
+ ibm-cp1133/XLC_LOCALE:lo_LA.IBM-CP1133
+ mulcelao-1/XLC_LOCALE:lo_LA.MULELAO-1
+ isoi8859-4/XLC_LOCALE:lt_LT.ISO8859-4
+@@ -203,8 +214,12 @@ isoi8859-1/XLC_LOCALE:ny_NO.ISO8859-15
+ isoi8859-9/XLC_LOCALE:oc_FR.ISO8859-1
+ isoi8859-15/XLC_LOCALE:oc_FR.ISO8859-1
+ isoi8859-1/XLC_LOCALE:pd_DE.ISO8859-1
+ isoi8859-15/XLC_LOCALE:pd_DE.ISO8859-15
++isoi8859-1/XLC_LOCALE:om KE.ISO8859-1
++XCOMM Presumably, "pd" is "Pennsylvania Dutch", a U.S. dialect of German.
++XCOMM This is not an ISO language code defined for it, and the GNU C Library
++XCOMM doesn't support it.
++XCOMM isoi8859-1/XLC_LOCALE:pd_DE.ISO8859-1
++XCOMM isoi8859-15/XLC_LOCALE:pd_DE.ISO8859-15
+ isoi8859-1/XLC_LOCALE:pd_US.ISO8859-1
+ isoi8859-15/XLC_LOCALE:pd_US.ISO8859-15
+ isoi8859-1/XLC_LOCALE:ph_PH.ISO8859-1
+@@ -224,6 +239,9 @@ isoi8859-1/XLC_LOCALE: rw_RW.IS
+ isoi8859-1/XLC_LOCALE: sh_YU.ISO8859-2
+ isoi8859-1/XLC_LOCALE: sk_SK.ISO8859-2
+ isoi8859-1/XLC_LOCALE: sl_SI.ISO8859-2
++iso8859-1/XLC_LOCALE: so DJ.ISO8859-1
++iso8859-1/XLC_LOCALE: so KE.ISO8859-1
++iso8859-1/XLC_LOCALE: so SO.ISO8859-1
+ isoi8859-1/XLC_LOCALE: sq_AL.ISO8859-2
+ isoi8859-1/XLC_LOCALE: sr_CS.ISO8859-2
+ isoi8859-1/XLC_LOCALE: sr_CS.ISO8859-5
+@@ -238,8 +256,8 @@ isoi8859-1/XLC_LOCALE: sv_SE.ISO8859-1
+ isoi8859-15/XLC_LOCALE: sv_SE.ISO8859-15
+ tscii-0/XLC_LOCALE: ta_IN.TSCII-0
+ koi8-c/XLC_LOCALE:tg_TJ.KOI8-C
+th_TH/XLC_LOCALE:th_TH.TIS620
+ isoi8859-11/XLC_LOCALE:th_TH.ISO8859-11
++th_TH/XLC_LOCALE:th_TH.TIS620
+ isoi8859-1/XLC_LOCALE:tl_PH.ISO8859-1
+ isoi8859-15/XLC_LOCALE:tn ZA.ISO8859-15
+ isoi8859-9/XLC_LOCALE:tr_TR.ISO8859-9
+@@ -263,10 +281,14 @@ zh_CN.gbk/XLC_LOCALE: zh_CN.gbk
+ zh_CN.gb18030/XLC_LOCALE: zh_CN.gb18030
+ zh_HK.big5/XLC_LOCALE:zh_HK.big5
+ zh_HK.big5hkscs/XLC_LOCALE:zh_HK.big5hkscs
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283  60870

++en_US.UTF-8/XLC_LOCALE:           it_IT.UTF-8
++en_US.UTF-8/XLC_LOCALE:           iw_IL.UTF-8
++ ja_JP.UTF-8/XLC_LOCALE:           ja_JP.UTF-8
++en_US.UTF-8/XLC_LOCALE:           ka_GE.UTF-8
++en_US.UTF-8/XLC_LOCALE:           kk_KZ.UTF-8
++en_US.UTF-8/XLC_LOCALE:           mn_MN.UTF-8
++en_US.UTF-8/XLC_LOCALE:           mr_IN.UTF-8
++en_US.UTF-8/XLC_LOCALE:           ms_MY.UTF-8
++en_US.UTF-8/XLC_LOCALE:           mt_MT.UTF-8
++en_US.UTF-8/XLC_LOCALE:           ne_NP.UTF-8
++en_US.UTF-8/XLC_LOCALE:           nl_BE.UTF-8
++en_US.UTF-8/XLC_LOCALE:           nl_NL.UTF-8
++en_US.UTF-8/XLC_LOCALE:           nb_NO.UTF-8
++en_US.UTF-8/XLC_LOCALE:           nn_NO.UTF-8
++en_US.UTF-8/XLC_LOCALE:           no_NO.UTF-8
++en_US.UTF-8/XLC_LOCALE:           ny_NO.UTF-8
++en_US.UTF-8/XLC_LOCALE:           oc_FR.UTF-8
++en_US.UTF-8/XLC_LOCALE:           om_ET.UTF-8
++en_US.UTF-8/XLC_LOCALE:           or_IN.UTF-8
++en_US.UTF-8/XLC_LOCALE:           pa_IN.UTF-8
++en_US.UTF-8/XLC_LOCALE:           pa_PK.UTF-8
++en_US.UTF-8/XLC_LOCALE:           pd_DE.UTF-8
++en_US.UTF-8/XLC_LOCALE:           pd_US.UTF-8
++en_US.UTF-8/XLC_LOCALE:           ph_PH.UTF-8
++en_US.UTF-8/XLC_LOCALE:           pl_PL.UTF-8
++en_US.UTF-8/XLC_LOCALE:           pp_AN.UTF-8
++en_US.UTF-8/XLC_LOCALE:           sd_IN.UTF-8
++en_US.UTF-8/XLC_LOCALE:           sd_IN@devanagari.UTF-8
++en_US.UTF-8/XLC_LOCALE:           se_NO.UTF-8
++en_US.UTF-8/XLC_LOCALE:           sid_ET.UTF-8
++en_US.UTF-8/XLC_LOCALE:           sh_BA.UTF-8
++en_US.UTF-8/XLC_LOCALE:           sh_YU.UTF-8

++XCOMM ny is the language code for Nyanja (spoken in Malawi), not Nynorsk.
++XCOMM Presumably, "pd" is "Pennsylvania Dutch", a U.S. dialect of German.
++XCOMM This is not an ISO language code defined for it, and the GNU C Library
++XCOMM doesn't support it.

This patch by Wolfgang Sourdeau and Rüdiger Kuhlmann.

Account for lack of spacing diaeresis key and codepoint.

https://bugs.debian.org/97433

--- a/nls/iso8859-15/Compose.pre
+++ b/nls/iso8859-15/Compose.pre
@@ -155,8 +155,7 @@ XCOMM Special Character
   "division"
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+ <Multi_key> <minus> <a> : \343\atilde
+ <Multi_key> <a> <quotedbl> : \344\diaeresis
+ <Multi_key> <quotedbl> <a> : \344\diaeresis
+ <Multi_key> <a> <diaeresis> : \344\diaeresis
+ <Multi_key> <diaeresis> <a> : \344\diaeresis
+ <Multi_key> <a> <asterisk> : \345\aring
+ <Multi_key> <asterisk> <a> : \345\aring
+ <Multi_key> <a> : \345\aring
+@@ -231,8 +226,6 @@ XCOMM Accented Alphabet
+ <Multi_key> <greater> <E> : \312\Ecircumflex
+ <Multi_key> <E> <quotedbl> : \313\Ediaeresis
+ <Multi_key> <quotedbl> <E> : \313\Ediaeresis
+- <Multi_key> <diaeresis> <E> : \313\Ediaeresis
+- <Multi_key> <diaeresis> <E> : \313\Ediaeresis
+ <Multi_key> <E> <grave> : \350\egrave
+ <Multi_key> <grave> <e> : \350\egrave
+ <Multi_key> <e> : \351\ecute
+@@ -245,8 +238,6 @@ XCOMM Accented Alphabet
+ <Multi_key> <greater> <e> : \352\ecircumflex
+ <Multi_key> <e> <quotedbl> : \353\ediaeresis
+ <Multi_key> <quotedbl> <e> : \353\ediaeresis
+- <Multi_key> <diaeresis> <e> : \353\ediaeresis
+- <Multi_key> <diaeresis> <e> : \353\ediaeresis
+ <Multi_key> <I> <grave> : \314\igrave
+ <Multi_key> <grave> <I> : \314\igrave
+ <Multi_key> <I> : \315\iacute
+@@ -259,8 +250,6 @@ XCOMM Accented Alphabet
+ <Multi_key> <I> <grave> : \354\igrave
+ <Multi_key> <grave> <i> : \354\igrave
+ <Multi_key> <i> : \355\iacute
+@@ -273,8 +262,6 @@ XCOMM Accented Alphabet
+ <Multi_key> <greater> <I> : \356\icircumflex
+ <Multi_key> <I> <quotedbl> : \357\idiaeresis
+ <Multi_key> <quotedbl> <I> : \357\idiaeresis
+- <Multi_key> <diaeresis> <I> : \357\idiaeresis
+- <Multi_key> <diaeresis> <I> : \357\idiaeresis
+ <Multi_key> <N> <asciitilde> : \321\ntilde
+ <Multi_key> <asciitilde> <N> : \321\ntilde
+ <Multi_key> <N> : \321\ntilde
+@@ -299,8 +286,6 @@ XCOMM Accented Alphabet
+ <Multi_key> <minus> <O> : \325\otilde
+ <Multi_key> <O> <quotedbl> : \326\odiaeresis
+ <Multi_key> <quotedbl> <O> : \326\odiaeresis
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 60874

--- libx11-1.6.7.orig/debian/patches/008_remove_ko_Compose.diff
+++ libx11-1.6.7/debian/patches/008_remove_ko_Compose.diff
@@ -0,0 +1,14 @@
+Index: libx11/nls/compose.dir.pre
+===================================================================
+--- libx11.orig/nls/compose.dir.pre	2013-06-15 17:42:43.987732157 +0200
++++ libx11/nls/compose.dir.pre	2013-06-15 17:42:46.371732132 +0200
@@ -182,7 +182,8 @@
+ iso8859-14/Compose:		kw_GB.ISO8859-14
+ iso8859-15/Compose:		kw_GB.ISO8859-15
+ iso8859-10/Compose:		lg_UG.ISO8859-10
+ko/Compose:ko_KR.eucKR
++XCOMM Remove ko/Compose, as requested in https://bugs.debian.org/89703
++XCOMM ko/Compose:ko_KR.eucKR
+ ibm-cp1133/Compose:lo_LA.IBM-CP1133
+ mulelao-l/Compose:lo_LA.MULELAO-1
+ iso8859-4/Compose:lt_LT.ISO8859-4
--- libx11-1.6.7.orig/debian/patches/009_remove_th_Compose.diff
+++ libx11-1.6.7/debian/patches/009_remove_th_Compose.diff
@@ -484,7 +484,9 @@
+ en_US.UTF-8/Compose:		ta_IN.UTF-8
+ en_US.UTF-8/Compose:		te_IN.UTF-8
+ en_US.UTF-8/Compose:	
tg_TJ.UTF-8
+-th_TH.UTF-8/Compose:th_TH.UTF-8
+ko/Compose:ko_KR.eucKR
++XCOMM Following entry commented to allow Thai XIM as default for X apps
++XCOMM See Debian bug#520509
++XCOMM th_TH.UTF-8/Compose:th_TH.UTF-8
+ en_US.UTF-8/Compose:ti_ER.UTF-8
+ en_US.UTF-8/Compose:ti_ET.UTF-8
+ en_US.UTF-8/Compose:tig_ER.UTF-8
--- libx11-1.6.7.orig/debian/patches/015_russian_locale_alias.diff
+++ libx11-1.6.7/debian/patches/015_russian_locale_alias.diff
+Fix russian locale. Closes: #368655.
+
+This aligns with the glibc definition in /usr/share/locale/locale.alias.
+This only applies to Debian's glibc, see bug #62586 and glibc 2.2.5-4.
+
+For the same glib reason, we cannot change ru and ru_RU away from ISO8859-5,
+since that encoding is enshrined in /usr/share/i18n/locales/ru_RU. Insert
+appropriate perjorative language here.
+
+Suggestion: can the russian default be changed to UTF-8 instead of KOI8-R?
+This will make it easier for russians to fit in with the rest of the world.
+
+Index: libx11/nls/locale.alias.pre
+===================================================================
+@@ -1274,7 +1274,7 @@
      portuguese.iso88591:				pt_PT.ISO8859-1
      romanian:ro_RO.ISO8859-2
      rumanian:ro_RO.ISO8859-2
-    -russian:					ru_RU.ISO8859-5
+    ++russian:					ru_RU.KOI8-R
      serbocroatian:sr_RS.UTF-8@latin
      sinhala:si_LK.UTF-8
      slovak:sk_SK.ISO8859-2
--- libx11-1.6.7.orig/debian/patches/series
+++ libx11-1.6.7/debian/patches/series
@@ -0,0 +1,5 @@
+003_recognize_glibc_2.3.2_locale_names.diff
+007_iso8859-15_Compose_fix.diff
+008_remove_ko_Compose.diff
+009_remove_th_Compose.diff
+015_russian_locale_alias.diff
--- libx11-1.6.7.orig/debian/rules
+++ libx11-1.6.7/debian/rules
@@ -0,0 +1,30 @@
+#!/usr/bin/make -f
+
+%:
+  dh $@ --with script --builddirectory=build/
+
+override_dh_auto_configure-indep: docflags = --enable-specs --with-xmlto
+override_dh_auto_configure-arch: docflags = --disable-specs
+
+override_dh_auto_configure-indep override_dh_auto_configure-arch:
+  dh_auto_configure -- \\
+  $(docflags) \ 

---
+--without-fop
+
+override_dh_installdocs:
+  dh_installdocs NEWS
+
+override_dh_install:
+  # Kill *.xml files, we don't need them:
+  find debian/tmp -name '*.xml' -delete
+  dh_install -plibx11-dev
+  --exclude=usr/include/X11/Xlib-xcb.h
+
+override_dh_install:
+  dh_installedocs NEWS
+
+override_dh_install:
+  dh_install -plibx11-doc
+  --exclude=usr/include/X11/Xlib-xcb.h
+
+override_dh_makecheck:
+  dh_makecheck -s -plibx11-6 (-V'libx11-6 (>= 2:1.6.0)')
+
+override_dh_makeshlibs:
+  dh_makeshlibs -s -plibx11-6 -V'libx11-6 (>= 2:1.6.0)'
+
+override_dh_makeshlibs:
+  dh_makeshlibs -s -plibx11-6 -V'libx11-6 (>= 2:1.6.0)'
+
+override_dh_makeshlibs:
+  dh_makeshlibs -s -plibx11-6 -V'libx11-6 (>= 2:1.6.0)'
+
++ libx11-1.6.7.orig/debian/source/format
++ libx11-1.6.7/debian/source/format
@@ -0,0 +1 @
+1.0
++ libx11-1.6.7.orig/debian/upstream/signing-key.asc
++ libx11-1.6.7/debian/upstream/signing-key.asc
@@ @ -0,0 +1,320 @@
+-----BEGIN PGP PUBLIC KEY BLOCK-----
+Version: GnuPG v1
+
+mQGiBEab+moRBACDH5yKq53wcc5bdxY7PNuWvF5TKMfagmSvuRDIzjjIIWaA/n
+Z1KboV9Gq5g7kp7+Kfu+Qgd8u65eVsWwmPW10fXv3aCu53gI2xEdGdrHegyH2g
+EQfPyiBw+trlpVFWRVi0DXSLMA1FNC92tnSG/VFHaPTVwczgkIIRSfcXDwvCgIdGE
+af64uLq0oNHP-m4yYznzFapU/MD+42AJDvAVWKDdYCGZGzzlwavMnmWxYxrmT7/Cmx9
+8qUR7341buXjHgDKkXXHpdzil1vK85PrKzXjDCCmHUNzn+QwAMOLwdpd+xkW
+Pb57RG7y+a5JQ5+jtVy4RIuZ/kl/wj2An9YBO3A5r7F7pJ3M3ZJC2N+aM4dYFvNzQ
+xQKTKA/47iczBavBT9rztgj2pd2Aqpc1P/GsIYLGj7xjmnGvGAEBHSH1QjPMZMG
+CTS90d+8/wfIr+p/wbFgYAb6oijMQJ00UChjWWSGjMFCs/CexbxILBido3DtAE
+ThNTwO6OEFavdosTvDhhJFnmwZ/1j+zZGGy5Cr2Fdd9PUe9tmASbQoQWxhBBD29w
+ZXXjzbW10aCA8YWxhbmNANzJIZWRLc2t0b3Aub3JnPohBBMRaAoAbsDBgsJCxCd
+AgYVCAjICgsFegIDAQ1eAQIXgAUCUXnRygUJFEPYeAAKCRCi+i54Hy0TDoxnAKCP
+ecAgXNojuujUg5Wqi6v0RBFVUScggq15sVEdq9NDWxVxkeGyNaBivSK0F0sY4w
+Q29vcGHyce1pdGggPFGsYW4uY29vcGHyce1pdGhAc3VuLmbV6JZgQTEQIAGJlb
+AwYLCQoHAvHEFQIIawQWAoGBMA4BaheABQJReDFiBQkUQ9h4AA0eJekaJ7gFLRMO
+6sUSAn0j3lh9rY4O1J3L7nsKcylhDpOqAKCFgTmaDGRuDRxIoLg9ftrn7a7vRq
+QWxhBdB29wZXJzbW10aCA8YWxhB5j29wZXJzbW10aBvcnFjBGuY29tPohr
+BBMRaArAsDBgsJCAcDAgYVCaICGsFgIDAQ1eAQIXgAI4AQQaCYJUxYyUGyUPEY
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+Q8PRAyEg0SB9Ke5Ag0ERpv6bxAlAJPsaUlh05rUhpS6ik7spsAQFPRuycPKMN0
1.6163 babel-plugin-check-es2015-constants

6.22.0

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1.6165 libstdc++ 8.3.0-6

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DRuntime: Runtime Library for the D Programming Language
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Preamble
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1.6186 zlib1g 1:1.2.8.dfsg-2+b1

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Acknowledgments:

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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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<th>Year</th>
<th>Owner</th>
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Mersenne Twister
--------------

The `_random' module includes code based on a download from
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following are the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
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Any feedback is very welcome.
http://www.math.keio.ac.jp/matumoto/emt.html
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Sockets
-------

The `socket' module uses the functions, `getaddrinfo', and `getnameinfo', which are coded in separate source files from the WIDE Project, `http://www.wide.ad.jp/about/index.html'.

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with python standard

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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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f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2d0f55067c18f2cf9 bsd.img

---layout-------
Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>

Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout-------
Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>

Device    Boot Start  End Sectors Size Id Type
<removed>1  2048 4095  2048 1M 83 Linux

Create 2st primary partition
1bebf87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8d5f1a88e045db233418dd73f6e bsd.img

---layout-------
Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>

Device    Boot Start  End Sectors Size Id Type
<removed>1  2048 4095  2048 1M 83 Linux
<removed>2  4096 20479 16384  8M a5 FreeBSD

--------------
Create default BSD
2e1cee529cb59e9341afe0443f196a1 bsd.img

---layout--------

Welcome to fdisk <removed>.
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help): Disk <removed>2: 10 MiB, 10485760 bytes, 20480 sectors
Geometry: 255 heads, 63 sectors/track, 1 cylinders
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: bsd

Slice Start   End Sectors  Size Type     Fsize Bsize Cpg
  c 4096 20479   16384    8M unused       0     0   0
  d 0 16064   16065  7.9M unused       0     0   0

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):
-------------------

b5c121c2091b2ff26b880551feac7112 bsd.img

---layout--------

Welcome to fdisk <removed>.
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help): Disk <removed>2: 10 MiB, 10485760 bytes, 20480 sectors
Geometry: 255 heads, 63 sectors/track, 1 cylinders
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: bsd
<table>
<thead>
<tr>
<th>Slice Start</th>
<th>End Sectors</th>
<th>Size Type</th>
<th>Fsiz e Bsize</th>
<th>Cpg</th>
</tr>
</thead>
<tbody>
<tr>
<td>a</td>
<td>4096 6144</td>
<td>2049</td>
<td>1M 4.2BSD</td>
<td>0</td>
</tr>
<tr>
<td>c</td>
<td>4096 20479</td>
<td>16384</td>
<td>8M unused</td>
<td>0</td>
</tr>
<tr>
<td>d</td>
<td>0 16064 16065</td>
<td>7.9M unused</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):

-------------------
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help):
0 unused 5 4.1BSD 9 4.4LFS d boot
1 swap 6 Eighth Edition a unknown e ADOS
2 Version 6 7 4.2BSD b HPFS f HFS
3 Version 7 8 MS-DOS c ISO-9660 10 AdvFS
4 System V

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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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ispell-local-pdict: "ispell-dict"
End:
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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)
{
    /* 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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jar/org/springframework/core/style/ValueStyler.java
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jar/org/springframework/core/io/FileSystemResourceLoader.java
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jar/org/springframework/core/io/support/ResourcePatternResolver.java
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* [Fernando Montoya](https://github.com/montogeek) - Use separate lodash functions instead of the core package. Faster to install this way.
* [Jonathan Felchlin](https://github.com/GreenGremlin) - Smart merging for loaders.
* [David Gmez](https://github.com/davegomez) - Performance and cosmetic improvements.
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David Megginson
david@megginson.com
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* /opt/cola/permits/1148296079_1626418348.61/0/play-2-10-2-4-6-sources-jar/play/inject/SourceProvider.java

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* /opt/cola/permits/1148295980_1626418346.36/0/play-netty-utils-2-4-6-sources-2-jar/play/core/netty/utils/CookieDecoder.java
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* /opt/cola/permits/1148295980_1626418346.36/0/play-netty-utils-2-4-6-sources-2-jar/play/core/netty/utils/ClientCookieDecoder.java
* /opt/cola/permits/1148295980_1626418346.36/0/play-netty-utils-2-4-6-sources-2-jar/play/core/netty/utils/Cookie.java
* /opt/cola/permits/1148295980_1626418346.36/0/play-netty-utils-2-4-6-sources-2-jar/play/core/netty/utils/DefaultCookie.java
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Found in path(s):
* /opt/cola/permits/1148295980_1626418346.36/0/play-netty-utils-2-4-6-sources-2-
  jar/play/core/netty/utils/HttpConstants.java
* /opt/cola/permits/1148295980_1626418346.36/0/play-netty-utils-2-4-6-sources-2-
  jar/play/core/netty/utils/HttpHeaderDateFormat.java

1.6236 ubuntu-keyring 2012.05.19.1

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Jean-loup Gailly  Mark Adler
jloup@gzip.org    madler@alumni.caltech.edu

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=pod

=head1 NAME

pod2readme - script to convert POD to README file

=head1 SYNOPSIS

pod2readme lib/Some/Module.pm

=head1 DESCRIPTIONS
Converting POD in the specified file to a README text file. If a second argument is given, it will use that as the output file and assume that is the type of file to export:

```
pod2readme Module.pm COPYING
```

If need be, this can be overridden in cases where the output file is not the same as the type, using a third argument:

```
pod2readme Module.pm Module-Install.HOWTO install
```

=head1 SEE ALSO

L<Pod::Readme>

=head1 AUTHOR

Robert Rothenberg <rrwo at cpan.org>

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=cut

Found in path(s):
* /opt/cola/permits/1136857630_1613950641.26/0/libpod-readme-perl-0-11-orig-1-tar-gz/Pod-Readme-0.11/bin/pod2readme

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=head1 DESCRIPTION

This module is a subclass of L<Pod::PlainText> which provides additional POD markup for generating README files.

Why should one bother with this? One can simply use

```
pod2text Module.pm > README
```

A problem with doing that is that the default L<pod2text> converter will add text to links, so that "LZ<>Module" is translated to "the Module manpage".

Another problem is that the README includes the entirety of the module documentation! Most people browsing the README file do not need all of this information.
Likewise, including installation and requirement information in the module documentation is not necessary either, since the module is already installed.

This module allows authors to mark portions of the POD to be included only in, or to be excluded from the README file. It also allows you to include portions of another file (such as a separate ChangeLog).

=begin readme

See the module documentation for more details.

=end readme

=for readme stop

=head2 Markup

Special POD markup options are described below:

=over

=item begin/end

=begin readme

=head1 README ONLY

This section will only show up in the README file.

=end readme

Delineates a POD section that is only available in README file. If you prefer to include plain text instead, add the text modifier:

=begin readme text

README ONLY (PLAINTEXT)

This section will only show up in the README file.

=end readme

Note that placing a colon before the section to indicate that it is POD (e.g. begin :readme) is not supported in this version.

=item stop/continue
All POD that follows will not be included in the README, until a `continue` command occurs:

```plaintext
=item include
=for readme include file=filename type=type start=Regexp stop=Regexp
=for readme include file=Changes start=\^0.09 stop=\^0.081 type=text
```

Includes a plaintext file named `F<filename>`, starting with the line that contains the start `C<Regexp>` and ending at the line that begins with the stop `C<Regexp>`. (The start and stop Regexps are optional: one or both may be omitted.)

Type may be `C<text>` or `C<pod>`. If omitted, `C<pod>` will be assumed.

Quotes may be used when the filename or marks contains spaces:

```plaintext
=for readme include file="another file.pod"
```

One can also maintain multiple file types (such as including F<TODO>, or F<COPYING>) by using a modified constructor:

```perl
$sparser = Pod::Readme->new( readme_type => "copying" );
```

In the above L</Markup> commands replace "readme" with the tag specified instead (such as "copying"):

```plaintext
=begin copying
=begin copying,readme
```

As of version 0.03 you can specify multiple sections by separating them with a comma:

```plaintext
=begin copying,readme
```

There is also no standard list of type names. Some names might be recognized by other POD processor (such as "testing" or "html"). L<Pod::Readme> will reject the following "known" type names when they are specified in the constructor:

```plaintext
testing html xhtml xml docbook rtf man nroff dsr rno latex tex code
```
You can also use a "debug" mode to diagnose any problems, such as mistyped format names:

$parser = Pod::Readme->new( debug => 1 );

Warnings will be issued for any ignored formatting commands.

=head2 Example

For an example, see the F<Readme.pm> file in this distribution.

=head1 SEE ALSO

See L<perlpod>, L<perlpodspec> and L<podlators>.

=head1 AUTHOR

Originally by Robert Rothenberg <rrwo at cpan.org>

Now maintained by David Precious <davidp@preshweb.co.uk>

=head2 Suggestions, Bug Reporting and Contributing

This module is developed on GitHub at:

http://github.com/bigpresh/Pod-Readme

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=cut

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1.6243 libisc-export169 1:9.11.3+dfsg
1ubuntu1.13

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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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<!- $Id$ -->

<!-- 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="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;', '')">

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1.6245 grapevine-json-reader 2.0.0.1020
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No license file was found, but licenses were detected in source scan.

Metadata-Version: 2.1
Name: grapevine-json-reader
Version: 2.0.0.1020
Summary: Tool to read/parse JSON objects
Home-page: http://www.cisco.com
1.6246 glib 2.56.4-8.el8
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Disklabel type: dos
Disk identifier: <removed>

<table>
<thead>
<tr>
<th>Device</th>
<th>Boot</th>
<th>Start</th>
<th>End</th>
<th>Sectors</th>
<th>Size</th>
<th>Id</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;removed&gt;1</td>
<td>2048</td>
<td>4095</td>
<td>2048</td>
<td>1M</td>
<td>83</td>
<td>Linux</td>
<td></td>
</tr>
</tbody>
</table>

---

Create 2st primary partition
1beb87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8dffa51a88a045db233418dd73fbd img

---layout------

Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>

<table>
<thead>
<tr>
<th>Device</th>
<th>Boot</th>
<th>Start</th>
<th>End</th>
<th>Sectors</th>
<th>Size</th>
<th>Id</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;removed&gt;1</td>
<td>2048</td>
<td>4095</td>
<td>2048</td>
<td>1M</td>
<td>83</td>
<td>Linux</td>
<td></td>
</tr>
<tr>
<td>&lt;removed&gt;2</td>
<td>4096</td>
<td>20479</td>
<td>16384</td>
<td>8M</td>
<td>a5</td>
<td>FreeBSD</td>
<td></td>
</tr>
</tbody>
</table>

---

Create default BSD
2e1cee529cb59c9341afe0443f196a1 bsd.img

---layout------

Welcome to fdisk <removed>.
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.
Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):

-------------------

b5c121c2091b2ff26b880551feac7112 bsd.img

---layout--------

Welcome to fdisk <removed>.
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help): Disk <removed> 2: 10 MiB, 10485760 bytes, 20480 sectors
Geometry: 255 heads, 63 sectors/track, 1 cylinders
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: bsd

<table>
<thead>
<tr>
<th>Slice Start</th>
<th>End Sectors</th>
<th>Size Type</th>
<th>Fsize</th>
<th>Bsize</th>
<th>Cpg</th>
</tr>
</thead>
<tbody>
<tr>
<td>a 4096 6144</td>
<td>2049 1M</td>
<td>4.2BSD</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>c 4096 20479</td>
<td>16384 8M</td>
<td>unused</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>d 0 16064</td>
<td>16065 7.9M</td>
<td>unused</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):

-------------------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help):

| 0 unused   | 5 4.1BSD | 9 4.4LFS | d boot |
| 1 swap     | 6 Eighth Edition | a unknown | e ADOS |
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in
"src/lib/gssapi", including the following files:

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
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kproplog.c

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1.6255 python 3.5.2 2ubuntu0~16.04.8

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==============

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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Mersenne Twister

-----------

The `random' module includes code based on a download from
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following are the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
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Any feedback is very welcome.
http://www.math.keio.ac.jp/matumoto/emt.html
e-mail: matumoto@math.keio.ac.jp

Sockets
-------

The `socket' module uses the functions, `getaddrinfo', and `getnameinfo', which are coded in separate source files from the WIDE Project, `http://www-wide.ad.jp/about/index.html'.

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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
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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us/) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation; see http://www.zope.com/). In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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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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http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html
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Sockets
-------

The `mod:` `socket` `module` uses the functions, `func:` `getaddrinfo` , and
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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
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- Arguments more compliant with Python standard

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Original location:
https://github.com/majek/csiphash/

Solution inspired by code from:
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Jean-Philippe Aumasson (https://131002.net/siphash/siphash24.c)

strtod and dtoa
--------------

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jlo@gzip.org        madler@alumni.caltech.edu

cfuhash

------

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libmpdec
--------

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1.6256 libmpdec2 2.4.2 1
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* /opt/cola/permits/1127086916_1611765793.16/0/bcrypt-pbkdf-1-0-1-2-tgz/package/index.js

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1.6261 typing 3.7.4.3

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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 
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<td>2.1.1</td>
<td>2001-now</td>
<td>PSF</td>
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 * @param request A request
 * @return true if the request is confidential. This normally means the https schema has been used.
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/**
 * @param c Data constrain indicator: 0=DC+NONE, 1=DC_INTEGRAL & 2=DC_CONFIDENTIAL
 */
/**
 * @return Data constrain indicator: 0=DC+NONE, 1=DC_INTEGRAL & 2=DC_CONFIDENTIAL
 */

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/**
 * @see org.mortbay.jetty.Connector#getConfidentialPort()
 */
/**
 * @see org.mortbay.jetty.Connector#getConfidentialScheme()
 */
/**
 * @see org.mortbay.jetty.Connector#isConfidential(org.mortbay.jetty.Request)
 */
/**
 * @param confidentialPort The confidentialPort to set.
 */
/**
 * @param confidentialScheme The confidentialScheme to set.
 */

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* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7-0-0pre3-sources-1-jar/org/mortbay/jetty/servlet/JDBCSessionManager.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7-0-0pre3-sources-1-jar/org/mortbay/jetty/security/Password.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7-0-0pre3-sources-1-jar/org/mortbay/jetty/handler/DefaultHandler.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7-0-0pre3-sources-1-jar/org/mortbay/jetty/HttpStatus.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7-0-0pre3-sources-1-jar/org/mortbay/jetty/servlet/FilterHolder.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7-0-0pre3-sources-1-jar/org/mortbay/xml/XmlConfiguration.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7-0-0pre3-sources-1-jar/org/mortbay/ietf/HttpHeaderValues.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7-0-0pre3-sources-1-jar/org/mortbay/jetty/Invoker.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7-0-0pre3-sources-1-jar/org/mortbay/jetty/security/B64Code.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7-0-0pre3-sources-1-jar/org/mortbay/handler/ErrorHandler.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7-0-0pre3-sources-1-jar/org/mortbay/io/Buffer.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7-0-0pre3-sources-1-jar/org/mortbay/bio/SocketConnector.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7-0-0pre3-sources-1-jar/org/mortbay/jetty/HttpFields.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7-0-0pre3-sources-1-jar/org/mortbay/jetty/MimeTypes.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7-0-0pre3-sources-1-jar/org/mortbay/io/nio/NIOBuffer.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7-0-0pre3-sources-1-jar/org/mortbay/jetty/HttpMethods.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7-0-0pre3-sources-1-jar/org/mortbay/jetty/servlet/PathMap.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7-0-0pre3-sources-1-jar/org/mortbay/jetty/security/security/SecurityHandler.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7-0-0pre3-sources-1-jar/org/mortbay/jetty/security/SSORealm.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7-0-0pre3-sources-1-jar/org/mortbay/io/Connection.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7-0-0pre3-sources-1-jar/org/mortbay/jetty/handler/ResourceHandler.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7-0-0pre3-sources-1-jar/org/mortbay/jetty/security/UserRealm.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7-0-0pre3-sources-1-jar/org/mortbay/resource/JarFileResource.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7-0-0pre3-sources-1-jar/org/mortbay/io/BufferCache.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/servlet/Dispatcher.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/InclusiveByteRange.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/resource/BadResource.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/nio/BlockingChannelConnector.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/ResourceCache.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/resource/Resource.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/security/DigestAuthenticator.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/nio/SelectChannelConnector.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/servlet/DefaultServlet.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/resource/JarResource.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/io/AbstractBuffer.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/security/FormAuthenticator.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/webapp/WebInfConfiguration.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/webapp/WebAppClassLoader.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/io/ByteArrayBuffer.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/servlet/AbstractSessionManager.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/HttpVersions.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/security/BasicAuthenticator.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/io/WriterOutputStream.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/servlet/JDBCSessionIdManager.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/servlet/ServletHolder.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/servlet/ServletHolder.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/servlet/ServletHolder.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/servlet/ServletHolder.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/servlet/ServletHolder.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/servlet/ServletHolder.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/servlet/ServletHolder.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/servlet/ServletHolder.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/servlet/ServletHolder.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/servlet/ServletHolder.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/servlet/ServletHolder.java
/*
 * @(#)UnixCrypt.java 0.9 96/11/25
 *
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* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/servlet/FilterMapping.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/deployer/FileConfigurationManager.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/io/nio/SelectorManager.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/HandlerContainer.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/webapp/WebAppContext.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/servlet/Context.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/servlet/NoJspServlet.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/HttpException.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/NCSARequestLog.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/EofException.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/Handler.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/io/ByteArrayEndPoint.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/HttpException.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/RequestLog.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/servlet/NIOResourceCache.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/io/Buffers.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/Suspendable.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/CookieCutter.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/jetty/Servlet3Continuation.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/io/bio/StringEndPoint.java
* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7.0-0pre3-sources-1-jar/org/mortbay/io/bio/StringEndPoint.java
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isConfidential}(request), or false
 *  if there is no connector.
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* /opt/cola/permits/1124924897_1611198082.52/0/jetty-7-0-0pre3-sources-1-
jar/org/mortbay/jetty/HttpConnection.java

1.6266 htmlparser2 4.1.0
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1.6269 snappy-java 1.1.2.6

1.6270 maglev-sidecar 1.6.42
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Metadata-Version: 2.0
Name: maglev-sidecar
Version: 1.6.42
Summary: Maglev Sidecar Service (1.6.42)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: Jinja2 (==2.8)
Requires-Dist: PyJWT (==1.4.0)
Requires-Dist: PyYAML (==3.12)
Requires-Dist: importlib-metadata (==2.0.0)
Requires-Dist: maglev-appserver (<=1.7.0)
Requires-Dist: maglev-common (<=1.6.0)
Requires-Dist: maglev-internal-api (<=1.6.0)
Requires-Dist: maglev-workflow (<=1.6.0)
Requires-Dist: monotonic (<=1.1)
Requires-Dist: numpy (<=1.18.4)
Requires-Dist: pykube (<=0.15.0)
Requires-Dist: setuptools (<=41.2.0)
Requires-Dist: setuptools-scm (<=3.4.3)
Requires-Dist: toml (<=0.10.0)
Requires-Dist: zipp (<=1.0.0)

# Sidecar for managed service
+ Requires : Python 3.5 download the dmg and install, use pyenv to create a virtual environment

Found in path(s):
* /opt/cola/permits/1145767606_1616362017.84/0/maglev-sidecar-1-6-42-dist-info-
  zip/inputdir/packages_extracted/targz/1/packages_extracted/3/packages_extracted/3/packages_extracted/22/maglev_-
  sidecar-1.6.42.dist-info/METADATA

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1.6272 racc 1.4.16
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## version 0.1
##
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##
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numpy/core/src/umath/ufunc_object.c
   Travis E. Oliphant 2005, 2006 oliphant@ee.byu.edu (oliphant.travis@ieee.org)
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   with inspiration and code from
   Numarray
   Space Science Telescope Institute
   J. Todd Miller
   Perry Greenfield
   Rick White
numpy/core/arrayprint.py
Written by Konrad Hinsen <hinsenk@ere.umontreal.ca>
last revision: 1996-3-13
modified by Jim Hugunin 1997-3-3 for repr's and str's (and other details)
and by Perry Greenfield 2000-4-1 for numarray
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with contributions from many Numeric Python developers 1995-2004
Heavily modified in 2005 with inspiration from Numarray
by
Travis Oliphant, oliphant@ee.byu.edu
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Numarray design (which provided guidance) by
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numpy/distutils/system_info.py
Authors:
Pearu Peterson <pearu@cens.ioc.ee>, February 2002
David M. Cooke <cookedm@physics.mcmaster.ca>, April 2002

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numpy/random/mtrand/distributions.c
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numpy/random/mtrand/randomkit.h
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numpy/random/mtrand/initarray.c

The following changes have been made to it in 2005 by Robert Kern:

* init_by_array has been declared extern, has a void return, and uses the
  rk_state structure to hold its data.

The original file has the following verbatim comments:

------------------------------------------------------------------
The code in this module was based on a download from:

It was modified in 2002 by Raymond Hettinger as follows:

* the principal computational lines untouched except for tabbing.

* renamed genrand_res53() to random_random() and wrapped
  in python calling/return code.

* genrand_int32() and the helper functions, init_genrand()
  and init_by_array(), were declared static, wrapped in
  Python calling/return code. also, their global data
  references were replaced with structure references.

* unused functions from the original were deleted.
  new, original C python code was added to implement the
  Random() interface.

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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numpy/random/mtrand/randomkit.c
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The rk_random and rk_seed functions algorithms and the original design of
the Mersenne Twister RNG:

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Original algorithm for the implementation of rk_interval function from Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

Constants used in the rk_double implementation by Isaku Wada.

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numpy/random/mtrand/\{mtrand.pyx, distributions.h\}
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In 2006, the package was completely rewritten by Pierre Gerard-Marchant
(University of Georgia) to make the MaskedArray class a subclass of ndarray,
and to improve support of structured arrays.

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* Adapted for numpy_core 2005 by Travis Oliphant and (mainly) Paul Dubois.
* Subclassing of the base ndarray 2006 by Pierre Gerard-Marchant
  (pgmdevlist_AT_gmail_DOT_com)
* Improvements suggested by Reggie Dugard (reggie_AT_merfinllc_DOT_com)
Author: Pierre Gerard-Marchant <pierregm_at_uga_dot_edu>

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    nditer_constr.c, nditer_pywrap.c, nditer_templ.c.src}
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    array_assign_scalar.c, datetime_busday.c,
    datetime_busdaycal.c, datetime.c, datetime_strings.c}
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1.6302 jackson-datatype-jdk8 2.9.9

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1.6305 hk2-locator 2.4.0-b25

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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
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You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception,
the materials to be distributed need not include anything that is
normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
the executable.

It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot
use both them and the Library together in an executable that you
distribute.

7. You may place library facilities that are a work based on the
Library side-by-side in a single library together with other library
facilities not covered by this License, and distribute such a combined
library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise
permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work
based on the Library, uncombined with any other library
facilities. This must be distributed under the terms of the
Sections above.

b) Give prominent notice with the combined library of the fact
that part of it is a work based on the Library, and explaining
where to find the accompanying uncombined form of the same work.

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<one line to give the library's name and a brief idea of what it does.>

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Also add information on how to contact you by electronic and paper mail.

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Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
This 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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http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html. You can also
obtain it by writing to the Free Software Foundation, Inc., 51
Franklin St, Fifth Floor, Boston, MA 02110-1301, USA.

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.

-------------------------------------
-----------

EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected
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
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
> looks like 2.8.11 is out and marked as "GPL-2" ... releasing
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> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
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On Monday 01 October 2007, Neulinger, Nathan wrote:
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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=
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applications are also GPL-2 which imo is just wrong. It isn't the place of =
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library to dictate 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
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> and see if he wants to relicense his code as LGPL... but at this
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much other than cleaning up the packaging and patches and a small
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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
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
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> > 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
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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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 191Gxptr020623
 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)
The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

--------
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.

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> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
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Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33
On Monday 01 October 2007, Neulinger, Nathan wrote:

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-- Nathan Neulinger
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> Mike Frysinger
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> To: Neulinger, Nathan
> Cc: cracklib-devel@li...; Alec Muffett
> Subject: Re: [Cracklib-devel] cracklib license
> =20
> On Monday 01 October 2007, Neulinger, Nathan wrote:
I understand that, and you're welcome to bring it up with Alec directly and see if he wants to relicense his code as LGPL... but at this point, it was released under. This wasn't actually a license change, just a clarification of the licensing that was already in place. The original license (before moving to SourceForge -- aka, 2.7) was not GPL-2 ... it was a modified artistic license ... I didn't notice the license change until it was mentioned in the latest notes. Unlike the old license, GPL-2 prevents people from using cracklib unless their applications are also GPL-2 which IMO is just wrong. It isn't the place of a library to dictate to application writes what license they should be using. Thus LGPL-2.1 enters to fill this void.

-Seventy

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57
It 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 you 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 you 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...
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 scanim-ipv6.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 l91Gxtrt020623
   for <nneul@umr.edu>; Mon,  1 Oct 2007 09:59:50 -0700 (PDT)
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 11:59:55 -0500
Received: [82.68.43.14] (helo=[192.168.1.3])
   by rutherford.zen.co.uk with esmtp (Exim 4.50)
id 1lcOcX-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>
<EC90713277D2BE41B7110CCE4235CE44F438@UMR-CMAIL1.umr.edu>
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBEFEBE69F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length: 585
Lines: 21

> 
> -------- Forwarded message --------
> From: Neulinger, Nathan <nneul@umr.edu>
> Date: Sep 27, 2007 2:58 PM
> Subject: RE: cracklib license
> To: alecm@crypto.dircon.co.uk
> 
> Any chance you could write me a self-contained email stating clearly
> that the license is being changed to GPL, so I could include that
> email
> in the repository and clean up the repository/tarballs? I have all the
> original discussion, but something succinct and self contained
> would be
> ideal.

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

1.6307 is-arrayish 0.2.1
1.6307.1 Available under license :

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1.6308 jnr-x86asm 1.0.2

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1.6313 compiler 0.9.3

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      FILE_SUFFIX: '.html',
      HAS_SOURCE:  true
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in

```
lib/gssapi/generic/gssapi_err_generic.c
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
```
<span class="n">lib</span><span class="o">/</span><span class="n">gssapi</span><span class="o">/</span><span class="n">mechglue</span><span class="o">/</span><span class="n">g_delete_sec_context</span><span class="o">.</span><span class="n">c</span>
and the initial implementation of incremental propagation, including
the following new or changed files:

```python
include/class/iprop_hdr.h
klassadmin/class/ipropd_svc.c
library/kdb/class/iprop.x
library/kdb/class/kdb_convert.c
library/kdb/class/kdb_log.c
library/kdb/class/kdb_log.h
library/krb5/class/error_tables/class/kdb5_err.et
slave/class/kpropd_rpc.c
slave/class/kproplog.c
</pre>
</div>

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Kerberos RT #3466
Debian bug #261712

=== krb5/src/appl/telnet/telnet/sys_bsd.c
==================================================================
--- krb5/src/appl/telnet/telnet/sys_bsd.c	(revision 2038)
+++ krb5/src/appl/telnet/telnet/sys_bsd.c	(local)
@@ -43,6 +43,8 @@
#include <sys/types.h>
#include <sys/time.h>
#include <sys/socket.h>
+include <sys/ioctl.h>
#ifdef HAVE_SYS_SELECT_H
#include <sys/select.h>
#include <sys/socket.h>
+include <sys/ioctl.h>
+
#define BSD 43
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
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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_accepsec_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_impsec_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
slave/kpropd_rpc.c
slave/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
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lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
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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
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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:

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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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in
"src/lib/gssapi", including the following files:

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
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kprolog.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')
        elif code_seen:
            warn(fname, ln, 'License after code')
        elif nonlicense_seen:
            warn(fname, ln, 'License after non-license comments')
        break
    # DB2 licenses start with '/*-' and we don't want to change them.
    if line != '' and line != '-':
        text_seen = True
    return is_license

def check_file(lines, fname):
    # Skip emacs mode line if present.
    ln = 0
    if '-*- mode: c;' in lines[ln]:
        ln += 1
    # Check filename comment if present.
    m = re.match(r'/\* ([^ \*\(\)]*)\(.*\)? \*/', lines[ln])
if m:
    if m.group(1) != fname:
        warn(fname, ln, 'Wrong filename in comment')
    ln += 1

# Scan for license statements.
in_comment = False
code_seen = False
nonlicense_seen = False
for line in lines[ln:]:
    # Strip out whitespace and comments contained within a line.
    if not in_comment:
        line = re.sub(r'\*/.*?\*/ ', '', line)
    line = line.strip()
    if not in_comment and '/*' in line:
        (line, sep, comment_part) = line.partition('/*')
        comment = [comment_part.strip()]
        comment_starts_at = ln
        in_comment = True
    elif in_comment and '*/' not in line:
        comment.append(line.lstrip('*').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
    if 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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1.6338 cron 3.0pl1-127+deb8u1

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* @(#)bitstring.h5.2 (Berkeley) 4/4/90
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*/opt/cola/permits/1127087209_1611772480.78/0/cron-3.0pl1-orig-1-tar-gz/cron-3.0pl1.orig/bitstring.h
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* /opt/cola/permits/1127087209_1611772480.78/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/compat.h
* /opt/cola/permits/1127087209_1611772480.78/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/externs.h

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Vixie Cron V3.0
December 27, 1993
[V2.2 was some time in 1992]
[V2.1 was May 29, 1991]
[V2.0 was July 5, 1990]
[V2.0-beta was December 9, 1988]
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283  62341

[V1.0 was May 6, 1987]
Paul Vixie

This is a version of 'cron' that is known to run on BSD 4.[23] systems. It is functionally based on the SysV cron, which means that each user can have their own crontab file (all crontab files are stored in a read-protected directory, usually /var/cron/tabs). No direct support is provided for 'at'; you can continue to run 'atrun' from the crontab as you have been doing. If you don't have atrun (i.e., System V) you are in trouble.

A messages is logged each time a command is executed; also, the files "allow" and "deny" in /var/cron can be used to control access to the "crontab" command (which installs crontabs). It hasn't been tested on SysV, although some effort has gone into making the port an easy one.

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To use this: Sorry, folks, there is no cutesy 'Configure' script. You'll have to go edit a couple of files... So, here's the checklist:

Read all the FEATURES, INSTALL, and CONVERSION files
Edit config.h
Edit Makefile
(both of these files have instructions inside; note that some things in config.h are definable in Makefile and are therefore surrounded by #ifndef...#endif)
'make'
'su' and 'make install'
(you may have to install the man pages by hand)
kil your existing cron process
(actually you can run your existing cron if you want, but why?)
build new crontabs using /usr/lib/{crontab,crontab.local}
(either put them all in "root"'s crontab, or divide it up and rip out all the 'su' commands, collapse the lengthy lists into ranges with steps -- basically, this step is as much work as you want to make it)
start up the new cron
(must be done as root)
watch it, test it with 'crontab -r' and watch the daemon track your changes.
if you like it, change your /etc/{rc,rc.local} to use it instead of the old one.
Found in path(s):
  * /opt/cola/permits/1127087209_1611772480.78/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/README
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" $Id: crontab.5,v 2.4 1994/01/15 20:43:43 vixie Exp $
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 */

$Id: INSTALL,v 2.5 1994/01/15 20:43:43 vixie Exp $

Read the comments at the top of the Makefile, then edit the area marked
'configurable stuff'.

Edit config.h. The stuff I expect you to change is down a bit from the
top of the file, but it's clearly marked. Also look at pathnames.h.

You don't have to create the /var/cron or /var/cron/tabs directories, since
both the daemon and the `crontab' program will do this the first time they
run if they don't exist. You do need to have a /var, though -- just "mkdir
/var" if you don't have one, or you can "mkdir /usr/var; ln -s /usr/var /var"
if you expect your /var to have a lot of stuff in it.

You will also need /usr/local/etc and /usr/local/bin directories unless you
change the Makefile. These will have to be created by hand, but if you are
a long-time Usenet user you probably have them already. /usr/local/man is
where I keep my man pages, but I have the source for `man' and you probably
do not. Therefore you may have to put the man pages into /usr/man/man1,
which will be hard since there will be name collisions. (Note that the man
command was originally written by Bill Joy before he left Berkeley, and it
contains no AT&T code, so it is in UUNET's archive of freely-distributable
BSD code.)

LINUX note: /usr/include/paths.h on some linux systems shows _PATH_SENDMAIL
to be /usr/bin/sendmail even though sendmail is installed in /usr/lib.
you should check this out.

say:
make all

su and say:
make install

Note that if I can get you to "su and say" something just by asking, you have
a very serious security problem on your system and you should look into it.

Edit your /usr/lib/crontab file into little pieces -- see the CONVERSION file
for help on this.

Use the `crontab' command to install all the little pieces you just created.
Some examples (see below before trying any of these!)

crontab -u uucp -r /usr/lib/uucp/crontab.src

Note that if I can get you to "su and say" something just by asking, you have
a very serious security problem on your system and you should look into it.

Kill your existing cron daemon -- do `ps aux' and look for /etc/cron.

Edit your /etc/rc or /etc/rc.local, looking for the line that starts up
/etc/cron. Comment it out and add a line to start the new cron daemon
-- usually /usr/local/etc/cron, unless you changed it in the Makefile.

Start up this cron daemon yourself as root. Just type /usr/local/etc/cron
(or whatever); no `&' is needed since the daemon forks itself and the
process you executed returns immediately.

ATT notes: for those people unfortunate enough to be stuck on a AT&T UNIX, you will need the public-domain "libndir", found in the B News source and in any comp.sources.unix archive. You will also need to hack the code some.

Found in path(s):
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$Id: cron.8,v 2.2 1993/12/28 08:34:43 vixie Exp $

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" */
"
"$Id: crontab.1,v 2.4 1993/12/31 10:47:33 vixie Exp $
"

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* /opt/cola/permits/1127087209_1611772480.78/0/cron-3-0p11-orig-1-tar-gz/cron-3.0p11.orig/crontab.1
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* /opt/ws_local/PERMITS_SQL/1022263336_1596469669.51/0/kbn-config-schema-zip/kbn-config-schema/src/types/number_type.ts
* /opt/ws_local/PERMITS_SQL/1022263336_1596469669.51/0/kbn-config-schema-zip/kbn-config-schema/target/out/types/conditional_type.test.js
* /opt/ws_local/PERMITS_SQL/1022263336_1596469669.51/0/kbn-config-schema-zip/kbn-config-schema/target/out/duration/index.js
* /opt/ws_local/PERMITS_SQL/1022263336_1596469669.51/0/kbn-config-schema-zip/kbn-config-schema/src/types/type.ts
* /opt/ws_local/PERMITS_SQL/1022263336_1596469669.51/0/kbn-config-schema-zip/kbn-config-schema/target/out/references/context_reference.js
* /opt/ws_local/PERMITS_SQL/1022263336_1596469669.51/0/kbn-config-schema-zip/kbn-config-schema/target/out/errors/validation_error.js
* /opt/ws_local/PERMITS_SQL/1022263336_1596469669.51/0/kbn-config-schema-zip/kbn-config-schema/src/types/literal_type.test.ts
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* /opt/ws_local/PERMITS_SQL/1022263336_1596469669.51/0/kbn-config-schema-zip/kbn-config-schema/src/error/schema_error.test.ts
* /opt/ws_local/PERMITS_SQL/1022263336_1596469669.51/0/kbn-config-schema-zip/kbn-config-schema/src/types/maybe_type.ts
* /opt/ws_local/PERMITS_SQL/1022263336_1596469669.51/0/kbn-config-schema-zip/kbn-config-schema/src/types/record_type.ts
* /opt/ws_local/PERMITS_SQL/1022263336_1596469669.51/0/kbn-config-schema-zip/kbn-config-schema/target/out/types/maybe_type.js
* /opt/ws_local/PERMITS_SQL/1022263336_1596469669.51/0/kbn-config-schema-zip/kbn-config-schema/target/out/types/boolean_type.js
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* /opt/ws_local/PERMITS_SQL/1022263336_1596469669.51/0/kbn-config-schema-zip/kbn-config-schema/types/joi.d.ts
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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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(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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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 structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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For 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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 * ANY "key derivation key" AT ALL!!!
 * 
 * NOTE:<br> This method is generally not intended to be called separately.
 * It is used by ESAPI's reference crypto implementation class { @code JavaEncryptor}
 * and might be useful for someone implementing their own replacement class, but
 * generally it is not something that is useful to application client code.
 *
 * @param keyDerivationKey  A key used as an input to a key derivation function
 * to derive other keys. This is the key that generally
 * is created using some key generation mechanism such as
 * { @link #generateSecretKey(String, int)}. The
 * "input" key from which the other keys are derived.
* The derived key will have the same algorithm type as this key.
* @param keySize The cipher's key size (in bits) for the {@code keyDerivationKey}.
* Must have a minimum size of 56 bits and be an integral multiple of 8-bits.
* <b>Note:</b> The derived key will have the same size as this.
* @param purpose The purpose for the derived key. Must be either the string "encryption" or "authenticity". Use "encryption" for creating a derived key to use for confidentiality, and "authenticity" for a derived key to use with a MAC to ensure message authenticity.
* @return The derived {@code SecretKey} to be used according to the specified purpose. Note that this serves the same purpose as "label" in section 5.1 of NIST SP 800-108.
* @throws NoSuchAlgorithmException The {@code keyDerivationKey} has an unsupported encryption algorithm or no current JCE provider supports "HmacSHA1".
* @throws EncryptionException If "UTF-8" is not supported as an encoding, then this is thrown with the original {@code UnsupportedEncodingException} as the cause. (NOTE: This should never happen as "UTF-8" is supposed to be a common encoding supported by all Java implementations. Support for it is usually in rt.jar.)
* @throws InvalidKeyException Likely indicates a coding error. Should not happen.
* @throws EncryptionException Throw for some precondition violations.
* @deprecated Use{@code KeyDerivationFunction} instead. This method will be removed as of ESAPI release 2.1 so if you are using this, please change your code.
*/
/**
* Return true if specified cipher mode is one of those specified in the
* [code ESAPI.properties] file that supports both confidentiality and authenticity (i.e., a "combined cipher mode" as NIST refers to it).
* @param cipherMode The specified cipher mode to be used for the encryption or decryption operation.
* @return true if the specified cipher mode is in the comma-separated list of cipher modes supporting both confidentiality and authenticity; otherwise false.
* @see org.owasp.esapi.SecurityConfiguration#getNameCipherModes()
*/

Found in path(s):
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/crypto/CryptoHelper.java
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An IntrusionException should be thrown anytime an error condition arises that is likely to be the result of an attack in progress. IntrusionExceptions are handled specially by the IntrusionDetector, which is equipped to respond by either specially logging the event, logging out the current user, or invalidating the current user's account.

Unlike other exceptions in the ESAPI, the IntrusionException is a RuntimeException so that it can be thrown from anywhere and will not require a lot of special exception handling.

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@created 2009

Found in path(s):
/opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/errors/IntrusionException.java

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Found in path(s):
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 */

/** *
 * { @inheritdoc }
 *
 * The reference implementation sets the work directory, escapes the parameters as per the Codec in use, and then executes the command without using concatenation. The exact, absolute, canonical path of each executable must be listed as an approved executable in the ESAPI properties. The executable must also exist on the disk. All failures will be logged, along with parameters if specified. Set the logParams to false if you are going to invoke this interface with confidential information.
 */

Found in path(s):

* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1.jar/org/owasp/esapi/codecs/CSSCodec.java

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 * @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a> @created 2007
 */

/** *
 * { @inheritdoc }
 *
 * The reference implementation sets the work directory, escapes the parameters as per the Codec in use, and then executes the command without using concatenation. The exact, absolute, canonical path of each executable must be listed as an approved executable in the ESAPI properties. The executable must also exist on the disk. All failures will be logged, along with parameters if specified. Set the logParams to false if you are going to invoke this interface with confidential information.
 */

Found in path(s):

* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1.jar/org/owasp/esapi/reference/DefaultExecutor.java
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 *
 * @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @author kevin.w.wall@gmail.com
 * @created 2007
 */

/**
 * Encrypts the provided plaintext and returns a ciphertext string using the
 * master secret key and default cipher transformation.
 * <p>
 * <b>Compatibility with earlier ESAPI versions:</b> The symmetric encryption
 * in ESAPI 2.0 and later is not compatible with the encryption in ESAPI 1.4
 * or earlier. Not only are the interfaces slightly different, but they format
 * of the serialized encrypted data is incompatible. Therefore, if you have
 * encrypted data with ESAPI 1.4 or earlier, you must first encrypt it and
 * then re-encrypt it with ESAPI 2.0. Backward compatibility with ESAPI 1.4
 * was proposed to both the ESAPI Developers and ESAPI Users mailing lists
 * and voted down. More details are available in the ESAPI document
 * Why Is OWASP Changing ESAPI Encryption?</a>
 * <p>
 * <b>Why this method is deprecated:</b> Most cryptographers strongly suggest
 * that if you are creating crypto functionality for general-purpose use,
 * at a minimum you should ensure that it provides authenticity, integrity,
 * and confidentiality. This method only provides confidentiality, but not
 * authenticity or integrity. Therefore, you are encouraged to use
 * one of the other encryption methods referenced below. Because this
 * method provides neither authenticity nor integrity, it may be
 * removed in some future ESAPI Java release. Note: there are some cases
 * where authenticity / integrity are not that important. For instance, consider
 * a case where the encrypted data is never out of your application's control. For
 * example, if you receive data that your application is encrypting itself and then
 * storing the encrypted data in its own database for later use (and no other
 * applications can query or update that column of the database), providing
 * confidentiality alone might be sufficient. However, if there are cases
* where your application will be sending or receiving already encrypted data
* over an insecure, unauthenticated channel, in such cases authenticity and
* integrity of the encrypted data likely is important and this method should
* be avoided in favor of one of the other two.
*
* @param plaintext
*     the plaintext { @code String} to encrypt. Note that if you are encrypting
*     general bytes, you should encrypt that byte array to a String using
*     "UTF-8" encoding.
*
* @return
*     the encrypted, base64-encoded String representation of 'plaintext' plus
*     the random IV used.
*
* @throws EncryptionException
*     if the specified encryption algorithm could not be found or another problem exists with
*     the encryption of 'plaintext'
*
* @see #encrypt(PlainText)
* @see #encrypt(SecretKey, PlainText)
*
* @deprecated As of 1.4.2; use { @link #encrypt(PlainText))} instead, which
* also ensures message authenticity. This method will be
* completely removed as of the next major release or point
* release (3.0 or 2.1, whichever comes first) as per OWASP
* deprecation policy.
* */

Found in path(s):
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/Encryptor.java
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* *
* @author Chris Schmidt (chris.schmidt@owasp.org)
* @created 2010
*/
Found in path(s):
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/crypto/CryptoDiscoverer.java
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 * @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @author Jim Manico (jim@manico.net) <a href="http://www.manico.net">Manico.net</a>
 *
 * @created 2007
 */

Found in path(s):
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/reference/DefaultValidator.java
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Found in path(s):
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/errors/EncryptionRuntimeException.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-
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 * @author Arshan Dabirsiaghi <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @created 2009
 */

Found in path(s):
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/waf/rules/AddHTTPOnlyFlagRule.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/waf/rules/BeanShellRule.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/waf/rules/RestrictUserAgentRule.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/waf/actions/Action.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/waf/internal/InterceptingHttpServletRequest.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/waf/rules/IRule.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/waf/actions/RedirectAction.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/waf/actions/DoNothingAction.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/waf/internal/InterceptingHttpServletRequest.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/waf/internal/InterceptingPrintWriter.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/waf/rules/RestrictContentTypeRule.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/waf/rules/EnforceHTTPSRule.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/waf/rules/Rule.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/waf/rules/ReplaceContentTypeRule.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/waf/internal/Parameter.java

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 */
Return a \{ @code List \} of strings of combined cipher modes that support
both confidentiality and authenticity. These would be preferred
cipher modes to use if your JCE provider supports them. If such a
cipher mode is used, no explicit \(<\)separate\(>\) MAC is calculated as part of
the \{ @code CipherText \} object upon encryption nor is any attempt made
to verify the same on decryption.

The list is taken from the comma-separated list of cipher modes specified
by the ESAPI property
\{ @code Encryptor.cipher_modes.combined_modes \}.

@return The parsed list of comma-separated cipher modes if the property
was specified in \{ @code ESAPI.properties \}; otherwise the empty list is
returned.

This methods adds a provider to the \{ @code SecurityManager \}
either by some generic name or by the class name.

The following generic JCE provider names are built-in:

- SunJCE
- IBMJCE [for WebSphere]
- GnuCrypto [for use with GNU Compiler for Java, i.e., gcj]
- BC [i.e., Bouncy Castle]
- IAIK
- CryptixCrypto (or Cryptix)
- ABA

Note that neither Cryptix or ABA are actively maintained so
it is recommended that you do not start using them for ESAPI
unless your application already has a dependency on them. Furthermore,
the Cryptix JCE jars likely will not work as the Cryptix code signing
certificate has expired as of August 28, 2009. (This likely is true
for ABA, but I can't even find a copy to download!). Lastly, the IAIK
provider is no longer offered as free, open source. It is not a
commercial product. See [ @link http://jce.iak.tugraz.at/ ] for
* details. While some older versions were offered free, it is not clear
* whether the accompanying license still allows you to use it, and if
* it does, whether or not the code signing certificate used to sign
* their JCE jar(s) has expired are not. Therefore, if you are looking
* for a FOSS alternative to SunJCE, Bouncy Castle
* ([@link http://www.bouncycastle.org/] is probably your best bet. The
* BC provider does support many the "combined cipher modes" that provide
* both confidentiality and authenticity. (See the [@code ESAPI.properties]
* property [@code Encryptor.cipher_modes.combined_modes] for details.)
* </p><p>
* For those working in the U.S. federal government, it should be noted
* that `<i>none</i>` of the providers listed here are considered validated
* by NIST's Cryptographic Module Validation Program and are therefore
* not considered FIPS 140-2 compliant. There are a few approved
* JCE compatible Java libraries that are on NIST's CMVP list, but this
* list changes constantly so they are not listed here. For further details
* on NIST's CMVP, see
* [@link http://csrc.nist.gov/groups/STM/cmvp/index.html].
* </p><p>
* Finally, if you wish to use some other JCE provider not recognized above,
* you must specify the provider's fully-qualified class name (which in
* turn must have a public, no argument constructor).
* </p><p>
* The application must be given the [@code SecurityPermission] with a
* value of [@code insertProvider.&lt;provider_name&gt;] (where
* &lt;provider_name&gt; is the name of the algorithm provider if
* a security manager is installed.
* </p><p>
* @param algProvider Name of the JCE algorithm provider. If the name
* contains a ".", this is interpreted as the name
* of a [@code java.security.Provider] class name.
* @param pos The preference position (starting at 1) that the
* caller would like for this provider. If you wish
* for it to be installed as the `<i>last</i>` provider
* (as of the time of this call), set [@code pos] to -1.
* @return The actual preference position at which the provider was added,
* or -1 if the provider was not added because it is already
* installed.
* @exception NoSuchProviderException - thrown if the provider class
* could not be loaded or added to the [@code SecurityManager] or
* any other reason for failure.
*/

Found in path(s):
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-
  jar/org/owasp/esapi/crypto/SecurityProviderLoader.java
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* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-
jar/org/owasp/esapi/filters/SecurityWrapperResponse.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-
jar/org/owasp/esapi/filters/SecurityWrapperRequest.java

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jar/org/owasp/esapi/tags/EncodeForHTMLTag.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-
jar/org/owasp/esapi/tags/BaseEncodeTag.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-
jar/org/owasp/esapi/tags/EncodeForHTMLAttributeTag.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-
jar/org/owasp/esapi/tags/EncodeForVBScriptTag.java
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 * @author Mike Fauzy <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @created 2007
 */

Found in path(s):
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/reference/accesscontrol/FileBasedACRs.java
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 * @author Rogan Dawes<a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @created 2008
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/**
 * The method is ESAPI's Key Derivation Function (KDF) that computes a
 * derived key from the {code keyDerivationKey} for either
 * encryption / decryption or for authentication.
 * <p>
 * CAUTION: If this algorithm for computing derived keys from the
 * key derivation key is ever changed, we risk breaking backward compatibility of being
 * able to decrypt data previously encrypted with earlier / different versions
 * of this method. Therefore, do not change this unless you are 100% certain that
 * what you are doing will NOT change either of the derived keys for
 * ANY "key derivation key" AT ALL!!!
 * <p>
 * NOTE: This method is generally not intended to be called separately.
 * It is used by ESAPI's reference crypto implementation class {code JavaEncryptor}
 * and might be useful for someone implementing their own replacement class, but
 * generally it is not something that is useful to application client code.
 * <p>
 * @param keyDerivationKey A key used as an input to a key derivation function
 * to derive other keys. This is the key that generally
 * is created using some key generation mechanism such as
 * {code generateSecretKey(String, int)}. The
 * "input" key from which the other keys are derived.
 * The derived key will have the same algorithm type
 * as this key. This KDK cannot be null.
 * @param keySize The cipher's key size (in bits) for the {code keyDerivationKey}.
 * Must have a minimum size of 56 bits and be an integral multiple of 8-bits.
* <b>Note:</b> The derived key will have the same size as this.
* @param purpose The purpose for the derived key. For the ESAPI reference implementation,
* [ @code JavaEncryptor], this <i>must</i> be either the string "encryption" or
* "authenticity", where "encryption" is used for creating a derived key to use
* for confidentiality, and "authenticity" is used for creating a derived key to
* use with a MAC to ensure message authenticity. However, since parameter serves
* the same purpose as the "Label" in section 5.1 of NIST SP 800-108, it really can
* be set to anything other than [ @code null] or an empty string when called outside
* of [ @code JavaEncryptor].
* @return The derived [ @code SecretKey] to be used according
* to the specified purpose.
* @throws NoSuchAlgorithmException The [ @code keyDerivationKey] has an unsupported
* encryption algorithm or no current JCE provider supports
* "HmacSHA1".
* @throws EncryptionExceptionIf "UTF-8" is not supported as an encoding, then
* this is thrown with the original [ @code UnsupportedEncodingException]
* as the cause. (NOTE: This should never happen as "UTF-8" is supposed to
* be a common encoding supported by all Java implementations. Support
* for it is usually in rt.jar.)
* @throws InvalidKeyException Likely indicates a coding error. Should not happen.
* @throws EncryptionException Throw for some precondition violations.
*/

Found in path(s):
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/crypto/KeyDerivationFunction.java
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 * *
 * @author Mike Fauzy <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @author Rogan Dawes <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @created 2008
 */

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* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/ESAPI.java
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* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-
  jar/org/owasp/esapi/codecs/XMLEntityCodec.java
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 *
 * @created 2010
 */

// Because attribute values may be confidential, we don't want to log them!

Found in path(s):
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-
  jar/org/owasp/esapi/crypto/CryptoToken.java
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* @created 2007
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* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/reference/DefaultIntrusionDetector.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/codecs/Codec.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/errors/AuthenticationException.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/codecs/HTMLEntityCodec.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/errors/AccessControlException.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/codecs/PercentCodec.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/errors/AuthenticationLoginException.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/filters/SecurityWrapper.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/errors/IntegrityException.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/StringUtilities.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/codecs/PushbackString.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/errors/EncodingException.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/codecs/JavaScriptCodec.java
jar/org/owasp/esapi/filters/ESAPIFilter.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-
jar/org/owasp/esapi/reference/IntegerAccessReferenceMap.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-
jar/org/owasp/esapi/reference/DefaultEncoder.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-
jar/org/owasp/esapi/errors/ExecutorException.java

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 * @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @created February 6, 2009
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Found in path(s):
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-
jar/org/owasp/esapi/filters/ClickjackFilter.java

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/**
 * <p>Encodes and decodes to and from Base64 notation.</p>
 * <p>Homepage: <a href="http://iharder.net/base64">http://iharder.net/base64</a>.</p>
 * <p>The <tt>options</tt> parameter, which appears in a few places, is used to pass
 * several pieces of information to the encoder. In the "higher level" methods such as
 * encodeBytes( bytes, options ) the options parameter can be used to indicate such
 * things as first gzipping the bytes before encoding them, not inserting linefeeds
 * (though that breaks strict Base64 compatibility), and encoding using the URL-safe
 * and Ordered dialects.</p>
 *
 * <p>The constants defined in Base64 can be OR-ed together to combine options, so you
 * might make a call like this:</p>
 *
 * <code>String encoded = Base64.encodeBytes( mybytes, Base64.GZIP | Base64.DONT_BREAK_LINES );</code>
 *
 * <p>to compress the data before encoding it and then making the output have no newline characters.</p>
 *
 *
 * <p>Change Log:</p>
 * <p></p>
 * <li>v2.2.2 - Fixed encodeFileToFile and decodeFileToFile to use the
 * Base64.InputStream class to encode and decode on the fly which uses
 * less memory than encoding/decoding an entire file into memory before writing.</li>
 * <li>v2.2.1 - Fixed bug using URL_SAFE and ORDERED encodings. Fixed bug
 * when using very small files (~< 40 bytes).</li>
 * <li>v2.2 - Added some helper methods for encoding/decoding directly from
 * one file to the next. Also added a main() method to support command line
 * encoding/decoding from one file to the next. Also added these Base64 dialects:
 * <ol>
 * <li>The default is RFC3548 format.</li>
 * <li>Calling Base64.setFormat(Base64.BASE64_FORMAT.URLSAFE_FORMAT) generates
 * URL and file name friendly format as described in Section 4 of RFC3548.
 * <li>Calling Base64.setFormat(Base64.BASE64_FORMAT.ORDERED_FORMAT) generates
 * URL and file name friendly format that preserves lexical ordering as described
 * in http://www.faqs.org/qa/rfcc-1940.html</li>
 * </ol>
 * Special thanks to Jim Kellerman at <a href="http://www.powerset.com/">http://www.powerset.com</a>
* for contributing the new Base64 dialects.
* </li>
*
* <li>v2.1 - Cleaned up javadoc comments and unused variables and methods. Added
* some convenience methods for reading and writing to and from files.</li>
* <li>v2.0.2 - Now specifies UTF-8 encoding in places where the code fails on systems
* with other encodings (like EBCDIC).</li>
* <li>v2.0.1 - Fixed an error when decoding a single byte, that is, when the
* encoded data was a single byte.</li>
* <li>v2.0 - I got rid of methods that used booleans to set options.
* Now everything is more consolidated and cleaner. The code now detects
* when data that's being decoded is gzip-compressed and will decompress it
* automatically. Generally things are cleaner. You'll probably have to
* change some method calls that you were making to support the new
* options format (<tt>int</tt>s that you "OR" together).</li>
* <li>v1.5.1 - Fixed bug when decompressing and decoding to a
* byte[] using <tt>decode( String s, boolean gzipCompressed )</tt>.</li>
* Added the ability to "suspend" encoding in the Output Stream so
* you can turn on and off the encoding if you need to embed base64
* data in an otherwise "normal" stream (like an XML file).</li>
* <li>v1.5 - Output stream pases on flush() command but doesn't do anything itself.
* This helps when using GZIP streams.</li>
* Added the ability to GZip-compress objects before encoding them.</li>
* <li>v1.4 - Added helper methods to read/write files.</li>
* <li>v1.3.6 - Fixed OutputStream.flush() so that 'position' is reset.</li>
* <li>v1.3.5 - Added flag to turn on and off line breaks. Fixed bug in input stream
* where last buffer being read, if not completely full, was not returned.</li>
* <li>v1.3.4 - Fixed when "improperly padded stream" error was thrown at the wrong time.</li>
* <li>v1.3.3 - Fixed I/O streams which were totally messed up.</li>
* </ul>
*
* I am placing this code in the Public Domain. Do with it as you will.
* This software comes with no guarantees or warranties but with
* plenty of well-wishing instead!
* Please visit <a href="http://iharder.net/base64">http://iharder.net/base64</a>
* periodically to check for updates or to contribute improvements.
* </p>
*
* @author Robert Harder
* @author rob@iharder.net
* @version 2.2.2
*/

Found in path(s):
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/codecs/Base64.java
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 * @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @author kevin.w.wall@gmail.com
 * @created 2007
 */

// Using cipher mode that supports *both* confidentiality *and* authenticity? If so, then
// If we are using a "preferred" cipher mode--i.e., one that supports *both* confidentiality and

Found in path(s):
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-
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 * @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @created 2007
 */

/ *
* Executes a system command after checking that the executable exists and
* escaping all the parameters to ensure that injection is impossible.
* Implementations must change to the specified working
* directory before invoking the command.
*
* @param executable
*       the command to execute
* @param params

* the parameters of the command being executed
* @param workdir
  * the working directory
* @param codec
  * the codec to use to encode for the particular OS in use
* @param logParams
  * use false if any parameters contains sensitive or confidential information
* @return the output of the command being run
* @throws ExecutorException
  * the service exception
*/

Found in path(s):
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/Executor.java
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Found in path(s):
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* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/reference/Log4JLogger.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/reference/Log4JLoggerFactory.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/reference/DefaultHTTPUtilities.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/reference/RandomAccessReferenceMap.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/reference/Validator.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1-jar/org/owasp/esapi/reference/AbstractAccessReferenceMap.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1.jar/org/owasp/esapi/reference/DefaultSecurityConfiguration.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1.jar/org/owasp/esapi/codecs/OracleCodec.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1.jar/org/owasp/esapi/reference/crypto/ReferenceEncryptedProperties.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1.jar/org/owasp/esapi/HTTPUtilities.java
* /opt/cola/permits/1124804985_1611179435.29/0/esapi-2-0ga-sources-1.jar/org/owasp/esapi/reference/FileBasedAuthenticator.java

1.6348 call-limit 1.1.1

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1.6349 libsigsegv 2.12-2

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1.6350 filechooserdemo 1.8.0_112

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1.6351 websocket-client 9.3.27.v20190418

1.6352 ncursesbin 6.1+20181013-2+deb10u1
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-- vile:txtmode fc=72
-- $Id: COPYING,v 1.6 2018/01/01 12:00:00 tom Exp $
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This package was put together by Vaidhyanathan G Mayilrangam
<vaidhy@debian.org> and Joel Klecker <espy@debian.org>, using sources
Current versions of the ncurses sources are found at
ftp://invisible-island.net/ncurses/.

It is based somewhat on work done by Bruce Perens <Bruce@Pixar.com>,
David Engel <david@elo.ods.com>, Michael Alan Dorman
<mdorman@debian.org>, Richard Braakman <dark@xs4all.nl>, James Troup
<jtroup@comp.brad.ac.uk>, J.H.M. Dassen (Ray)
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-jar/io/netty/handler/flow/FlowControlHandler.java
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* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-jar/io/netty/handler/logging/package-info.java
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-jar/io/netty/handler/stream/ChunkedWriteHandler.java
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-jar/io/netty/handler/timeout/WriteTimeoutException.java
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-jar/io/netty/handler/timeout/ReadTimeoutException.java
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-jar/io/netty/handler/timeout/IdleState.java
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-jar/io/netty/handler/ssl/sslutil/package-info.java
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-jar/io/netty/handler/stream/ChunkedStream.java
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-jar/io/netty/handler/timeout/package-info.java
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-jar/io/netty/handler/ssl/package-info.java
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-jar/io/netty/handler/ssl/SslHandler.java
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-jar/io/netty/handler/timeout/WriteTimeoutHandler.java
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-jar/io/netty/handler/stream/package-info.java
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-jar/io/netty/handler/timeout/ReadTimeoutHandler.java
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-jar/io/netty/handler/stream/ChunkedNioFile.java
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-jar/io/netty/handler/logging/LoggingHandler.java
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-jar/io/netty/handler/ssl/NotSslRecordException.java
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-jar/io/netty/handler/stream/ChunkedFile.java
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-jar/io/netty/handler/stream/ChunkedInput.java
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-jar/io/netty/handler/stream/ChunkedNioStream.java
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-jar/io/netty/handler/timeout/IdleStateHandler.java

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* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-jar/io/netty/handler/traffic/AbstractTrafficShapingHandler.java

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* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-jar/io/netty/handler/ssl/PemEncoded.java
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-jar/io/netty/handler/ssl/OpenSslCertificateException.java
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-jar/io/netty/handler/ssl/Java8SslUtils.java
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* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-jar/io/netty/handler/ssl/DelegatingSslContext.java
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-jar/io/netty/handler/flush/package-info.java
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-jar/io/netty/handler/ssl/util/X509TrustManagerWrapper.java
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-jar/io/netty/handler/ssl/PemX509Certificate.java
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-jar/io/netty/handler/ssl/PemPrivateKey.java
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-jar/io/netty/handler/ssl/OpenSslKeyMaterialManager.java
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-jar/io/netty/handler/flow/package-info.java
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-jar/io/netty/handler/flush/FlushConsolidationHandler.java
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-jar/io/netty/handler/ssl/PemValue.java

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  jar/io/netty/handler/traffic/GlobalChannelTrafficShapingHandler.java
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  jar/io/netty/handler/ssl/OpenSslPrivateKeyMethod.java
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-
  jar/io/netty/handler/ssl/PseudoRandomFunction.java
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-
  jar/io/netty/handler/address/package-info.java
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-
  jar/io/netty/handler/ssl/SslMasterKeyHandler.java
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-
  jar/io/netty/handler/address/DynamicAddressConnectHandler.java
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* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-
  jar/io/netty/handler/traffic/package-info.java
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-
  jar/io/netty/handler/traffic/TrafficCounter.java
* /opt/ws_local/PERMITS_SQL/1072871132_1595214674.28/0/netty-handler-4-1-42-final-sources-1-
  jar/io/netty/handler/traffic/ChannelTrafficShapingHandler.java

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1.6356 backports-functools-lru-cache 1.4

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Metadata-Version: 1.2
Name: backports.functools-lru-cache
Version: 1.4
Summary: backports.functools_lru_cache
Home-page: https://github.com/jaraco/backports.functools_lru_cache
Author: Jason R. Coombs
Author-email: jaraco@jaraco.com
License: UNKNOWN
Description:

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<https://github.com/jaraco/skeleton/issues/1>`_.

Backport of functools.lru_cache from Python 3.3 as published at `ActiveState`
<http://code.activestate.com/recipes/578078/>`

Usage
-----

Consider using this technique for importing the 'lru_cache' function::

    try:
        from functools import lru_cache
    except ImportError:
        from backports.functools_lru_cache import lru_cache

Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: MIT License
Classifier: Programming Language :: Python :: 2.6
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3
Requires-Python: >=2.6

Found in path(s):
* /opt/cola/permits/1100839934_1602901352.24/0/backports-functools-lru-cache-1.4-tar.gz/backports.functools_lru_cache-1.4/backports.functools_lru_cache.egg-info/PKG-INFO
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Found in path(s):
* /opt/cola/permits/1100839934_1602901352.24/0/backports-functools-lru-cache-1.4-tar-gz/backports.functools_lru_cache-1.4/setup.py
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Metadata-Version: 1.2
Name: backports.functools_lru_cache
Version: 1.4
Summary: backports.functools_lru_cache
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Author: Jason R. Coombs
Author-email: jaraco@jaraco.com
License: UNKNOWN
Description: .. image:: https://img.shields.io/pypi/v/backports.functools_lru_cache.svg
   :target: https://pypi.org/project/backports.functools_lru_cache

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Backport of functools.lru_cache from Python 3.3 as published at `ActiveState <http://code.activestate.com/recipes/578078/>`

Usage
-----

Consider using this technique for importing the 'lru_cache' function::

    try:
        from functools import lru_cache
    except ImportError:
        from backports.functools_lru_cache import lru_cache
1.6357 ncursesbin 6.0+20161126-1+deb9u1

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1.6358 pyasn1 0.1.9

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1.6360 jmxtrans-core 267
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1.6361 stack-trace 0.0.9

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1.6362 libyaml 0.1.7 2ubuntu3

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1.6363 align-text 0.1.4

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Syslog Client Logging Framework for Erlang

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The following was recevied February 23,2000
From: "Linn, John" <jlinn@rsasecurity.com>

February 19, 2000

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1.6383 pycparser 2.19
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pycparser -- A C parser in Python

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GCC developers
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1.6386 libalgorithm-c3-perl 0.09-1

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=pod

=head1 NAME

Algorithm::C3 - A module for merging hierarchies using the C3 algorithm

=head1 SYNOPSIS

use Algorithm::C3;

# merging a classic diamond
# inheritance graph like this:
#
#  <A>
#   / \
#  <B> <C>
#   \ /
#    <D>

my @merged = Algorithm::C3::merge( 'D',
    sub { # extract the ISA array
        # from the package
        no strict 'refs';
        @{$_[0] . '::ISA'};
=head1 DESCRIPTION

This module implements the C3 algorithm. I have broken this out into it's own module because I found myself copying and pasting it way too often for various needs. Most of the uses I have for C3 revolve around class building and metamodels, but it could also be used for things like dependency resolution as well since it tends to do such a nice job of preserving local precedence orderings.

Below is a brief explanation of C3 taken from the L<Class::C3> module. For more detailed information, see the L<SEE ALSO> section and the links there.

=head2 What is C3?

C3 is the name of an algorithm which aims to provide a sane method resolution order under multiple inheritance. It was first introduced in the language Dylan (see links in the L<SEE ALSO> section), and then later adopted as the preferred MRO (Method Resolution Order) for the new-style classes in Python 2.3. Most recently it has been adopted as the 'canonical' MRO for Perl 6 classes, and the default MRO for Parrot objects as well.

=head2 How does C3 work.

C3 works by always preserving local precedence ordering. This essentially means that no class will appear before any of it's subclasses. Take the classic diamond inheritance pattern for instance:

```
  <A>
 / \  
<B> <C>
 \ /
 <D>
```

The standard Perl 5 MRO would be (D, B, A, C). The result being that B<A> appears before B<C>, even though B<C> is the subclass of B<A>. The C3 MRO algorithm however, produces the following MRO (D, B, C, A), which does not have this same issue.

This example is fairly trivial, for more complex examples and a deeper
explanation, see the links in the L<SEE ALSO> section.

=head1 FUNCTION

=over 4

=item B<merge ($root, $func_to_fetch_parent, $cache)>

This takes a C<$root> node, which can be anything really it is up to you. Then it takes a C<$func_to_fetch_parent> which can be either a CODE reference (see L<SYNOPSIS> above for an example), or a string containing a method name to be called on all the items being linearized. An example of how this might look is below:

{  
    package A;
    
    sub supers {  
        no strict 'refs';  
        @{$_[0] . '::ISA'};
    }
    
    package C;
    our @ISA = ('A');
    package B;
    our @ISA = ('A');
    package D;
    our @ISA = ('B', 'C');
}

print join ', ' => Algorithm::C3::merge('D', 'supers');

The purpose of C<$func_to_fetch_parent> is to provide a way for C<merge> to extract the parents of C<$root>. This is needed for C3 to be able to do it's work.

The C<$cache> parameter is an entirely optional performance measure, and should not change behavior.

If supplied, it should be a hashref that merge can use as a private cache between runs to speed things up. Generally speaking, if you will be calling merge many times on related things, and the parent fetching function will return constant results given the same arguments during all of these calls, you can and should reuse the same shared cache hash for all of the calls. Example:
sub do_some_merging {
    my %merge_cache;
    my @foo_mro = Algorithm::C3::Merge('Foo', \&get_supers, \%merge_cache);
    my @bar_mro = Algorithm::C3::Merge('Bar', \&get_supers, \%merge_cache);
    my @baz_mro = Algorithm::C3::Merge('Baz', \&get_supers, \%merge_cache);
    my @quux_mro = Algorithm::C3::Merge('Quux', \&get_supers, \%merge_cache);
    # ...
}

=head1 CODE COVERAGE

I use B<Devel::Cover> to test the code coverage of my tests, below
is the B<Devel::Cover> report on this module's test suite.

+------------------------+-----+-----+-----+-----+-----+-----+-----+
<table>
<thead>
<tr>
<th>File</th>
<th>stmt</th>
<th>bran</th>
<th>cond</th>
<th>sub</th>
<th>pod</th>
<th>time</th>
<th>total</th>
</tr>
</thead>
<tbody>
<tr>
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<td>100.0</td>
<td>100.0</td>
<td>100.0</td>
<td>100.0</td>
<td>100.0</td>
<td>100.0</td>
</tr>
</tbody>
</table>
+------------------------+-----+-----+-----+-----+-----+-----+-----+
| Total                  | 100.0| 100.0| 100.0| 100.0| 100.0| 100.0| 100.0|
+------------------------+-----+-----+-----+-----+-----+-----+-----+

=head1 SEE ALSO

=head2 The original Dylan paper

=over 4

=item L<http://www.webcom.com/haahr/dylan/linearization-oopsla96.html>

=back

=head2 The prototype Perl 6 Object Model uses C3

=over 4

=item L<http://svn.openfoundry.org/pugs/perl5/Perl6-MetaModel/>

=back

=head2 Parrot now uses C3

=over 4

=item L<http://aspn.activestate.com/ASPN/Mail/Message/perl6-internals/2746631>
AUTHORS

Stevan Little, E<lt>stevan@iinteractive.comE<gt>

Brandon L. Black, E<lt>blblack@gmail.comE<gt>

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cut

abstract: 'A module for merging hierarchies using the C3 algorithm'
author:
- 'Stevan Little <stevan@iinteractive.com>'
NAME

Algorithm::C3 - A module for merging hierarchies using the C3 algorithm

SYNOPSIS

use Algorithm::C3;

    # merging a classic diamond
    # inheritance graph like this:
    #
    #    <A>
    #   /   \
    #  <B>   <C>
    #   \   /
    #    <D>

    my @merged = Algorithm::C3::merge('D',
        sub {  # extract the ISA array
            # from the package
            #
        });
no strict 'refs';
$_{[0]}::ISA';
} }
);

print join ', ' => @merged; # prints D, B, C, A

DESCRIPTION
This module implements the C3 algorithm. I have broken this out into it's own module because I found myself copying and pasting it way too often for various needs. Most of the uses I have for C3 revolve around class building and metamodels, but it could also be used for things like dependency resolution as well since it tends to do such a nice job of preserving local precedence orderings.

Below is a brief explanation of C3 taken from the Class::C3 module. For more detailed information, see the "SEE ALSO" section and the links there.

What is C3?
C3 is the name of an algorithm which aims to provide a sane method resolution order under multiple inheritance. It was first introduced in the language Dylan (see links in the "SEE ALSO" section), and then later adopted as the preferred MRO (Method Resolution Order) for the new-style classes in Python 2.3. Most recently it has been adopted as the 'canonical' MRO for Perl 6 classes, and the default MRO for Parrot objects as well.

How does C3 work.
C3 works by always preserving local precedence ordering. This essentially means that no class will appear before any of it's subclasses. Take the classic diamond inheritance pattern for instance:

```
  <A>
 / \ 
 <B> <C>
 \ / 
 <D>
```

The standard Perl 5 MRO would be (D, B, A, C). The result being that A appears before C, even though C is the subclass of A. The C3 MRO algorithm however, produces the following MRO (D, B, C, A), which does not have this same issue.

This example is fairly trivial, for more complex examples and a deeper explanation, see the links in the "SEE ALSO" section.

FUNCTION
merge ($root, $func_to_fetch_parent, $cache)
This takes a $root node, which can be anything really it is up to
you. Then it takes a $func_to_fetch_parent which can be either a
CODE reference (see SYNOPSIS above for an example), or a string
containing a method name to be called on all the items being
linearized. An example of how this might look is below:
{
package A;
sub supers {
no strict 'refs';
@{$_[0] . '::ISA'};
}
package C;
our @ISA = ('A');
package B;
our @ISA = ('A');
package D;
our @ISA = ('B', 'C');
}
print join ", " => Algorithm::C3::merge('D', 'supers');
The purpose of $func_to_fetch_parent is to provide a way for "merge"
to extract the parents of $root. This is needed for C3 to be able to
do it's work.
The $cache parameter is an entirely optional performance measure,
and should not change behavior.
If supplied, it should be a hashref that merge can use as a private
cache between runs to speed things up. Generally speaking, if you
will be calling merge many times on related things, and the parent
fetching function will return constant results given the same
arguments during all of these calls, you can and should reuse the
same shared cache hash for all of the calls. Example:
sub do_some_merging {
my %merge_cache;
my @foo_mro = Algorithm::C3::Merge('Foo', \&get_supers, \%merge_cache);
my @bar_mro = Algorithm::C3::Merge('Bar', \&get_supers, \%merge_cache);
my @baz_mro = Algorithm::C3::Merge('Baz', \&get_supers, \%merge_cache);
my @quux_mro = Algorithm::C3::Merge('Quux', \&get_supers, \%merge_cache);
# ...
}

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CODE COVERAGE
I use Devel::Cover to test the code coverage of my tests, below is the Devel::Cover report on this module's test suite.

------------------------ ------ ------ ------ ------ ------ ------ ------
File                     stmt bran cond sub pod  time  total
------------------------ ------ ------ ------ ------ ------ ------ ------
Algorithm/C3.pm           100.0 100.0 100.0 100.0 100.0 100.0 100.0
------------------------ ------ ------ ------ ------ ------ ------ ------
Total                    100.0 100.0 100.0 100.0 100.0 100.0 100.0
------------------------ ------ ------ ------ ------ ------ ------ ------

SEE ALSO
The original Dylan paper
<http://www.webcom.com/haahr/dylan/linearization-oopsla96.html>

The prototype Perl 6 Object Model uses C3
<http://svn.openfoundry.org/pugs/perl5/Perl6-MetaModel/>

Parrot now uses C3
<http://aspn.activestate.com/ASPN/Mail/Message/perl6-internals/2746631>
<http://use.perl.org/~autrijus/journal/25768>

Python 2.3 MRO related links
<http://www.python.org/2.3/mro.html>
<http://www.python.org/2.2.2/descrintro.html#mro>

C3 for TinyCLOS

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</table>
# from http://www.huyng.com/posts/sane-color-scheme-for-matplotlib/

```python
patch.linewidth: 0.5
patch.facecolor: 348ABD  # blue
patch.edgecolor: EEEEEE
patch.antialiased: True

font.size: 10.0

axes.facecolor: E5E5E5
axes.edgecolor: white
axes.linewidth: 1
axes.grid: True
axes.titlesize: x-large
axes.labelsize: large
```
axes.labelcolor: 555555
axes.axisbelow: True  # grid/ticks are below elements (e.g., lines, text)

axes.prop_cycle: cycler('color', ['E24A33', '348ABD', '988ED5', '777777', 'FBC15E', '8EBA42', 'FFB5B8'])
    # E24A33 : red
    # 348ABD : blue
    # 988ED5 : purple
    # 777777 : gray
    # FBC15E : yellow
    # 8EBA42 : green
    # FFB5B8 : pink

xtick.color: 555555
xtick.direction: out

ytick.color: 555555
ytick.direction: out

grid.color: white
grid.linestyle: -  # solid line

figure.facecolor: white
figure.edgecolor: 0.50
# Seaborn paper context
figure.figsize: 6.4, 4.4
axes.labelsize: 8.8
axes.titlesize: 9.6
xtick.labelsize: 8
xtick.labelsize: 8
legend.fontsize: 8

grid.linewidth: 0.8
lines.linewidth: 1.4
patch.linewidth: 0.24
lines.markersize: 5.6
lines.markeredgewidth: 0

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xtick.major.pad: 5.6
xtick.major.pad: 5.6
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Comment Copyright (c) 1985, 1987, 1989, 1990 Adobe Systems Incorporated. All rights reserved.
Comment Creation Date: Thu Mar 15 08:58:00 1990
Comment UniqueID 28352
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KPX C period -30
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#Author: Cameron Davidson-Pilon, original styles from Bayesian Methods for Hackers
# https://github.com/CamDavidsonPilon/Probabilistic-Programming-and-Bayesian-Methods-for-Hackers/

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patch.facecolor: blue
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patch.antialiased: True

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KPX Agrave umacron -20
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KPX Amacron T -37
KPX Amacron Tcaron -37
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KPX Tcaron eacute -92
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KPX Tcaron edotaccent -92
KPX Tcaron egrave -52
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KPX Tcaron eogonek -92
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KPX Tcaron iogonek -55
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Comment found in jQuery source code:

/*!
* jQuery JavaScript Library v1.11.3
* http://jquery.com/
* 
* Includes Sizzle.js
* http://sizzlejs.com/
* 
* Copyright 2005, 2014 jQuery Foundation, Inc. and other contributors
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* 
* Date: 2015-04-28T16:19Z
*/

Comment found in jQuery UI source code:

/*! jQuery UI - v1.11.4 - 2015-03-11
* http://jqueryui.com
* Includes: core.js, widget.js, mouse.js, position.js, accordion.js, autocomplete.js, button.js, datepicker.js, dialog.js,
draggable.js, droppable.js, effect.js, effect-blind.js, effect-bounce.js, effect-clip.js, effect-drop.js, effect-explode.js,
effect-fade.js, effect-fold.js, effect-highlight.js, effect-puff.js, effect-pulsate.js, effect-scale.js, effect-shake.js, effect-size.js,
effect-slide.js, effect-transfer.js, menu.js,progressbar.js, resizable.js, selectable.js, selectmenu.js, slider.js,
sortable.js, spinner.js, tabs.js, tooltip.js
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Comment VMusage 7614 43068
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FullName Helvetica Narrow Bold Oblique
FamilyName Helvetica
Weight Bold
ItalicAngle -12
IsFixedPitch false
FontBBox -143 -228 913 962
UnderlinePosition -100
UnderlineThickness 50
Version 001.007
Notice Copyright (c) 1985, 1987, 1989, 1990 Adobe Systems Incorporated. All Rights Reserved. Helvetica is a trademark of Linotype AG and/or its subsidiaries.
EncodingScheme AdobeStandardEncoding
CapHeight 718
XHeight 532
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KPX Q comma 20
KPX Q U -10

KPX R Y -50
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KPX R V -50
KPX R U -20
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KPX a w -15
KPX a v -15
KPX a g -10
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KPX b u -20
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CC iggrave 2 ; PCC dotlessi 0 0 ; PCC grave -22 0 ;
CC ntilde 2 ; PCC n 0 0 ; PCC tilde 114 0 ;
CC oacute 2 ; PCC o 0 0 ; PCC acute 114 0 ;
CC ocircumflex 2 ; PCC o 0 0 ; PCC circumflex 114 0 ;
CC odieresis 2 ; PCC o 0 0 ; PCC dieresis 114 0 ;
CC ograve 2 ; PCC o 0 0 ; PCC grave 114 0 ;
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CC scaron 2 ; PCC s 0 0 ; PCC caron 92 0 ;
CC uacute 2 ; PCC u 0 0 ; PCC acute 114 0 ;
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FamilyName Times
Weight Medium
ItalicAngle -15.5
IsFixedPitch false
FontBBox -169 -217 1010 883
UnderlinePosition -100
UnderlineThickness 50
Version 001.007
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EncodingScheme AdobeStandardEncoding
CapHeight 653
XHeight 441
Ascender 683
Descender -205
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KPX A G -35
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KPX B period 0
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KPX B U -10
KPX B A -25

KPX D period 0
KPX D comma 0
KPX D Y -40
KPX D W -40
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KPX D A -35

KPX F r -55
KPX F period -135
KPX F o -105
KPX F i -45
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KPX J u -35
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KPX J e -25
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KPX J A -40

KPX K y -40
KPX K u -40
KPX K o -40
KPX K e -35
KPX K O -50

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KPX L quoteright -37
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Comment Creation Date: Thu Jun 21 22:23:20 1990
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63058
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KPX A W -74
KPX A V -74
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KPX C period -18
KPX C comma -18

KPX D period -25
KPX D comma -25

KPX F r -18
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KPX J period -55
KPX J o -18
KPX J e -18
KPX J comma -55
KPX J a -18
KPX J A -18

KPX K y -25
KPX K u -18

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KPX L Y -74
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KPX L T -100

KPX N period -18
KPX N comma -18
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283  63069
C 82 ; WX 556 ; N Rho ; B 28 0 563 673 ;
C 83 ; WX 592 ; N Sigma ; B 5 0 589 673 ;
C 84 ; WX 611 ; N Tau ; B 33 0 607 673 ;
C 85 ; WX 690 ; N Upsilon ; B -8 0 694 673 ;
C 86 ; WX 439 ; N sigma1 ; B 40 -233 436 500 ;
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C 94 ; WX 658 ; N perpendicular ; B 15 0 652 674 ;
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C 97 ; WX 631 ; N alpha ; B 41 -18 622 500 ;
C 98 ; WX 549 ; N beta ; B 61 -223 515 741 ;
C 99 ; WX 549 ; N chi ; B 12 -231 522 499 ;
C 100 ; WX 494 ; N delta ; B 40 -19 481 740 ;
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C 102 ; WX 521 ; N phi ; B 27 -224 490 671 ;
C 103 ; WX 411 ; N gamma ; B 5 -225 484 499 ;
C 104 ; WX 603 ; N eta ; B 0 -202 527 514 ;
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C 109 ; WX 576 ; N mu ; B 33 -223 567 500 ;
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C 111 ; WX 549 ; N omicron ; B 35 -19 501 499 ;
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The Anti-Grain Geometry Project
A high quality rendering engine for C++
http://antigrain.com
Anti-Grain Geometry - Version 2.4
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283  63083

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KPX Rcaron Omacron -20
KPX Rcaron Oslash -20
KPX Rcaron Otilde -20
KPX Rcaron T -30
KPX Rcaron Tcaron -30
KPX Rcaron Tcommaaccent -30
KPX Rcaron U -40
KPX Rcaron Uacute -40
KPX Rcaron Ucircumflex -40
KPX Rcaron Udieresis -40
KPX Rcaron Ugrave -40
KPX Rcaron Uhungarumlaut -40
KPX Rcaron Umacron -40
KPX Rcaron Uogonek -40
KPX Rcaron Uring -40
KPX Rcaron Y -50
KPX Rcaron Yacute -50
KPX Rcaron Ydieresis -50
KPX Rcaron Ygrave -50
KPX Rcaron Yhungarumlaut -50
KPX Rcaron Ymacron -50
KPX Rcaron Yogonek -50
KPX Rcaron Yring -50
KPX Rcaron V -50
KPX Rcaron W -30
KPX Rcaron Y -50
KPX Rcaron Yacute -50
KPX Rcaron Ydieresis -50
KPX Rcaron Ygrave -50
KPX Rcaron Yhungarumlaut -50
KPX Rcaron Ymacron -50
KPX Rcaron Yogonek -50
KPX Rcaron Yring -50
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63124
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63125
KPX Tcommaaccent odieresis -120
KPX Tcommaaccent ograve -120
KPX Tcommaaccent ohungarumlaut -120
KPX Tcommaaccent omacron -60
KPX Tcommaaccent oslash -120
KPX Tcommaaccent otilde -60
KPX Tcommaaccent period -120
KPX Tcommaaccent r -120
KPX Tcommaaccent racute -120
KPX Tcommaaccent rcaron -120
KPX Tcommaaccent rcommaaccent -120
KPX Tcommaaccent semicolon -20
KPX Tcommaaccent u -120
KPX Tcommaaccent uacute -120
KPX Tcommaaccent uacute u -120
KPX Tcommaaccent ucircumflex -120
KPX Tcommaaccent udieresis -120
KPX Tcommaaccent ugrave -120
KPX Tcommaaccent uhungarumlaut -120
KPX Tcommaaccent umacron -60
KPX Tcommaaccent uogonek -120
KPX Tcommaaccent uing -120
KPX Tcommaaccent w -120
KPX Tcommaaccent y -120
KPX Tcommaaccent yacute -120
KPX U A -40
KPX U Aacute -40
KPX U Abreve -40
KPX U Acircumflex -40
KPX U Adieresis -40
KPX U Agrave -40
KPX U Amacron -40
KPX U Aogonek -40
KPX U Aring -40
KPX U Atilde -40
KPX U comma -40
KPX U period -40
KPX Uacute A -40
KPX Uacute Aacute -40
KPX Uacute Abreve -40
KPX Uacute Acircumflex -40
KPX Uacute Adieresis -40
KPX Uacute Agrave -40
KPX Uacute Aing -40
KPX Uacute Aring -40
KPX Uacute Atilde -40
KPX Uacute comma -40
KPX agrave ydieresis -30
KPX amacron v -20
KPX amacron w -20
KPX amacron y -30
KPX amacron yacute -30
KPX amacron ydieresis -30
KPX aogonek v -20
KPX aogonek w -20
KPX aogonek y -30
KPX aogonek yacute -30
KPX aogonek ydieresis -30
KPX aring v -20
KPX aring w -20
KPX aring y -30
KPX aring yacute -30
KPX aring ydieresis -30
KPX atilde v -20
KPX atilde w -20
KPX atilde y -30
KPX atilde yacute -30
KPX atilde ydieresis -30
KPX b b -10
KPX b comma -40
KPX b l -20
KPX b lacute -20
KPX b lcommaaccent -20
KPX b lslash -20
KPX b u -20
KPX b uacute -20
KPX b ucircumflex -20
KPX b udieresis -20
KPX b ugrave -20
KPX b uhungarumlaut -20
KPX b umacron -20
KPX b uogonek -20
KPX b uring -20
KPX b v -20
KPX b y -20
KPX b yacute -20
KPX b ydieresis -20
KPX c comma -15
KPX c k -20
KPX c kcommaaccent -20
KPX cacute comma -15
KPX cacute k -20
KPX cacute kcommaaccent -20
KPX ccaron comma -15
KPX tilde ydieresis -15
KPX o comma -40
KPX o period -40
KPX o v -15
KPX o w -15
KPX o x -30
KPX o y -30
KPX o yacute -30
KPX o ydieresis -30
KPX oacute comma -40
KPX oacute period -40
KPX oacute v -15
KPX oacute w -15
KPX oacute x -30
KPX oacute y -30
KPX oacute yacute -30
KPX oacute ydieresis -30
KPX ocircumflex comma -40
KPX ocircumflex period -40
KPX ocircumflex v -15
KPX ocircumflex w -15
KPX ocircumflex x -30
KPX ocircumflex y -30
KPX ocircumflex yacute -30
KPX ocircumflex ydieresis -30
KPX odieresis comma -40
KPX odieresis period -40
KPX odieresis v -15
KPX odieresis w -15
KPX odieresis x -30
KPX odieresis y -30
KPX odieresis yacute -30
KPX odieresis ydieresis -30
KPX ograve comma -40
KPX ograve period -40
KPX ograve v -15
KPX ograve w -15
KPX ograve x -30
KPX ograve y -30
KPX ograve yacute -30
KPX ograve ydieresis -30
KPX ohungarumlaut comma -40
KPX ohungarumlaut period -40
KPX ohungarumlaut v -15
KPX ohungarumlaut w -15
KPX ohungarumlaut x -30
KPX ohungarumlaut y -30
KPX ohungarumlaut yacute -30

Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63142
KPX v otilde -25
KPX v period -80
KPX w a -15
KPX w aacute -15
KPX w abreve -15
KPX w acircumflex -15
KPX w adieresis -15
KPX w agrave -15
KPX w amacron -15
KPX w aogonek -15
KPX w aring -15
KPX w atilde -15
KPX w comma -60
KPX w e -10
KPX w eacute -10
KPX w ecaron -10
KPX w ecircumflex -10
KPX w edieresis -10
KPX w edotaccent -10
KPX w egrave -10
KPX w emacron -10
KPX w eogonek -10
KPX w o -10
KPX w oacute -10
KPX w ocaron -10
KPX w ocircumflex -10
KPX w odieresis -10
KPX w ograve -10
KPX w ohungarumlaut -10
KPX w umacron -10
KPX w uslash -10
KPX w otilde -10
KPX w period -60
KPX x e -30
KPX x eacute -30
KPX x ecaron -30
KPX x ecircumflex -30
KPX x edieresis -30
KPX x edotaccent -30
KPX x egrave -30
KPX x emacron -30
KPX x eogonek -30
KPX y a -20
KPX y aacute -20
KPX y abreve -20
KPX y acircumflex -20
KPX y adieresis -20
KPX y agrave -20
KPX y amacron -20
KPX zdotaccent emacron -15
KPX zdotaccent eogonek -15
KPX zdotaccent o -15
KPX zdotaccent oacute -15
KPX zdotaccent ocircumflex -15
KPX zdotaccent odieresis -15
KPX zdotaccent ograve -15
KPX zdotaccent ohungarumlaut -15
KPX zdotaccent omacron -15
KPX zdotaccent oslash -15
KPX zdotaccent otilde -15
EndKernPairs
EndFontMetrics
StartFontMetrics 4.1
Comment Creation Date: Thu May 1 12:45:12 1997
Comment UniqueID 43053
Comment VMusage 14482 68586
FontName Helvetica-BoldOblique
FullName Helvetica Bold Oblique
FamilyName Helvetica
Weight Bold
ItalicAngle -12
IsFixedPitch false
CharacterSet ExtendedRoman
FontBBox -174 -228 1114 962
UnderlinePosition -100
UnderlineThickness 50
Version 002.000
EncodingScheme AdobeStandardEncoding
CapHeight 718
XHeight 532
Ascender 718
Descender -207
StdHW 118
StdVW 140
StartCharMetrics 315
C 32 ; WX 278 ; N space ; B 0 0 0 0 ;
C 33 ; WX 333 ; N exclam ; B 94 0 397 718 ;
C 34 ; WX 474 ; N quotedbl ; B 193 447 529 718 ;
C 35 ; WX 556 ; N numbersign ; B 60 0 644 698 ;
C 36 ; WX 556 ; N dollar ; B 67 -115 622 775 ;
C 37 ; WX 889 ; N percent ; B 136 -19 901 710 ;
C 38 ; WX 722 ; N ampersand ; B 89 -19 732 718 ;
C 39 ; WX 278 ; N quoteright ; B 167 445 362 718 ;
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63158
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63161
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63162
KPX Adieresis Umacron -50
KPX Adieresis Uogonek -50
KPX Adieresis Uring -50
KPX Adieresis V -80
KPX Adieresis W -60
KPX Adieresis Y -110
KPX Adieresis Yacute -110
KPX Adieresis Ydieresis -110
KPX Adieresis u -30
KPX Adieresis uacute -30
KPX Adieresis ucircumflex -30
KPX Adieresis udieresis -30
KPX Adieresis ugrave -30
KPX Adieresis uhungarumlaut -30
KPX Adieresis umacron -30
KPX Adieresis uogonek -30
KPX Adieresis uring -30
KPX Adieresis v -40
KPX Adieresis w -30
KPX Adieresis y -30
KPX Adieresis yacute -30
KPX Adieresis ydieresis -30
KPX Agrave C -40
KPX Agrave Cacute -40
KPX Agrave Ccaron -40
KPX Agrave Ccedilla -40
KPX Agrave G -50
KPX Agrave Gbreve -50
KPX Agrave Gcommaaccent -50
KPX Agrave O -40
KPX Agrave Oacute -40
KPX Agrave Ocircumflex -40
KPX Agrave Odieresis -40
KPX Agrave Ograve -40
KPX Agrave Ohungarumlaut -40
KPX Agrave Omacron -40
KPX Agrave Oslash -40
KPX Agrave Otilde -40
KPX Agrave Q -40
KPX Agrave T -90
KPX Agrave Tcaron -90
KPX Agrave Tcommaaccent -90
KPX Agrave Tcommaaccent -90
KPX Agrave U -50
KPX Agrave Uacute -50
KPX Agrave Ucircumflex -50
KPX Agrave Udieresis -50
KPX Agrave Ugrave -50
KPX Agrave Uhungarumlaut -50

Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63167
KPX Aogonek Umacron -50
KPX Aogonek Uogonek -50
KPX Aogonek Uring -50
KPX Aogonek V -80
KPX Aogonek W -60
KPX Aogonek Y -110
KPX Aogonek Yacute -110
KPX Aogonek Ydieresis -110
KPX Aogonek u -30
KPX Aogonek uacute -30
KPX Aogonek ucircumflex -30
KPX Aogonek udieresis -30
KPX Aogonek ugrave -30
KPX Aogonek uhungarumlaut -30
KPX Aogonek umacron -30
KPX Aogonek uogonek -30
KPX Aogonek uring -30
KPX Aogonek v -40
KPX Aogonek w -30
KPX Aogonek y -30
KPX Aogonek yacute -30
KPX Aogonek ydieresis -30
KPX Aring C -40
KPX Aring Cacute -40
KPX Aring Ccaron -40
KPX Aring Ccedilla -40
KPX Aring G -50
KPX Aring Gbreve -50
KPX Aring Gcommaaccent -50
KPX Aring O -40
KPX Aring Oacute -40
KPX Aring Ocircumflex -40
KPX Aring Odieresis -40
KPX Aring Ograve -40
KPX Aring Ohungarumlaut -40
KPX Aring Omacron -40
KPX Aring Oslash -40
KPX Aring Otilde -40
KPX Aring Q -40
KPX Aring T -90
KPX Aring Tcaron -90
KPX Aring Tcommaaccent -90
KPX Aring U -50
KPX Aring Uacute -50
KPX Aring Ucercumflex -50
KPX Aring Udieresis -50
KPX Aring Ugrave -50
KPX Aring Uhungarumlaut -50
KPX Lcommaaccent Tcaron -90
KPX Lcommaaccent Tcommaaccent -90
KPX Lcommaaccent V -110
KPX Lcommaaccent W -80
KPX Lcommaaccent Y -120
KPX Lcommaaccent Yacute -120
KPX Lcommaaccent Ydieresis -120
KPX Lcommaaccent quotedblright -140
KPX Lcommaaccent quoteright -140
KPX Lcommaaccent y -30
KPX Lcommaaccent yacute -30
KPX Lcommaaccent ydieresis -30
KPX Lslash T -90
KPX Lslash Tcaron -90
KPX Lslash Tcommaaccent -90
KPX Lslash V -110
KPX Lslash W -80
KPX Lslash Y -120
KPX Lslash Yacute -120
KPX Lslash Ydieresis -120
KPX Lslash quotedblright -140
KPX Lslash quoteright -140
KPX Lslash y -30
KPX Lslash yacute -30
KPX Lslash ydieresis -30
KPX O A -50
KPX O Aacute -50
KPX O Abreve -50
KPX O Acircumflex -50
KPX O Adieresis -50
KPX O Agrave -50
KPX O Amacron -50
KPX O Aogonek -50
KPX O Aring -50
KPX O Atilde -50
KPX O T -40
KPX O Tcaron -40
KPX O Tcommaaccent -40
KPX O V -50
KPX O W -50
KPX O X -50
KPX O Y -70
KPX O Yacute -70
KPX O Ydieresis -70
KPX O comma -40
KPX O period -40
KPX Oacute A -50
KPX Oacute Aacute -50
KPX Odieresis Aring -50
KPX Odieresis Atilde -50
KPX Odieresis T -40
KPX Odieresis Tcaron -40
KPX Odieresis Tcommaaccent -40
KPX Odieresis V -50
KPX Odieresis W -50
KPX Odieresis X -50
KPX Odieresis Y -70
KPX Odieresis Yacute -70
KPX Odieresis Ydieresis -70
KPX Odieresis comma -40
KPX Odieresis period -40
KPX Ograve A -50
KPX Ograve Aacute -50
KPX Ograve Abreve -50
KPX Ograve Acircumflex -50
KPX Ograve Adieresis -50
KPX Ograve Agrave -50
KPX Ograve Amacron -50
KPX Ograve Aogonek -50
KPX Ograve Aring -50
KPX Ograve Atilde -50
KPX Ograve T -40
KPX Ograve Tcaron -40
KPX Ograve Tcommaaccent -40
KPX Ograve V -50
KPX Ograve W -50
KPX Ograve X -50
KPX Ograve Y -70
KPX Ograve Yacute -70
KPX Ograve Ydieresis -70
KPX Ograve comma -40
KPX Ograve period -40
KPX Ohungarumlaut A -50
KPX Ohungarumlaut Aacute -50
KPX Ohungarumlaut Abreve -50
KPX Ohungarumlaut Acircumflex -50
KPX Ohungarumlaut Adieresis -50
KPX Ohungarumlaut Agrave -50
KPX Ohungarumlaut Amacron -50
KPX Ohungarumlaut Aogonek -50
KPX Ohungarumlaut Aring -50
KPX Ohungarumlaut Atilde -50
KPX Ohungarumlaut T -40
KPX Ohungarumlaut Tcaron -40
KPX Ohungarumlaut Tcommaaccent -40
KPX Ohungarumlaut V -50
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63187
KPX aring v -15
KPX aring w -15
KPX aring y -20
KPX aring yacute -20
KPX aring ydieresis -20
KPX atilde g -10
KPX atilde gbreve -10
KPX atilde gcommaaccent -10
KPX atilde v -15
KPX atilde w -15
KPX atilde y -20
KPX atilde yacute -20
KPX atilde ydieresis -20
KPX b l -10
KPX b lacute -10
KPX b lcommaaccent -10
KPX b lslash -10
KPX b u -20
KPX b uacute -20
KPX b ucircumflex -20
KPX b udieresis -20
KPX b ugrave -20
KPX b uhungarumlaut -20
KPX b umacron -20
KPX b uogonek -20
KPX b uring -20
KPX b y -20
KPX b yacute -20
KPX b ydieresis -20
KPX c h -10
KPX c k -20
KPX c kcommaaccent -20
KPX c l -20
KPX c lacute -20
KPX c lcommaaccent -20
KPX c lslash -20
KPX c y -10
KPX c yacute -10
KPX c ydieresis -10
KPX cacute h -10
KPX cacute k -20
KPX cacute kcommaaccent -20
KPX cacute l -20
KPX cacute lacute -20
KPX cacute lcommaaccent -20
KPX cacute lslash -20
KPX cacute y -10

Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63199
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63209
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283  63211
 KPX D Y -90
 KPX D W -40
 KPX D V -70
 KPX D A -40

 KPX F r -45
 KPX F period -150
 KPX F o -30
 KPX F e -30
 KPX F comma -150
 KPX F a -50
 KPX F A -80

 KPX J u -20
 KPX J period -30
 KPX J comma -30
 KPX J a -20
 KPX J A -20

 KPX K y -50
 KPX K u -30
 KPX K o -40
 KPX K e -40
 KPX K O -50

 KPX L y -30
 KPX L quoteright -160
 KPX L quotedblright -140
 KPX L Y -140
 KPX L W -70
 KPX L V -110
 KPX L T -110

 KPX O period -40
 KPX O comma -40
 KPX O Y -70
 KPX O X -60
 KPX O W -30
 KPX O V -50
 KPX O T -40
 KPX O A -20

 KPX P period -180
 KPX P o -50
 KPX P e -50
 KPX P comma -180
 KPX P a -40
 KPX P A -120
KPX Q U -10
KPX R Y -50
KPX R W -30
KPX R V -50
KPX R U -40
KPX R T -30
KPX R O -20

KPX S period -20
KPX S comma -20

KPX T y -120
KPX T w -120
KPX T u -120
KPX T semicolon -20
KPX T r -120
KPX T period -120
KPX T o -120
KPX T hyphen -140
KPX T e -120
KPX T comma -120
KPX T colon -20
KPX T a -120
KPX T O -40
KPX T A -120

KPX U period -40
KPX U comma -40
KPX U A -40

KPX V u -70
KPX V semicolon -40
KPX V period -125
KPX V o -80
KPX V hyphen -80
KPX V e -80
KPX V comma -125
KPX V colon -40
KPX V a -70
KPX V O -40
KPX V G -40
KPX V A -80

KPX W y -20
KPX W u -30
KPX W period -80
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AUTHOR

David H. Munro wrote Yorick and Gist. Berkeley Yacc (byacc) generated the Yorick parser. The routines in Math are from LAPACK and FFTPACK; MathC contains C translations by David H. Munro. The algorithms for Yorick’s random number generator and several special functions in Yorick/include were taken from Numerical Recipes by Press, et. al., although the Yorick implementations are unrelated to those in Numerical Recipes. A small amount of code in Gist was adapted from the X11R4 release, copyright M.I.T. -- the complete copyright notice.
may be found in the (unused) file Gist/host.c.
StartFontMetrics 2.0
Comment Creation Date: Tue May 28 16:56:07 1991
Comment UniqueID 35034
Comment VMusage 31030 37922
FontName NewCenturySchlbk-BoldItalic
FullName New Century Schoolbook Bold Italic
FamilyName New Century Schoolbook
Weight Bold
ItalicAngle -16
IsFixedPitch false
FontBBox -205 -250 1147 991
UnderlinePosition -100
UnderlineThickness 50
Version 001.007
EncodingScheme AdobeStandardEncoding
CapHeight 722
XHeight 477
Ascender 737
Descender -205
StartCharMetrics 228
 C 32 ; WX 287 ; N space ; B 0 0 0 0 ;
 C 33 ; WX 333 ; N exclamation ; B 0 -15 333 737 ;
 C 34 ; WX 400 ; N quotedbl ; B 66 388 428 737 ;
 C 35 ; WX 574 ; N numbersign ; B 30 0 544 690 ;
 C 36 ; WX 574 ; N dollar ; B 9 -120 565 810 ;
 C 37 ; WX 889 ; N percent ; B 54 -28 835 727 ;
 C 38 ; WX 889 ; N ampersand ; B 32 -15 823 737 ;
 C 39 ; WX 259 ; N quotesingle ; B 48 388 275 737 ;
 C 40 ; WX 407 ; N parenleft ; B 72 -117 454 745 ;
 C 41 ; WX 407 ; N parenright ; B -70 -117 310 745 ;
 C 42 ; WX 500 ; N asterisk ; B 58 301 498 737 ;
 C 43 ; WX 606 ; N plus ; B 50 0 556 506 ;
 C 44 ; WX 287 ; N comma ; B -57 -192 170 157 ;
 C 45 ; WX 333 ; N hyphen ; B 2 177 263 299 ;
 C 46 ; WX 287 ; N period ; B -20 -15 152 157 ;
 C 47 ; WX 278 ; N slash ; B -41 -15 320 737 ;
 C 48 ; WX 574 ; N zero ; B 21 -15 553 705 ;
 C 49 ; WX 574 ; N one ; B 25 0 489 705 ;
 C 50 ; WX 574 ; N two ; B -38 -3 538 705 ;
 C 51 ; WX 574 ; N three ; B -7 -15 536 705 ;
 C 52 ; WX 574 ; N four ; B -13 0 544 705 ;
 C 53 ; WX 574 ; N five ; B 0 -15 574 705 ;
 C 54 ; WX 574 ; N six ; B 31 -15 574 705 ;
 C 55 ; WX 574 ; N seven ; B 64 -15 593 705 ;
 C 56 ; WX 574 ; N eight ; B 0 -15 552 705 ;
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# Solarized color palette taken from http://ethanschoonover.com/solarized
# Inspired by, and copied from ggthemes https://github.com/jrnold/ggthemes

#TODO:
# 1. Padding to title from face
# 2. Remove top & right ticks
# 3. Give Title a Magenta Color(?)

#base00  = '#657b83'
#base01  = '#93a1a1'
#base2   = '#eee8d5'
#base3   = '#fdf6e3'
#base01  = '#586e75'
#Magenta = '#d33682'
#Blue    = '#268bd2'
# cyan = '#2aa198'
# violet = '#6c71c4'
# green = '#859900'
# orange = '#cb4b16'

figure.facecolor: FDF6E3

patch.antialiased: True

lines.linewidth: 2.0
lines.solid_capstyle: butt

axes.titlesize: 16
axes.labelsize: 12
axes.labelcolor: 657b83
axes.facecolor: eee8d5
axes.edgecolor: eee8d5
axes.axisbelow: True
axes.prop_cycle: cycler('color', ['268BD2', '2AA198', '859900', 'B58900', 'CB4B16', 'DC322F', 'D33682', '6C71C4'])

# Cyan
# Green
# Yellow
# Orange
# Red
# Magenta
# Violet
axes.grid: True
grid.color: fdf6e3 # grid color
grid.linestyle: - # line
grid.linewidth: 1 # in points

### TICKS
xtick.color: 657b83
xtick.direction: out

ytick.color: 657b83
ytick.direction: out

# Set black background default line colors to white.
lines.color: white
patch.edgecolor: white

text.color: white

axes.facecolor: black
axes.edgecolor: white
axes.labelcolor: white
axes.prop_cycle: cycler('color', ['8dd3c7', 'feffb3', 'bfbbd9', 'fa8174', '81b1d2', 'fdb462', 'b3de69', 'bc82bd', 'ccebc4', 'ffed6f'])

xtick.color: white
ytick.color: white

grid.color: white

figure.facecolor: black
figure.edgecolor: black

savefig.facecolor: black
savefig.edgecolor: black

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=========

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StartFontMetrics 2.0
Comment Creation Date: Tue Mar 20 12:15:44 1990
Comment UniqueID 28416
Comment VMusage 30487 37379
FontName Times-Roman
FullName Times Roman
FamilyName Times
Weight Roman
ItalicAngle 0
IsFixedPitch false
FontBBox -168 -218 1000 898
UnderlinePosition -100
UnderlineThickness 50
Version 001.007
Times is a trademark of Linotype AG and/or its subsidiaries.
EncodingScheme AdobeStandardEncoding
CapHeight 662
XHeight 450
Ascender 683
Descender -217
StartCharMetrics 228
C 32 ; WX 250 ; N space ; B 0 0 0 0 ;
C 33 ; WX 333 ; N exclam ; B 130 -9 238 676 ;
C 34 ; WX 408 ; Nquotedbl ; B 77 431 331 676 ;
C 35 ; WX 500 ; N numbersign ; B 5 0 496 662 ;
C 36 ; WX 500 ; N dollar ; B 44 -87 457 727 ;
C 37 ; WX 833 ; N percent ; B 61 -13 772 676 ;
C 38 ; WX 778 ; N ampersand ; B 42 -13 750 676 ;
C 39 ; WX 333 ; N quoteright ; B 79 433 218 676 ;
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63245
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63248
 KP X a y 0
 KP X a w -15
 KP X a v -20
 KP X a t 0
 KP X a p 0
 KP X a g 0
 KP X a b 0

 KP X b y 0
 KP X b v -15
 KP X b u -20
 KP X b period -40
 KP X b 1 0
 KP X b comma 0
 KP X b b 0

 KP X c y -15
 KP X c period 0
 KP X c l 0
 KP X c k 0
 KP X c h 0
 KP X c comma 0

 KP X colon space 0

 KP X comma space 0
 KP X comma quoteright -70
 KP X comma quotedblright -70

 KP X d y 0
 KP X d w 0
 KP X d v 0
 KP X d period 0
 KP X d d 0
 KP X d comma 0

 KP X e y -15
 KP X e x -15
 KP X e w -25
 KP X e v -25
 KP X e period 0
 KP X e p 0
 KP X e g -15
 KP X e comma 0
 KP X e b 0

 KP X f quoteright 55
 KP X f quotedblright 0
KPX space V -50
KPX space T -18
KPX space A -55

KPX v period -65
KPX v o -20
KPX v e -15
KPX v comma -65
KPX v a -25

KPX w period -65
KPX w o -10
KPX w h 0
KPX w e 0
KPX w comma -65
KPX w a -10

KPX x e -15

KPX y period -65
KPX y o 0
KPX y e 0
KPX y comma -65
KPX y a 0

KPX z o 0
KPX z e 0
EndKernPairs
EndKernData
StartComposites 58
CC Acute 2 ; PCC A 0 0 ; PCC acute 195 212 ;
CC Acircumflex 2 ; PCC A 0 0 ; PCC circumflex 195 212 ;
CC Adieresis 2 ; PCC A 0 0 ; PCC dieresis 195 212 ;
CC Agrave 2 ; PCC A 0 0 ; PCC grave 195 212 ;
CC Aring 2 ; PCC A 0 0 ; PCC ring 185 187 ;
CC Atilde 2 ; PCC A 0 0 ; PCC tilde 195 212 ;
CC Ccedilla 2 ; PCC C 0 0 ; PCC cedilla 167 0 ;
CC Eacute 2 ; PCC E 0 0 ; PCC acute 139 212 ;
CC Ecircumflex 2 ; PCC E 0 0 ; PCC circumflex 139 212 ;
CC Edieresis 2 ; PCC E 0 0 ; PCC dieresis 139 212 ;
CC Egrave 2 ; PCC E 0 0 ; PCC grave 139 212 ;
CC Iacute 2 ; PCC I 0 0 ; PCC acute 0 212 ;
CC Icircumflex 2 ; PCC I 0 0 ; PCC circumflex 0 212 ;
CC Idieresis 2 ; PCC I 0 0 ; PCC dieresis 0 212 ;
CC Igrave 2 ; PCC I 0 0 ; PCC grave 0 212 ;
CC Ntilde 2 ; PCC N 0 0 ; PCC tilde 195 212 ;
CC Oacute 2 ; PCC O 0 0 ; PCC acute 195 212 ;
CC Ocircularflex 2 ; PCC O 0 0 ; PCC circumflex 195 212 ;
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63260
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63267
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283  63272
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63281
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63283
KPX Omacron Atilde -40
KPX Omacron T -40
KPX Omacron Tcaron -40
KPX Omacron Tcommaaccent -40
KPX Omacron V -50
KPX Omacron W -50
KPX Omacron X -40
KPX Omacron Y -50
KPX Omacron Yacute -50
KPX Omacron Ydieresis -50
KPX Oslash A -40
KPX Oslash Aacute -40
KPX Oslash Abreve -40
KPX Oslash Acircumflex -40
KPX Oslash Adieresis -40
KPX Oslash Agrave -40
KPX Oslash Aogonek -40
KPX Oslash Aring -40
KPX Oslash Atilde -40
KPX Oslash T -40
KPX Oslash Tcaron -40
KPX Oslash Tcommaaccent -40
KPX Oslash V -50
KPX Oslash W -50
KPX Oslash X -40
KPX Oslash Y -50
KPX Oslash Yacute -50
KPX Oslash Ydieresis -50
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KPX Otilde Aacute -40
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KPX Otilde Atilde -40
KPX Otilde T -40
KPX Otilde Tcaron -40
KPX Otilde Tcommaaccent -40
KPX Otilde V -50
KPX Otilde W -50
KPX Otilde X -40
KPX Otilde Y -50
KPX Otilde Yacute -50
KPX Otilde Ydieresis -50
KPX T emacron -52
KPX T eogonek -92
KPX T hyphen -92
KPX T i -18
KPX T iacute -18
KPX T iogonek -18
KPX T o -92
KPX T oacute -92
KPX T ocircumflex -92
KPX T odieresis -92
KPX T ograve -92
KPX T ohungarumlaut -92
KPX T omacron -92
KPX T oslash -92
KPX T otilde -92
KPX T period -90
KPX T r -74
KPX T racute -74
KPX T rcaron -74
KPX T rcommaaccent -74
KPX T semicolon -74
KPX T u -92
KPX T uacute -92
KPX T ucircumflex -92
KPX T udieresis -92
KPX T ugrave -92
KPX T uhungarumlaut -92
KPX T umacron -92
KPX T uogonek -92
KPX T uring -92
KPX T w -74
KPX T y -34
KPX T yacute -34
KPX T ydieresis -34
KPX Tcaron A -90
KPX Tcaron Aacute -90
KPX Tcaron Abreve -90
KPX Tcaron Acircumflex -90
KPX Tcaron Adieresis -90
KPX Tcaron Agrave -90
KPX Tcaron Amacron -90
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KPX Tcaron Aring -90
KPX Tcaron Atilde -90
KPX Tcaron O -18
KPX Tcaron Oacute -18
KPX Tcaron Odieresis -18
KPX Tcaron udieresis -92
KPX Tcaron ugrave -92
KPX Tcaron uhungarumlaut -92
KPX Tcaron umacron -92
KPX Tcaron uogonek -92
KPX Tcaron uring -92
KPX Tcaron w -74
KPX Tcaron y -34
KPX Tcaron yacute -34
KPX Tcaron ydieresis -34
KPX Tcommaaccent A -90
KPX Tcommaaccent Aacute -90
KPX Tcommaaccent Abreve -90
KPX Tcommaaccent Acircumflex -90
KPX Tcommaaccent Adieresis -90
KPX Tcommaaccent Agrave -90
KPX Tcommaaccent Amacron -90
KPX Tcommaaccent Aogonek -90
KPX Tcommaaccent Aring -90
KPX Tcommaaccent Atilde -90
KPX Tcommaaccent O -18
KPX Tcommaaccent Oacute -18
KPX Tcommaaccent Ocircumflex -18
KPX Tcommaaccent Odieresis -18
KPX Tcommaaccent Ograve -18
KPX Tcommaaccent Ohungarumlaut -18
KPX Tcommaaccent Omacron -18
KPX Tcommaaccent Oslash -18
KPX Tcommaaccent Otilde -18
KPX Tcommaaccent a -92
KPX Tcommaaccent aacute -92
KPX Tcommaaccent abreve -52
KPX Tcommaaccent acircumflex -52
KPX Tcommaaccent adieresis -52
KPX Tcommaaccent agrave -52
KPX Tcommaaccent amacron -52
KPX Tcommaaccent aogonek -92
KPX Tcommaaccent aring -92
KPX Tcommaaccent atilde -52
KPX Tcommaaccent colon -74
KPX Tcommaaccent comma -74
KPX Tcommaaccent e -92
KPX Tcommaaccent eacute -92
KPX Tcommaaccent egrave -92
KPX Tcommaaccent ecaron -92
KPX Tcommaaccent ecircumflex -92
KPX Tcommaaccent edieresis -52
KPX Tcommaaccent edotaccent -92
KPX Tcommaaccent egrave -52
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63293
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63304
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63306
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63308
KPX yacute ecircumflex -10
KPX yacute edieresis -10
KPX yacute edotaccent -10
KPX yacute egrave -10
KPX yacute emacron -10
KPX yacute eogonek -10
KPX yacute o -25
KPX yacute oacute -25
KPX yacute ocircumflex -25
KPX yacute odieresis -25
KPX yacute ograve -25
KPX yacute ohungarumlaut -25
KPX yacute omacron -25
KPX yacute oslash -25
KPX yacute otilde -25
KPX yacute period -70
KPX ydieresis comma -55
KPX ydieresis e -10
KPX ydieresis eacute -10
KPX ydieresis ecaron -10
KPX ydieresis ecircumflex -10
KPX ydieresis edieresis -10
KPX ydieresis edotaccent -10
KPX ydieresis egrave -10
KPX ydieresis emacron -10
KPX ydieresis eogonek -10
KPX ydieresis o -25
KPX ydieresis oacute -25
KPX ydieresis ocircumflex -25
KPX ydieresis odieresis -25
KPX ydieresis ograve -25
KPX ydieresis ohungarumlaut -25
KPX ydieresis omacron -25
KPX ydieresis oslash -25
KPX ydieresis otilde -25
KPX ydieresis period -70
KPX A y -40
KPX A w -40
KPX A v -40
KPX A u -30
KPX A Y -100
KPX A W -50
KPX A V -70
KPX A U -50
KPX A T -120
KPX A Q -30
KPX A O -30
KPX A G -30
KPX A C -30

KPX B period -20
KPX B comma -20
KPX B U -10

KPX C period -30
KPX C comma -30

KPX D period -70
KPX D comma -70
KPX D Y -90
KPX D W -40
KPX D V -70
KPX D A -40

KPX F r -45
KPX F period -150
KPX F o -30
KPX F e -30
KPX F comma -150
KPX F a -50
KPX F A -80

KPX J u -20
KPX J period -30
KPX J comma -30
KPX J a -20
KPX J A -20
KPX w comma -60
KPX w a -15

KPX x e -30

KPX y period -100
KPX y o -20
KPX y e -20
KPX y comma -100
KPX y a -20

KPX z o -15
KPX z e -15

EndKernPairs

EndKernData

StartComposites 58

CC Aacute 2 ; PCC A 0 0 ; PCC acute 171 195 ;
CC Acircumflex 2 ; PCC A 0 0 ; PCC circumflex 171 195 ;
CC Adieresis 2 ; PCC A 0 0 ; PCC dieresis 171 195 ;
CC Agrave 2 ; PCC A 0 0 ; PCC grave 171 195 ;
CC Aring 2 ; PCC A 0 0 ; PCC ring 167 175 ;
CC Atilde 2 ; PCC A 0 0 ; PCC tilde 171 195 ;
CC Ccedilla 2 ; PCC C 0 0 ; PCC cedilla 160 0 ;
CC Eacute 2 ; PCC E 0 0 ; PCC acute 171 195 ;
CC Ecircumflex 2 ; PCC E 0 0 ; PCC circumflex 171 195 ;
CC Edieresis 2 ; PCC E 0 0 ; PCC dieresis 171 195 ;
CC Egrave 2 ; PCC E 0 0 ; PCC grave 171 195 ;
CC Iacute 2 ; PCC I 0 0 ; PCC acute 12 195 ;
CC Idieresis 2 ; PCC I 0 0 ; PCC dieresis 12 195 ;
CC Igrave 2 ; PCC I 0 0 ; PCC grave 12 195 ;
CC Ntilde 2 ; PCC N 0 0 ; PCC tilde 202 195 ;
CC Oacute 2 ; PCC O 0 0 ; PCC acute 217 195 ;
CC Ocircumflex 2 ; PCC O 0 0 ; PCC circumflex 217 195 ;
CC Odieresis 2 ; PCC O 0 0 ; PCC dieresis 217 195 ;
CC Ograve 2 ; PCC O 0 0 ; PCC grave 217 195 ;
CC Otilde 2 ; PCC O 0 0 ; PCC tilde 217 195 ;
CC Scaron 2 ; PCC S 0 0 ; PCC caron 171 195 ;
CC Uacute 2 ; PCC U 0 0 ; PCC acute 194 195 ;
CC Ucircumflex 2 ; PCC U 0 0 ; PCC circumflex 194 195 ;
CC Udieresis 2 ; PCC U 0 0 ; PCC dieresis 194 195 ;
CC Ugrave 2 ; PCC U 0 0 ; PCC grave 194 195 ;
CC Yacute 2 ; PCC Y 0 0 ; PCC acute 171 195 ;
CC Ydieresis 2 ; PCC Y 0 0 ; PCC dieresis 171 195 ;
CC Zcaron 2 ; PCC Z 0 0 ; PCC caron 148 195 ;
CC aacute 2 ; PCC a 0 0 ; PCC acute 92 0 ;
CC acircumflex 2 ; PCC a 0 0 ; PCC circumflex 92 0 ;
CC adieresis 2 ; PCC a 0 0 ; PCC dieresis 92 0 ;
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63326
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63330
C 117 ; WX 629 ; N u ; B 23 -12 620 502 ;
C 118 ; WX 520 ; N v ; B -8 0 546 490 ;
C 119 ; WX 774 ; N w ; B -10 0 802 490 ;
C 120 ; WX 522 ; N x ; B -15 0 291 692 ;
C 121 ; WX 524 ; N y ; B -12 -242 557 490 ;
C 122 ; WX 483 ; N z ; B -1 0 480 490 ;
C 123 ; WX 365 ; N braceleft ; B 74 -128 325 692 ;
C 124 ; WX 284 ; N bar ; B 94 -250 190 750 ;
C 125 ; WX 365 ; N bracketright ; B 40 -128 291 692 ;
C 126 ; WX 600 ; N asciitilde ; B 50 158 551 339 ;
C 127 ; WX 278 ; N exclamdown ; B 47 -217 231 502 ;
C 128 ; WX 560 ; N cent ; B 39 -15 546 678 ;
C 129 ; WX 560 ; N sterling ; B 21 0 555 679 ;
C 130 ; WX 100 ; N fraction ; B -155 -27 255 695 ;
C 131 ; WX 560 ; N yen ; B 80 0 562 668 ;
C 132 ; WX 560 ; N florin ; B -40 -135 562 691 ;
C 133 ; WX 566 ; N section ; B 35 -115 531 707 ;
C 134 ; WX 560 ; N currency ; B 21 73 539 596 ;
C 135 ; WX 252 ; N quotingbase ; B 57 407 196 707 ;
C 136 ; WX 473 ; N quotedblleft ; B 40 399 433 719 ;
C 137 ; WX 487 ; N guillemotleft ; B 40 37 452 707 ;
C 138 ; WX 287 ; N guiltingsingle ; B 40 37 247 464 ;
C 139 ; WX 639 ; N fi ; B 27 0 630 742 ;
C 140 ; WX 639 ; N fl ; B 27 0 630 742 ;
C 141 ; WX 500 ; N endash ; B 0 209 500 292 ;
C 142 ; WX 510 ; N dagger ; B 35 -125 475 707 ;
C 143 ; WX 486 ; N daggerdbl ; B 35 -119 451 707 ;
C 144 ; WX 280 ; N periodcentered ; B 48 156 232 342 ;
C 145 ; WX 552 ; N paragraph ; B 35 -101 527 692 ;
C 146 ; WX 455 ; N bullet ; B 50 174 405 529 ;
C 147 ; WX 252 ; N quotingblbase ; B 40 -153 212 167 ;
C 148 ; WX 473 ; N quotedblbase ; B 40 -153 433 167 ;
C 149 ; WX 473 ; N quotedblright ; B 40 387 433 707 ;
C 150 ; WX 487 ; N guillemotright ; B 35 37 247 464 ;
C 151 ; WX 1000 ; N ellipsis ; B 75 -12 925 174 ;
C 152 ; WX 1289 ; N perthousand ; B 40 -31 1249 701 ;
C 153 ; WX 456 ; N questiondown ; B 23 -217 436 502 ;
C 154 ; WX 430 ; N grave ; B 40 511 312 740 ;
C 155 ; WX 430 ; N acute ; B 119 511 391 740 ;
C 156 ; WX 430 ; N breve ; B 28 520 402 747 ;
C 157 ; WX 430 ; N circumflex ; B 2 553 427 706 ;
C 158 ; WX 430 ; N macron ; B 60 587 371 674 ;
C 159 ; WX 430 ; N dieresis ; B 16 561 414 710 ;
C 160 ; WX 430 ; N tilde ; B 2 553 427 706 ;
C 161 ; WX 430 ; N dotaccent ; B 136 561 294 710 ;
C 162 ; WX 430 ; N ring ; B 96 540 334 762 ;
C 163 ; WX 430 ; N cedilla ; B 136 -246 335 0 ;
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StartKernData
StartKernPairs 685

KPX A z 25
KPX A y -40
KPX A w -42
KPX A v -48
KPX A u -18
KPX A t -12
KPX A s 6
KPX A quoterright -110
KPX A quotedblright -80
KPX A q -6
KPX A p -18
KPX A o -12
KPX A e -6
KPX A d -12
KPX A c -12
KPX A b -12
KPX A a -6
KPX A Y -64
KPX A X -18
KPX A W -54
KPX A V -70
KPX A U -40
KPX A T -58
KPX A Q -18
KPX A O -18
KPX A G -18
KPX A C -18

KPX B y -18
KPX B u -18
KPX B r -12
KPX B o -6
KPX B l -15
KPX B k -15
KPX B i -12
KPX B h -15
KPX B e -6
KPX B b -10
KPX B a -12
KPX B W -20
KPX B V -20
KPX B U -25
KPX B T -20

KPX C z -5
KPX E V -6
KPX F y -18
KPX F u -12
KPX F r -36
KPX F quoteright 20
KPX F quotedblright 20
KPX F period -150
KPX F o -36
KPX F i -12
KPX F i -22
KPX F e -36
KPX F comma -150
KPX F a -48
KPX F A -60

KPX G y -12
KPX G u -12
KPX G r -18
KPX G quotedblright -20
KPX G n -18
KPX G l -6
KPX G i -12
KPX G h -12
KPX G a -12

KPX H y -24
KPX H u -26
KPX H o -30
KPX H i -18
KPX H e -30
KPX H a -25

KPX I z -6
KPX I y -6
KPX I x -6
KPX I w -18
KPX I v -24
KPX I u -26
KPX I t -24
KPX I s -18
KPX I r -12
KPX I p -26
KPX I o -30
KPX I n -18
KPX I m -18
KPX I l -6
KPX I k -6
KPX L G -12
KPX L C -12
KPX L A 30

KPX M y -24
KPX M u -36
KPX M o -30
KPX M n -6
KPX M j -12
KPX M i -12
KPX M e -30
KPX M d -30
KPX M c -30
KPX M a -25

KPX N y -24
KPX N u -30
KPX N o -30
KPX N i -24
KPX N e -30
KPX N a -30

KPX O z -6
KPX O u -6
KPX O t -6
KPX O s -6
KPX O r -10
KPX O q -6
KPX O period -40
KPX O p -10
KPX O o -6
KPX O n -10
KPX O m -10
KPX O l -15
KPX O k -15
KPX O i -6
KPX O h -15
KPX O g -6
KPX O e -6
KPX O d -6
KPX O comma -40
KPX O c -6
KPX O b -15
KPX O a -12
KPX O Y -50
KPX O X -40
KPX O W -35
KPX O V -35
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Version 1.1

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# Seaborn colorblind palette
axes.prop_cycle: cycler('color', ['0072B2', '009E73', 'D55E00', 'CC79A7', 'F0E442', '56B4E9'])
patch.facecolor: 0072B2
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Comment Creation Date: Mon Jul 2 22:14:17 1990
Comment UniqueID 31790
Comment VMusage 36445 47337
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FullName Palatino Roman
FamilyName Palatino
Weight Roman
ItalicAngle 0
IsFixedPitch false
FontBBox -166 -283 1021 927
UnderlinePosition -100
UnderlineThickness 50
Version 001.005
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EncodingScheme AdobeStandardEncoding
CapHeight 692
XHeight 469
Ascender 726
Descender -281
StartCharMetrics 228
C 32 ; WX 250 ; N space ; B 0 0 0 0 ;
C 33 ; WX 278 ; N exclam ; B 81 -5 197 694 ;
C 34 ; WX 371 ; Nquotedbl ; B 52 469 319 709 ;
C 35 ; WX 500 ; N numbersign ; B 4 0 495 684 ;
C 36 ; WX 500 ; N dollar ; B 30 -116 471 731 ;
C 37 ; WX 840 ; N percent ; B 39 -20 802 709 ;
C 38 ; WX 778 ; N ampersand ; B 43 -20 753 689 ;
C 39 ; WX 278 ; N at ; B 45 446 233 709 ;
C 40 ; WX 333 ; N parenleft ; B 60 -215 301 726 ;
C 41 ; WX 333 ; N parenright ; B 32 -215 273 726 ;
C 42 ; WX 389 ; N asterisk ; B 32 342 233 709 ;
C 43 ; WX 606 ; N plus ; B 51 7 555 512 ;
C 44 ; WX 250 ; N comma ; B 16 -155 218 123 ;
C 45 ; WX 333 ; N hyphen ; B 17 215 312 287 ;
C 46 ; WX 250 ; N period ; B 67 -5 183 111 ;
C 47 ; WX 606 ; N slash ; B 87 -119 519 726 ;
C 48 ; WX 500 ; N percent ; B 39 -20 802 709 ;
C 49 ; WX 500 ; N one ; B 60 -3 418 694 ;
C 50 ; WX 500 ; N two ; B 16 -3 468 689 ;
C 51 ; WX 500 ; N three ; B 15 -20 462 689 ;
C 52 ; WX 500 ; N four ; B 2 -3 472 694 ;
C 53 ; WX 500 ; N five ; B 13 -20 459 689 ;
C 54 ; WX 500 ; N six ; B 32 -20 468 689 ;
C 55 ; WX 500 ; N seven ; B 44 -3 497 689 ;
C 56 ; WX 500 ; N eight ; B 30 -20 464 689 ;
C 57 ; WX 500 ; N nine ; B 20 -20 457 689 ;
C 58 ; WX 250 ; N colon ; B 66 -5 182 456 ;
C 59 ; WX 250 ; N semicolon ; B 16 -153 218 456 ;
C 60 ; WX 606 ; N less ; B 57 0 558 522 ;
C 61 ; WX 606 ; N equal ; B 51 136 555 386 ;
C 62 ; WX 606 ; N greater ; B 48 0 549 522 ;
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C 64 ; WX 747 ; N at ; B 24 -20 724 694 ;
C 65 ; WX 778 ; N A ; B 15 -3 756 700 ;
C 66 ; WX 611 ; N B ; B 26 -3 576 692 ;
C 67 ; WX 709 ; N C ; B 22 -20 670 709 ;
C 68 ; WX 774 ; N D ; B 22 -3 751 692 ;
C 69 ; WX 611 ; N E ; B 22 -3 572 692 ;
C 70 ; WX 556 ; N F ; B 22 -3 536 692 ;
C 71 ; WX 763 ; N G ; B 22 -20 728 709 ;
C 72 ; WX 832 ; N H ; B 22 -3 810 692 ;
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C 75 ; WX 726 ; N K ; B 22 -3 719 692 ;
C 76 ; WX 611 ; N L ; B 22 -3 586 692 ;
C 77 ; WX 946 ; N M ; B 16 -13 926 692 ;
Open Source Used In DNAC Frost Platform Maglev 1.7.0
# Seaborn common parameters
# .15 = dark_gray
# .8 = light_gray
figure.facecolor: white
text.color: .15
axes.labelcolor: .15
legend.frameon: False
legend.numpoints: 1
legend.scatterpoints: 1
xtick.direction: out
ytick.direction: out
xtick.color: .15
ytick.color: .15
axes.axisbelow: True
image.cmap: Greys
font.family: sans-serif
font.sans-serif: Arial, Liberation Sans, DejaVu Sans, Bitstream Vera Sans, sans-serif
grid.linestyle: -
lines.solid_capstyle: round

# Seaborn white parameters
axes.grid: False
axes.facecolor: white
axes.edgecolor: .15
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grid.color: .8
xtick.major.size: 6
xtick.major.size: 6
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2!$"
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# Seaborn talk context
figure.figsize: 10.4, 7.15
axes.labelsize: 14.3
axes.titlesize: 15.6
xtick.labelsize: 13
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legend.fontsize: 13
grid.linewidth: 1.3
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# Seaborn common parameters
#.15 = dark_gray
#.8 = light_gray
figure.facecolor: white
text.color: .15
axes.labelcolor: .15
legend.frameon: False
legend.numpoints: 1
legend.scatterpoints: 1
xtick.direction: out
ytick.direction: out
xtick.color: .15
ytick.color: .15
axes.axisbelow: True
image.cmap: Greys
font.family: sans-serif
font.sans-serif: Arial, Liberation Sans, DejaVu Sans, Bitstream Vera Sans, sans-serif
grid.linestyle: -
lines.solid_capstyle: round

# Seaborn white parameters
axes.grid: False
axes.facecolor: white
axes.edgecolor: .15
axes.linewidth: 1.25
grid.color: .8
xtick.major.size: 0
ytick.major.size: 0
xtick.minor.size: 0
ytick.minor.size: 0
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$Id: LICENSE 2133 2007-11-28 02:46:28Z lechimp $
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KPX period quoteright -100
KPX period space -60
KPX quotedblright space -40
KPX quotefr quoteleft -57
KPX quoteright d -50
KPX quoteright dacute -50
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KPX quoteright r -50
KPX quoteright racute -50
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63500
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63507
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CC ecircumflex 2 ; PCC e 0 0 ; PCC circumflex 0 0 ;
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CC egrave 2 ; PCC e 0 0 ; PCC grave 0 0 ;
CC gcaron 2 ; PCC g 0 0 ; PCC caron -30 0 ;
CC iaacute 2 ; PCC dotlessi 0 0 ; PCC acute 0 0 ;
CC icircumflex 2 ; PCC dotlessi 0 0 ; PCC circumflex -30 0 ;
CC idieresis 2 ; PCC dotlessi 0 0 ; PCC dieresis -30 0 ;
CC igrave 2 ; PCC dotlessi 0 0 ; PCC grave -30 0 ;
CC ntilde 2 ; PCC n 0 0 ; PCC tilde 0 0 ;
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CC odieresis 2 ; PCC o 0 0 ; PCC dieresis 0 0 ;
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CC uacute 2 ; PCC u 0 0 ; PCC acute -10 0 ;
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EndComposites
EndFontMetrics

# Set all colors to grayscale
# Note: strings of float values are interpreted by matplotlib as gray values.

lines.color: black
patch.facecolor: gray
patch.edgecolor: black

text.color: black

axes.facecolor: white
axes.edgecolor: black
axes.labelcolor: black
# black to light gray
axes.prop_cycle: cycler('color', ['0.00', '0.40', '0.60', '0.70'])

xtick.color: black
ytick.color: black

grid.color: black

figure.facecolor: 0.75
figure.edgecolor: white
Comment The following are bogus kern pairs for TeX positioning of accents
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KPX Gamma comma -111.111
KPX Gamma period -111.111
KPX Gamma tie 83.333
KPX Delta tie 166.667
KPX Theta tie 83.333
KPX Lambda tie 166.667
KPX Xi tie 83.333
KPX Pi slash -55.556
KPX Pi comma -55.556
KPX Pi period -55.556
KPX Pi tie 55.556
KPX Sigma tie 83.333
KPX Upsilon slash -55.556
KPX Upsilon comma -111.111
KPX Upsilon period -111.111
KPX Upsilon tie 55.556
KPX Phi tie 83.333
KPX Psi slash -55.556
KPX Psi comma -55.556
KPX Psi period -55.556
KPX Psi tie 55.556
KPX Omega tie 83.333
KPX alpha tie 27.778
KPX beta tie 83.333
KPX delta comma -55.556
KPX delta period -55.556
KPX delta tie 55.556
KPX epsilon1 tie 55.556
KPX zeta tie 83.333
KPX eta tie 55.556
KPX theta tie 83.333
KPX iota tie 55.556
KPX mu tie 27.778
KPX nu comma -55.556
KPX nu period -55.556
KPX xi tie 111.111
KPX rho tie 83.333
KPX sigma comma -55.556
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KPX tau comma -55.556
KPX tau period -55.556
KPX upsilon tie 27.778
KPX phi tie 83.333
KPX chi tie 55.556
KPX psi tie 111.111
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KPX sigma1 tie 83.333
KPX phi1 tie 83.333
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KPX slash A -55.556
KPX slash M -55.556
KPX slash N -55.556
KPX slash Y 55.556
KPX slash Z -55.556
KPX partialdiff tie 83.333
KPX A tie 138.889
KPX B tie 83.333
KPX C slash -27.778
KPX C comma -55.556
KPX C period -55.556
KPX C tie 83.333
KPX D tie 55.556
KPX E tie 83.333
KPX F slash -55.556
KPX F comma -111.111
KPX F period -111.111
KPX F tie 83.333
KPX G tie 83.333
KPX H slash -55.556
KPX H comma -55.556
KPX H period -55.556
KPX H tie 55.556
KPX I tie 111.111
# Seaborn pastel palette

axes.prop_cycle: cycler('color', ['92C6FF', '97F0AA', 'FF9F9A', 'D0BBFF', 'FFFEA3', 'B0E0E6'])

patch.facecolor: 92C6FF
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Street, Forest Hills, NY 11375, USA - Phone: (718) 575-1816.
StartFontMetrics 2.0
Comment Copyright (c) 1989, 1991 Adobe Systems Incorporated. All Rights Reserved.
Comment Creation Date: Fri Jan 17 13:15:45 1992
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Comment VMusage 34143 41035
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FullName Utopia Italic
FamilyName Utopia
Weight Regular
ItalicAngle -13
IsFixedPitch false
FontBBox -201 -250 1170 890
UnderlinePosition -100
UnderlineThickness 50
Version 001.002
Notice Copyright (c) 1989, 1991 Adobe Systems Incorporated. All Rights Reserved.Utopia is a registered
trademark of Adobe Systems Incorporated.
EncodingScheme AdobeStandardEncoding
CapHeight 692
XHeight 502
Ascender 742
Descender -242
StartCharMetrics 228
C 32 ; WX 225 ; N space ; B 0 0 0 0 ;
C 33 ; WX 240 ; N exclam ; B 34 -12 290 707 ;
C 34 ; WX 402 ; N quotedbl ; B 171 469 454 742 ;
C 35 ; WX 530 ; N numbersign ; B 54 0 585 668 ;
C 36 ; WX 530 ; N dollar ; B 31 -109 551 743 ;
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EndKernData
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Comment UniqueID 5000820
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EncodingScheme FontSpecific
 FullName CMSY10
FamilyName Computer Modern
Weight Medium
ItalicAngle -14.035
IsFixedPitch false
Version 1.00
Notice Copyright (c) 1997 American Mathematical Society. All Rights Reserved.
Comment Computer Modern fonts were designed by Donald E. Knuth
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XHeight 430.556
Ascender 694.444
Descender -960
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KPX D prime 83.333
KPX E prime 111.111
Module creating PyQt4 form dialogs/layouts to edit various type of parameters

formlayout License Agreement (MIT License)
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```python
# a small set of changes that will make your plotting FAST (1).
#
# (1) in some cases

# Maximally simplify lines.
path.simplify: True
path.simplify_threshold: 1.0

# chunk up large lines into smaller lines!
# simple trick to avoid those pesky O(n) algorithms!
agg.path.chunksize: 10000
### Classic matplotlib plotting style as of v1.5

### LINES
# See http://matplotlib.org/api/artist_api.html#module-matplotlib.lines for more
# information on line properties.
lines.linewidth   : 1.0     # line width in points
lines.linestyle   : -       # solid line
lines.color       : b       # has no affect on plot(); see axes.prop_cycle
lines.marker      : None    # the default marker
lines.markeredgewidth  : 0.5     # the line width around the marker symbol
lines.markersize  : 6            # markersize, in points
lines.dash_joinstyle : round     # miter|round|bevel
lines.dash_capstyle : butt       # butt|round|projecting
lines.solid_joinstyle : round     # miter|round|bevel
lines.solid_capstyle : projecting # butt|round|projecting
lines.antialiased : True         # render lines in antialiased (no jaggies)
lines.dashed_pattern : 6, 6      
lines.dashdot_pattern : 3, 5, 1, 5
lines.dotted_pattern : 1, 3
```
### Marker props
markers.fillstyle: full

### PATCHES
# Patches are graphical objects that fill 2D space, like polygons or circles. See
# http://matplotlib.org/api/artist_api.html#module-matplotlib.patches
# information on patch properties
patch.linewidth : 1.0  # edge width in points
patch.facecolor  : b
patch.force_edgecolor : True
patch.edgecolor : k
patch.antialiased : True  # render patches in antialiased (no jaggies)

hatch.color : k
hatch.linewidth : 1.0

hist.bins : 10

### FONT
#
# font properties used by text.Text. See
# http://matplotlib.org/api/font_manager_api.html for more
# information on font properties. The 6 font properties used for font
# matching are given below with their default values.
#
# The font.family property has five values: 'serif' (e.g., Times),
# 'sans-serif' (e.g., Helvetica), 'cursive' (e.g., Zapf-Chancery),
# 'fantasy' (e.g., Western), and 'monospace' (e.g., Courier). Each of
# these font families has a default list of font names in decreasing
# order of priority associated with them. When text.usetex is False,
# font.family may also be one or more concrete font names.
#
# The font.style property has three values: normal (or roman), italic
# or oblique. The oblique style will be used for italic, if it is not
# present.
#
# The font.variant property has two values: normal or small-caps. For
# TrueType fonts, which are scalable fonts, small-caps is equivalent
# to using a font size of ’smaller’, or about 83% of the current font
# size.
#
# The font.weight property has effectively 13 values: normal, bold,
# bolder, lighter, 100, 200, 300, ..., 900. Normal is the same as
# 400, and bold is 700. bolder and lighter are relative values with
# respect to the current weight.
# The font.stretch property has 11 values: ultra-condensed, extra-condensed, condensed, semi-condensed, normal, semi-expanded, expanded, extra-expanded, ultra-expanded, wider, and narrower. This property is not currently implemented.

# The font.size property is the default font size for text, given in pts. 12pt is the standard value.

font.family : sans-serif
font.style : normal
font.variant : normal
font.weight : normal
font.stretch : normal

# note that font.size controls default text sizes. To configure special text sizes tick labels, axes, labels, title, etc, see the rc settings for axes and ticks. Special text sizes can be defined relative to font.size, using the following values: xx-small, x-small, small, medium, large, x-large, xx-large, larger, or smaller
font.size : 12.0
font.sans-serif : DejaVu Sans, Lucida Grande, Verdana, Geneva, Lucid, Arial, Helvetica, Avant Garde, sans-serif
font.cursive : Apple Chancery, Textile, Zapf Chancery, Sand, Script MT, Felipa, cursive
font.fantasy : Comic Sans MS, Chicago, Charcoal, ImpactWestern, Humor Sans, fantasy
font.monospace : DejaVu Sans Mono, Andale Mono, Nimbus Mono L, Courier New, Courier, Fixed, Terminal, monospace

### TEXT
# text properties used by text.Text. See http://matplotlib.org/api/artist_api.html#module-matplotlib.text for more information on text properties

text.color : k

### LaTeX customizations. See http://www.scipy.org/Wiki/Cookbook/Matplotlib/UsingTex
text.usetex : False # use latex for all text handling. The following fonts are supported through the usual rc parameter settings:
# new century schoolbook, bookman, times, palatino,
# zapf chancery, charter, serif, sans-serif, helvetica,
# avant garde, courier, monospace, computer modern roman,
# computer modern sans serif, computer modern typewriter
# If another font is desired which can loaded using the LaTex\usepackage command, please inquire at the matplotlib mailing list
text.latex.unicode : False # use "ucs" and "inputenc" LaTex packages for handling unicode strings.
text.latex.preamble : # IMPROPER USE OF THIS FEATURE WILL LEAD TO LATEX FAILURES
# AND IS THEREFORE UNSUPPORTED. PLEASE DO NOT ASK FOR HELP
# IF THIS FEATURE DOES NOT DO WHAT YOU EXPECT IT TO.
# preamble is a comma separated list of LaTeX statements
# that are included in the LaTeX document preamble.
# An example:
# text.latex.preamble : \usepackage{bm},\usepackage{euler}
# The following packages are always loaded with usetex, so
# beware of package collisions: color, geometry, graphicx,
# type1cm, textcomp. Adobe Postscript (PSSNFS) font packages
# may also be loaded, depending on your font settings

text.latex.preview : False

text.hinting : auto   # May be one of the following:
# 'none': Perform no hinting
# 'auto': Use freetype's autohinter
# 'native': Use the hinting information in the
# font file, if available, and if your
# freetype library supports it
# 'either': Use the native hinting information,
# or the autohinter if none is available.
# For backward compatibility, this value may also be
# True === 'auto' or False === 'none'.
text.hinting_factor : 8   # Specifies the amount of softness for hinting in the
# horizontal direction. A value of 1 will hint to full
# pixels. A value of 2 will hint to half pixels etc.

text.antialiased : True   # If True (default), the text will be antialiased.
# This only affects the Agg backend.

# The following settings allow you to select the fonts in math mode.
# They map from a TeX font name to a fontconfig font pattern.
# These settings are only used if mathtext.fontset is 'custom'.
# Note that this "custom" mode is unsupported and may go away in the
# future.
mathtext.cal : cursive
mathtext.rm : serif
mathtext.tt : monospace
mathtext.it : serif:italic
mathtext.bf : serif:bold
mathtext.sf : sans\-serif
mathtext.fontset : cm  # Should be 'cm' (Computer Modern), 'stix',
# 'stixsans' or 'custom'
mathtext.fallback_to_cm : True   # When True, use symbols from the Computer Modern
# fonts when a symbol can not be found in one of
# the custom math fonts.

mathtext.default : it  # The default font to use for math.
# Can be any of the LaTeX font names, including
### AXES
# default face and edge color, default tick sizes,
# default fontsize for ticklabels, and so on. See
# http://matplotlib.org/api/axes_api.html#module-matplotlib.axes
axes.facecolor : w  # axes background color
axes.edgecolor : k  # axes edge color
axes.linewidth : 1.0  # edge linewidth
axes.grid : False  # display grid or not
axes.grid.which : major
axes.grid.axis : both
axes.titlesize : large  # fontsize of the axes title
axes.titlepad : 5.0  # pad between axes and title in points
axes.titleweight : normal  # font weight for axes title
axes.labelsize : medium  # fontsize of the x and y labels
axes.labelpad : 5.0  # space between label and axis
axes.labelweight : normal  # weight of the x and y labels
axes.labelcolor : k
axes.axisbelow : False  # whether axis gridlines and ticks are below
# the axes elements (lines, text, etc)

axes.formatter.limits : -7, 7  # use scientific notation if log10
# of the axis range is smaller than the
# first or larger than the second
axes.formatter.use_locale : False  # When True, format tick labels
# according to the user's locale.
# For example, use ',' as a decimal
# separator in the fr_FR locale.
axes.formatter.use_mathtext : False  # When True, use mathtext for scientific
# notation.
axes.formatter.useoffset : True  # If True, the tick label formatter
# will default to labeling ticks relative
# to an offset when the data range is very
# small compared to the minimum absolute
# value of the data.
axes.formatter.offset_threshold : 2  # When useoffset is True, the offset
# will be used when it can remove
# at least this number of significant
# digits from tick labels.

axes.unicode_minus : True  # use unicode for the minus symbol
# rather than hyphen. See
# http://en.wikipedia.org/wiki/Plus_and_minus_signs#Character_codes
axes.prop_cycle : cycler('color', 'bgrcmyk')
# color cycle for plot lines
# as list of string colorspecs:
# single letter, long name, or
# web-style hex
axes.autolimit_mode : round_numbers
axes.xmargin        : 0  # x margin. See `axes.Axes.margins`
axes.ymargin        : 0  # y margin. See `axes.Axes.margins`
axes.spines.bottom  : True
axes.spines.left    : True
axes.spines.right   : True
axes.spines.top     : True
polaraxes.grid      : True  # display grid on polar axes
axes3d.grid         : True  # display grid on 3d axes

date.autoformatter.year : %Y
date.autoformatter.month : %b %Y
date.autoformatter.day : %b %d %Y
date.autoformatter.hour : %H:%M:%S
date.autoformatter.minute : %H:%M:%S,%f
date.autoformatter.second : %H:%M:%S,%f
date.autoformatter.microsecond : %H:%M:%S,%f

### TICKS
# see http://matplotlib.org/api/axis_api.html#matplotlib.axis.Tick
xtick.top        : True  # draw ticks on the top side
xtick.bottom     : True  # draw ticks on the bottom side
xtick.major.size : 4     # major tick size in points
xtick.minor.size : 2     # minor tick size in points
xtick.minor.visible : False
xtick.major.width : 0.5   # major tick width in points
xtick.minor.width : 0.5   # minor tick width in points
xtick.major.pad   : 4     # distance to major tick label in points
xtick.minor.pad   : 4     # distance to the minor tick label in points
xtick.color       : k     # color of the tick labels
xtick.labelsize   : medium # font size of the tick labels
xtick.direction   : in    # direction: in, out, or inout
xtick.major.top   : True  # draw x axis top major ticks
xtick.major.bottom : True  # draw x axis bottom major ticks
xtick.minor.top   : True  # draw x axis top minor ticks
xtick.minor.bottom : True  # draw x axis bottom minor ticks

ytick.left        : True  # draw ticks on the left side
ytick.right       : True  # draw ticks on the right side
ytick.major.size  : 4     # major tick size in points
ytick.minor.size  : 2     # minor tick size in points
ytick.minor.visible : False
ytick.major.width : 0.5   # major tick width in points
ytick.minor.width : 0.5   # minor tick width in points
ytick.major.pad   : 4     # distance to major tick label in points
ytick.minor.pad : 4  # distance to the minor tick label in points
ytick.color : k  # color of the tick labels
ytick.labelsize : medium # fontsize of the tick labels
ytick.direction : in  # direction: in, out, or inout
ytick.major.left : True  # draw y axis left major ticks
ytick.major.right : True  # draw y axis right major ticks
ytick.minor.left : True  # draw y axis left minor ticks
ytick.minor.right : True  # draw y axis right minor ticks

### GRIDS
grid.color : k  # grid color
grid.linestyle : :  # dotted
grid.linewidth : 0.5  # in points
grid.alpha : 1.0  # transparency, between 0.0 and 1.0

### Legend
legend.fancybox : False  # if True, use a rounded box for the
# legend, else a rectangle
legend.loc : upper right
legend.numpoints : 2  # the number of points in the legend line
legend.fontsize : large
legend.borderpad : 0.4  # border whitespace in fontsize units
legend.labelscale : 1.0  # the relative size of legend markers vs. original
# the following dimensions are in axes coords
legend.labelspace : 0.5  # the vertical space between the legend entries in fraction of fontsize
legend.handlelength : 2.  # the length of the legend lines in fraction of fontsize
legend.handleheight : 0.7  # the height of the legend handle in fraction of fontsize
legend.handletextpad : 0.8  # the space between the legend line and legend text in fraction of fontsize
legend.borderaxespad : 0.5  # the border between the axes and legend edge in fraction of fontsize
legend.columnspacing : 2.  # the border between the axes and legend edge in fraction of fontsize
legend.shadow : False
legend.frameon : True  # whether or not to draw a frame around legend
legend.framealpha : None  # opacity of legend frame
legend.scatterpoints : 3  # number of scatter points
legend.facecolor : inherit  # legend background color (when 'inherit' uses axes.facecolor)
legend.edgecolor : inherit  # legend edge color (when 'inherit' uses axes.edgecolor)

### FIGURE
# See http://matplotlib.org/api/figure_api.html#matplotlib.figure.Figure
figure.titlesize : medium  # size of the figure title
figure.titleweight : normal  # weight of the figure title
figure.figsize : 8, 6  # figure size in inches
figure.dpi : 80  # figure dots per inch
figure.facecolor : 0.75  # figure facecolor; 0.75 is scalar gray
figure.edgecolor : w  # figure edgecolor
figure.autolayout : False  # When True, automatically adjust subplot
# parameters to make the plot fit the figure
figure.frameon : True

# The figure subplot parameters. All dimensions are a fraction of the
# figure width or height
figure.subplot.left : 0.125  # the left side of the subplots of the figure
figure.subplot.right : 0.9   # the right side of the subplots of the figure
figure.subplot.bottom: 0.1   # the bottom of the subplots of the figure
figure.subplot.top : 0.9      # the top of the subplots of the figure
figure.subplot.wspace : 0.2   # the amount of width reserved for blank space between subplots,
                           # expressed as a fraction of the average axis width
figure.subplot.hspace : 0.2   # the amount of height reserved for white space between subplots,
                           # expressed as a fraction of the average axis height

### IMAGES
image.aspect : equal         # equal | auto | a number
image.interpolation : bilinear # see help(imshow) for options
image.cmap   : jet           # gray | jet etc...
image.lut    : 256           # the size of the colormap lookup table
image.origin : upper         # lower | upper
image.resample : False
image.composite_image : True

### CONTOUR PLOTS
contour.negative_linestyle : dashed # dashed | solid
contour.corner_mask : True

# errorbar props
errorbar.capsize: 3

# scatter props
scatter.marker: o

### Boxplots
boxplot.bootstrap: None
boxplot.boxprops.color: b
boxplot.boxprops.linestyle: -
boxplot.boxprops.linewidth: 1.0
boxplot.capprops.color: k
boxplot.capprops.linestyle: -
boxplot.capprops.linewidth: 1.0
boxplot.flierprops.color: b
boxplot.flierprops.linestyle: none
boxplot.flierprops.linewidth: 1.0
boxplot.flierprops.marker: +
boxplot.flierprops.markeredgcolor: k
boxplot.flierprops.markerfacecolor: auto
boxplot.flierprops.markersize: 6.0
boxplot.meanline: False
boxplot.meanprops.color: r
boxplot.meanprops.linestyle: -
boxplot.meanprops.linewidth: 1.0
boxplot.medianprops.color: r
boxplot.medianprops.linestyle: -
boxplot.medianprops.linewidth: 1.0
boxplot.notch: False
boxplot.patchartist: False
boxplot.showbox: True
boxplot.showcaps: True
boxplot.showfliers: True
boxplot.showmeans: False
boxplot.vertical: True
boxplot.whiskerprops.color: b
boxplot.whiskerprops.linestyle: --
boxplot.whiskerprops.linewidth: 1.0
boxplot.whiskers: 1.5

### Agg rendering
### Warning: experimental, 2008/10/10
agg.path.chunksize : 0 # 0 to disable; values in the range
# 10000 to 100000 can improve speed slightly
# and prevent an Agg rendering failure
# when plotting very large data sets,
# especially if they are very gappy.
# It may cause minor artifacts, though.
# A value of 20000 is probably a good
# starting point.
### SAVING FIGURES
path.simplify : True # When True, simplify paths by removing "invisible"
# points to reduce file size and increase rendering
# speed
path.simplify_threshold : 0.1111111111111111
# The threshold of similarity below which
# vertices will be removed in the simplification
# process
path.snap : True # When True, rectilinear axis-aligned paths will be snapped to
# the nearest pixel when certain criteria are met. When False,
# paths will never be snapped.
path.sketch : None # May be none, or a 3-tuple of the form (scale, length,
# randomness).
# *scale* is the amplitude of the wiggle
# perpendicular to the line (in pixels). *length*
# is the length of the wiggle along the line (in pixels). *randomness* is the factor by which the length is randomly scaled.

# the default savefig params can be different from the display params
# e.g., you may want a higher resolution, or to make the figure background white
savefig.dpi : 100 # figure dots per inch
savefig.facecolor : w # figure facecolor when saving
savefig.edgecolor : w # figure edgecolor when saving
savefig.format : png # png, ps, pdf, svg
savefig.bbox : standard # 'tight' or 'standard'.
    # 'tight' is incompatible with pipe-based animation
    # backends but will work with temporary file based ones:
    # e.g. setting animation.writer to ffmpeg will not work,
    # use ffmpeg_file instead
savefig.pad_inches : 0.1 # Padding to be used when bbox is set to 'tight'
savefig.jpeg_quality : 95 # when a jpeg is saved, the default quality parameter.
savefig.transparent : False # setting that controls whether figures are saved with a
    # transparent background by default
savefig.frameon : True
savefig.orientation : portrait

nbagg.transparent: True

# ps backend params
ps.papersize : letter # auto, letter, legal, ledger, A0-A10, B0-B10
ps.useafm : False # use of afm fonts, results in small files
ps.usedistiller : False # can be: None, ghostscript or xpdf
    # Experimental: may produce smaller files.
    # xpdf intended for production of publication quality files,
    # but requires ghostscript, xpdf and ps2eps
ps.distiller.res : 6000 # dpi
ps.fonttype : 3 # Output Type 3 (Type3) or Type 42 (TrueType)

# pdf backend params
pdf.compression : 6 # integer from 0 to 9
    # 0 disables compression (good for debugging)
pdf.fonttype : 3 # Output Type 3 (Type3) or Type 42 (TrueType)
pdf.inheritcolor : False
pdf.use14corefonts : False

# pgf backend params
pgf.debug : False
pgf.texsystem : xelatex
pgf.rcfonts : True
pgf.preamble : 

# svg backend params
svg.image_inline : True       # write raster image data directly into the svg file
svg.fonttype : path            # How to handle SVG fonts:
#    'none': Assume fonts are installed on the machine where the SVG will be viewed.
#    'path': Embed characters as paths -- supported by most SVG renderers
#    'svgfont': Embed characters as SVG fonts -- supported only by Chrome,
#          Opera and Safari

# Set the verbose flags. This controls how much information
# matplotlib gives you at runtime and where it goes. The verbosity
# levels are: silent, helpful, debug, debug-annoying. Any level is
# inclusive of all the levels below it. If your setting is "debug",
# you'll get all the debug and helpful messages. When submitting
# problems to the mailing-list, please set verbose to "helpful" or "debug"
# and paste the output into your report.
#
# The "fileo" gives the destination for any calls to verbose.report.
# These objects can a filename, or a filehandle like sys.stdout.
#
# You can override the rc default verbosity from the command line by
# giving the flags --verbose-LEVEL where LEVEL is one of the legal
# levels, e.g., --verbose-helpful.
#
# You can access the verbose instance in your code
# from matplotlib import verbose.
verbose.level  : silent      # one of silent, helpful, debug, debug-annoying
verbose.fileo  : sys.stdout  # a log filename, sys.stdout or sys.stderr

# Event keys to interact with figures/plots via keyboard.
# Customize these settings according to your needs.
# Leave the field(s) empty if you don't need a key-map. (i.e., fullscreen : "")

keymap.fullscreen : f, ctrl+f      # toggling
keymap.home : h, r, home           # home or reset mnemonic
keymap.back : left, c, backspace   # forward / backward keys to enable
keymap.forward : right, v          # left handed quick navigation
keymap.pan : p                      # pan mnemonic
keymap.zoom : o                     # zoom mnemonic
keymap.save : s, ctrl+s             # saving current figure
keymap.quit : ctrl+w, cmd+w         # close the current figure
keymap.grid : g                      # switching on/off a grid in current axes
keymap.yscale : l                     # toggle scaling of y-axes ('log'/'linear')
keymap.xscale : k, L                 # toggle scaling of x-axes ('log'/'linear')
keymap.all_axes : a                  # enable all axes

###ANIMATION settings
animation.writer : ffmpeg          # MovieWriter 'backend' to use
animation.codec : mpeg4  # Codec to use for writing movie
animation.bitrate: -1  # Controls size/quality tradeoff for movie.
    # -1 implies let utility auto-determine
animation.frame_format: png  # Controls frame format used by temp files
animation.ffmpeg_path: ffmpeg  # Path to ffmpeg binary. Without full path
    # $PATH is searched
animation.ffmpeg_args:  # Additional arguments to pass to ffmpeg
animation.avconv_path: avconv  # Path to avconv binary. Without full path
    # $PATH is searched
animation.avconv_args:  # Additional arguments to pass to avconv
animation.mencoder_path: mencoder  # Path to mencoder binary. Without full path
    # $PATH is searched
animation.mencoder_args:  # Additional arguments to pass to mencoder
animation.convert_path: convert  # Path to ImageMagick's convert binary.
    # On Windows use the full path since convert
    # is also the name of a system tool.
animation.convert_args:
animation.html: none

_Internal.classic_mode: True
# Seaborn dark palette
axes.prop_cycle: cycler('color', ['001C7F', '017517', '8C0900', '7600A1', 'B8860B', '006374'])
patch.facecolor: 001C7F
StartFontMetrics 2.0
Comment Creation Date: Mon Jul 2 22:37:33 1990
Comment UniqueID 31796
Comment VMusage 37415 48307
FontName Palatino-Italic
FullName Palatino Italic
FamilyName Palatino
Weight Medium
ItalicAngle -10
IsFixedPitch false
FontBBox -170 -276 1010 918
UnderlinePosition -100
UnderlineThickness 50
Version 001.005
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EncodingScheme AdobeStandardEncoding
CapHeight 692
XHeight 482
Ascender 733
Descender -276
StartCharMetrics 228
C 32 ; WX 250 ; N space ; B 0 0 0 0 ;
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63558
KPX r q -18
KPX r period -74
KPX r o -18
KPX r h -18
KPX r g -18
KPX r e -18
KPX r comma -74
KPX r c -18

KPX v period -55
KPX v comma -55

KPX w period -55
KPX w comma -55

KPX y period -37
KPX y comma -37
EndKernPairs
EndKernData
StartComposites 58
CC Aacute 2 ; PCC A 0 0 ; PCC acute 271 210 ;
CC Acircumflex 2 ; PCC A 0 0 ; PCC circumflex 261 210 ;
CC Adieresis 2 ; PCC A 0 0 ; PCC dieresis 255 210 ;
CC Agrave 2 ; PCC A 0 0 ; PCC grave 235 210 ;
CC Aring 2 ; PCC A 0 0 ; PCC ring 235 210 ;
CC Atilde 2 ; PCC A 0 0 ; PCC tilde 255 228 ;
CC Ccedilla 2 ; PCC C 0 0 ; PCC cedilla 207 0 ;
CC Eacute 2 ; PCC E 0 0 ; PCC acute 199 210 ;
CC Ecircumflex 2 ; PCC E 0 0 ; PCC circumflex 179 210 ;
CC Edieresis 2 ; PCC E 0 0 ; PCC dieresis 179 210 ;
CC Egrave 2 ; PCC E 0 0 ; PCC grave 167 210 ;
CC Iacute 2 ; PCC I 0 0 ; PCC acute 60 210 ;
CC Icircumflex 2 ; PCC I 0 0 ; PCC circumflex 40 210 ;
CC Idieresis 2 ; PCC I 0 0 ; PCC dieresis 40 210 ;
CC Igrave 2 ; PCC I 0 0 ; PCC grave 28 210 ;
CC Ntilde 2 ; PCC N 0 0 ; PCC tilde 263 228 ;
CC Oacute 2 ; PCC O 0 0 ; PCC acute 283 210 ;
CC Ocircumflex 2 ; PCC O 0 0 ; PCC circumflex 263 210 ;
CC Odieresis 2 ; PCC O 0 0 ; PCC dieresis 255 210 ;
CC Ograve 2 ; PCC O 0 0 ; PCC grave 251 210 ;
CC Otilde 2 ; PCC O 0 0 ; PCC tilde 263 228 ;
CC Scaron 2 ; PCC S 0 0 ; PCC caron 130 228 ;
CC Uacute 2 ; PCC U 0 0 ; PCC acute 277 210 ;
CC Ucircumflex 2 ; PCC U 0 0 ; PCC circumflex 255 210 ;
CC Udieresis 2 ; PCC U 0 0 ; PCC dieresis 235 210 ;
CC Ugrave 2 ; PCC U 0 0 ; PCC grave 235 210 ;
CC Yacute 2 ; PCC Y 0 0 ; PCC acute 227 210 ;
CC Ydieresis 2 ; PCC Y 0 0 ; PCC dieresis 187 210 ;
### Classic matplotlib plotting style as of v1.5

#### LINES

# See http://matplotlib.org/api/artist_api.html#module-matplotlib.lines for more # information on line properties.

lines.linewidth : 1.0   # line width in points
lines.linestyle : -     # solid line
lines.color      : b    # has no affect on plot(); see axes.prop_cycle
lines.marker     : None  # the default marker
lines.markeredgewidth : 0.5 # the line width around the marker symbol
lines.markersize : 6    # markersize, in points
lines.dash Joiystyle : round # miter|round|bevel
lines.dash_capstyle : butt  # butt|round|projecting
lines.solid Joiystyle : round # miter|round|bevel
lines.solid_capstyle : projecting # butt|round|projecting
lines.antialiased : True  # render lines in antialiased (no jaggies)
lines.dashed_pattern : 6, 6
lines.dashdot_pattern : 3, 5, 1, 5
lines.dotted_pattern : 1, 3
lines.scale_dashes: False

### Marker props
markers.fillstyle: full

### PATCHES
# Patches are graphical objects that fill 2D space, like polygons or
# circles. See
# http://matplotlib.org/api/artist_api.html#module-matplotlib.patches
# information on patch properties
patch.linewidth        : 1.0     # edge width in points
patch.facecolor        : b
patch.force_edgecolor  : True
patch.edgecolor        : k
patch.antialiased      : True   # render patches in antialiased (no jaggies)

hatch.color            : k
hatch.linewidth        : 1.0

hist.bins              : 10

### FONT
#
# font properties used by text.Text. See
# http://matplotlib.org/api/font_manager_api.html for more
# information on font properties. The 6 font properties used for font
# matching are given below with their default values.
#
# The font.family property has five values: 'serif' (e.g., Times),
# 'sans-serif' (e.g., Helvetica), 'cursive' (e.g., Zapf-Chancery),
# 'fantasy' (e.g., Western), and 'monospace' (e.g., Courier). Each of
# these fonts families has a default list of font names in decreasing
# order of priority associated with them. When text.usetex is False,
# font.family may also be one or more concrete font names.
#
# The font.style property has three values: normal (or roman), italic
# or oblique. The oblique style will be used for italic, if it is not
# present.
#
# The font.variant property has two values: normal or small-caps. For
# TrueType fonts, which are scalable fonts, small-caps is equivalent
# to using a font size of ‘smaller’, or about 83% of the current font
# size.
# The font.weight property has effectively 13 values: normal, bold,
# bolder, lighter, 100, 200, 300, ..., 900. Normal is the same as
# 400, and bold is 700. bolder and lighter are relative values with
# respect to the current weight.
#
# The font.stretch property has 11 values: ultra-condensed,
# extra-condensed, condensed, semi-condensed, normal, semi-expanded,
# expanded, extra-expanded, ultra-expanded, wider, and narrower. This
# property is not currently implemented.
#
# The font.size property is the default font size for text, given in pts.
# 12pt is the standard value.
#
font.family         : sans-serif
font.style          : normal
font.variant        : normal
font.weight         : normal
font.stretch        : normal

# note that font.size controls default text sizes. To configure
# special text sizes tick labels, axes, labels, title, etc, see the rc
# settings for axes and ticks. Special text sizes can be defined
# relative to font.size, using the following values: xx-small, x-small,
# small, medium, large, x-large, xx-large, larger, or smaller
font.size           : 12.0
font.serif     : DejaVu Serif, New Century Schoolbook, Century Schoolbook L, Utopia, ITC Bookman, Bookman,
Nimbus Roman No9 L, Times New Roman, Times, Palatino, Charter, serif
font.sans-serif: DejaVu Sans, Lucida Grande, Verdana, Geneva, Lucid, Arial, Helvetica, Avant Garde, sans-serif
font.cursive   : Apple Chancery, Textile, Zapf Chancery, Sand, Script MT, Felipa, cursive
font.fantasy   : Comic Sans MS, Chicago, Charcoal, ImpactWestern, Humor Sans, fantasy
font.monospace : DejaVu Sans Mono, Andale Mono, Nimbus Mono L, Courier New, Courier, Fixed, Terminal, monospace

### TEXT
# text properties used by text.Text. See
# http://matplotlib.org/api/artist_api.html#module-matplotlib.text for more
# information on text properties

text.color          : k

### LaTeX customizations. See http://www.scipy.org/Wiki/Cookbook/Matplotlib/UsingTex
text.usetex         : False  # use latex for all text handling. The following fonts
                      # are supported through the usual rc parameter settings:
                      # new century schoolbook, bookman, times, palatino,
                      # zapf chancery, charter, serif, sans-serif, helvetica,
                      # avant garde, courier, monospace, computer modern roman,
                      # computer modern sans serif, computer modern typewriter
                      # If another font is desired which can loaded using the
                      # LaTeX \usepackage command, please inquire at the
text.latex.unicode : False # use "ucs" and "inputenc" LaTeX packages for handling unicode strings.

text.latex.preamble : # IMPROPER USE OF THIS FEATURE WILL LEAD TO LATEX FAILURES
# AND IS THEREFORE UNSUPPORTED. PLEASE DO NOT ASK FOR HELP
# IF THIS FEATURE DOES NOT DO WHAT YOU EXPECT IT TO.
# preamble is a comma separated list of LaTeX statements
# that are included in the LaTeX document preamble.
# An example:
# text.latex.preamble : \usepackage{bm},\usepackage{euler}
# The following packages are always loaded with usetex, so
# beware of package collisions: color, geometry, graphicx,
# type1cm, textcomp. Adobe Postscript (PSSNFS) font packages
# may also be loaded, depending on your font settings

text.latex.preview : False

text.hinting : auto # May be one of the following:
# 'none': Perform no hinting
# 'auto': Use freetype's autohinter
# 'native': Use the hinting information in the
# font file, if available, and if your
# freetype library supports it
# 'either': Use the native hinting information,
# or the autohinter if none is available.
# For backward compatibility, this value may also be
# True === 'auto' or False === 'none'.
text.hinting_factor : 8 # Specifies the amount of softness for hinting in the
# horizontal direction. A value of 1 will hint to full
# pixels. A value of 2 will hint to half pixels etc.

text.antialiased : True # If True (default), the text will be antialiased.
# This only affects the Agg backend.

# The following settings allow you to select the fonts in math mode.
# They map from a TeX font name to a fontconfig font pattern.
# These settings are only used if mathtext.fontset is 'custom'.
# Note that this "custom" mode is unsupported and may go away in the
# future.
mathtext.cal : cursive
mathtext.rm : serif
mathtext.tt : monospace
mathtext.it : serif:italic
mathtext.bf : serif:bold
mathtext.sf : sans-serif
mathtext.fontset : cm # Should be 'cm' (Computer Modern), 'stix',
# 'stixsans' or 'custom'
mathtext.fallback_to_cm : True # When True, use symbols from the Computer Modern
# fonts when a symbol can not be found in one of
# the custom math fonts.

mathtext.default : it # The default font to use for math.
   # Can be any of the LaTeX font names, including
   # the special name "regular" for the same font
   # used in regular text.

### AXES

# default face and edge color, default tick sizes,
# default fontsize for ticklabels, and so on. See
# http://matplotlib.org/api/axes_api.html#module-matplotlib.axes
axes.facecolor      : w       # axes background color
axes.edgecolor      : k       # axes edge color
axes.linewidth      : 1.0     # edge linewidth
axes.grid           : False   # display grid or not
axes.grid.which     : major
axes.grid.axis      : both
axes.titlesize      : large   # fontsize of the axes title
axes.titlepad       : 5.0     # pad between axes and title in points
axes.titleweight    : normal  # font weight for axes title
axes.labelsize      : medium  # fontsize of the x any y labels
axes.labelpad       : 5.0     # space between label and axis
axes.labelweight    : normal  # weight of the x and y labels
axes.labelcolor     : k
axes.axisbelow      : False   # whether axis gridlines and ticks are below
   # the axes elements (lines, text, etc)
axes.formatter.limits : -7, 7 # use scientific notation if log10
   # of the axis range is smaller than the
   # first or larger than the second
axes.formatter.use_locale : False # When True, format tick labels
   # according to the user's locale.
   # For example, use "," as a decimal
   # separator in the fr_FR locale.
axes.formatter.use_mathtext : False # When True, use mathtext for scientific
   # notation.
axes.formatter.useoffset : True   # If True, the tick label formatter
   # will default to labeling ticks relative
   # to an offset when the data range is very
   # small compared to the minimum absolute
   # value of the data.
axes.formatter.offset_threshold : 2  # When useoffset is True, the offset
   # will be used when it can remove
   # at least this number of significant
   # digits from tick labels.

axes.unicode_minus  : True    # use unicode for the minus symbol
   # rather than hyphen. See
# http://en.wikipedia.org/wiki/Plus_and_minus_signs#Character_codes

axes.prop_cycle : cycler('color', 'bgrcmyk')
    # color cycle for plot lines
    # as list of string colorspecs:
    # single letter, long name, or
    # web-style hex

axes.autolimit_mode : round_numbers
axes.xmargin : 0  # x margin. See `axes.Axes.margins`
axes.ymargin : 0  # y margin See `axes.Axes.margins`
axes.spines.bottom : True
axes.spines.left : True
axes.spines.right : True
axes.spines.top : True
polaraxes.grid : True    # display grid on polar axes
axes3d.grid : True    # display grid on 3d axes

date.autoformatter.year : %Y
date.autoformatter.month : %b %Y
date.autoformatter.day : %b %d %Y
date.autoformatter.hour : %H:%M:%S
date.autoformatter.minute : %H:%M:%S.%f
date.autoformatter.second : %H:%M:%S.%f
date.autoformatter.microsecond : %H:%M:%S.%f

### TICKS
# see http://matplotlib.org/api/axis_api.html#matplotlib.axis.Tick

xtick.top : True    # draw ticks on the top side
xtick.bottom : True    # draw ticks on the bottom side
xtick.major.size : 4    # major tick size in points
xtick.minor.size : 2    # minor tick size in points
xtick.minor.visible : False
xtick.major.width : 0.5    # major tick width in points
xtick.minor.width : 0.5    # minor tick width in points
xtick.major.pad : 4    # distance to major tick label in points
xtick.minor.pad : 4    # distance to the minor tick label in points
xtick.color : k    # color of the tick labels
xtick.labelsize : medium # fontsize of the tick labels
xtick.direction : in    # direction: in, out, or inout
xtick.major.top : True    # draw x axis top major ticks
xtick.major.bottom : True    # draw x axis bottom major ticks
xtick.minor.top : True    # draw x axis top minor ticks
xtick.minor.bottom : True    # draw x axis bottom minor ticks
xtick.alignment : center

ytick.left : True    # draw ticks on the left side
ytick.right : True    # draw ticks on the right side
ytick.major.size : 4    # major tick size in points
ytick.minor.size : 2 # minor tick size in points
ytick.minor.visible : False
ytick.major.width : 0.5 # major tick width in points
ytick.minor.width : 0.5 # minor tick width in points
ytick.major.pad : 4 # distance to major tick label in points
ytick.minor.pad : 4 # distance to the minor tick label in points
ytick.color : k # color of the tick labels
ytick.labelsize : medium # fontsize of the tick labels
ytick.direction : in # direction: in, out, or inout
ytick.major.left : True # draw y axis left major ticks
ytick.major.right : True # draw y axis right major ticks
ytick.minor.left : True # draw y axis left minor ticks
ytick.minor.right : True # draw y axis right minor ticks
ytick.alignment : center

### GRIDS
grid.color : k # grid color
grid.linestyle : : # dotted
grid.linewidth : 0.5 # in points
grid.alpha : 1.0 # transparency, between 0.0 and 1.0

### Legend
legend.fancybox : False # if True, use a rounded box for the
# legend, else a rectangle
legend.loc : upper right
legend.numpoints : 2 # the number of points in the legend line
legend.fontsize : large
legend.borderpad : 0.4 # border whitespace in fontsize units
legend.markerscale : 1.0 # the relative size of legend markers vs. original
# the following dimensions are in axes coords
legend.labelspacing : 0.5 # the vertical space between the legend entries in fraction of fontsize
legend.handlelength : 2. # the length of the legend lines in fraction of fontsize
legend.handleheight : 0.7 # the height of the legend handle in fraction of fontsize
legend.handletextpad : 0.8 # the space between the legend line and legend text in fraction of fontsize
legend.borderaxespad : 0.5 # the border between the axes and legend edge in fraction of fontsize
legend.columnspacing : 2. # the border between the axes and legend edge in fraction of fontsize
legend.shadow : False
legend.frameon : True # whether or not to draw a frame around legend
legend.framealpha : None # opacity of legend frame
legend.scatterpoints : 3 # number of scatter points
legend.facecolor : inherit # legend background color (when 'inherit' uses axes.facecolor)
legend.edgecolor : inherit # legend edge color (when 'inherit' uses axes.edgecolor)

### FIGURE
# See http://matplotlib.org/api/figure_api.html#matplotlib.figure.Figure
figure.titlesize : medium # size of the figure title
figure.titleweight : normal  # weight of the figure title
figure.figsize  : 8, 6  # figure size in inches
figure.dpi      : 80     # figure dots per inch
figure.facecolor: 0.75   # figure facecolor; 0.75 is scalar gray
figure.edgecolor: w     # figure edgecolor
figure.autolayout : False # When True, automatically adjust subplot
                          # parameters to make the plot fit the figure
figure.frameon : True

# The figure subplot parameters. All dimensions are a fraction of the
# figure width or height
figure.subplot.left : 0.125 # the left side of the subplots of the figure
figure.subplot.right: 0.9   # the right side of the subplots of the figure
figure.subplot.bottom: 0.1 # the bottom of the subplots of the figure
figure.subplot.top : 0.9    # the top of the subplots of the figure
figure.subplot.wspace : 0.2 # the amount of width reserved for blank space between subplots,
                          # expressed as a fraction of the average axis width
figure.subplot.hspace : 0.2 # the amount of height reserved for white space between subplots,
                          # expressed as a fraction of the average axis height

### IMAGES
image.aspect : equal             # equal | auto | a number
image.interpolation : bilinear  # see help(imshow) for options
image.cmap   : jet               # gray | jet etc...
image.lut    : 256               # the size of the colormap lookup table
image.origin : upper             # lower | upper
image.resample : False
image.composite_image : True

### CONTOUR PLOTS
contour.negative_linestyle : dashed # dashed | solid
contour.corner_mask : True

# errorbar props
errorbar.capsize: 3

# scatter props
scatter.marker: o

### Boxplots
boxplot.bootstrap: None
boxplot.boxprops.color: b
boxplot.boxprops.linestyle: -
boxplot.boxprops.linewidth: 1.0
boxplot.capprops.color: k
boxplot.capprops.linestyle: -
boxplot.capprops.linewidth: 1.0
boxplot.flierprops.color: b
boxplot.flierprops.linestyle: none
boxplot.flierprops.linewidth: 1.0
boxplot.flierprops.marker: +
boxplot.flierprops.markeredgecolor: k
boxplot.flierprops.markerfacecolor: auto
boxplot.flierprops.markersize: 6.0
boxplot.meanline: False
boxplot.meanprops.color: r
boxplot.meanprops.linestyle: -
boxplot.meanprops.linewidth: 1.0
boxplot.medianprops.color: r
boxplot.medianprops.marker: s
boxplot.medianprops.markeredgecolor: r
boxplot.medianprops.markerfacecolor: k
boxplot.medianprops.markersize: 6.0
boxplot.medianprops.linestyle: -
boxplot.medianprops.linewidth: 1.0
boxplot.notch: False
boxplot.patchartist: False
boxplot.showbox: True
boxplot.showcaps: True
boxplot.showfliers: True
boxplot.showmeans: False
boxplot.vertical: True
boxplot.whiskerprops.color: b
boxplot.whiskerprops.linestyle: --
boxplot.whiskerprops.linewidth: 1.0
boxplot.whiskers: 1.5

### Agg rendering
### Warning: experimental, 2008/10/10
agg.path.chunksize : 0  # 0 to disable; values in the range
# 10000 to 100000 can improve speed slightly
# and prevent an Agg rendering failure
# when plotting very large data sets,
# especially if they are very gappy.
# It may cause minor artifacts, though.
# A value of 20000 is probably a good
# starting point.

### SAVING FIGURES
path.simplify : True  # When True, simplify paths by removing "invisible"
# points to reduce file size and increase rendering
# speed
path.simplify_threshold : 0.1111111111111111
# The threshold of similarity below which
# vertices will be removed in the simplification
# process
path.snap : True  # When True, rectilinear axis-aligned paths will be snapped to
# the nearest pixel when certain criteria are met. When False, # paths will never be snapped.
path.sketch : None # May be none, or a 3-tuple of the form (scale, length, # randomness).
# *scale* is the amplitude of the wiggle
# perpendicular to the line (in pixels). *length*
# is the length of the wiggle along the line (in # pixels). *randomness* is the factor by which
# the length is randomly scaled.

# the default savefig params can be different from the display params
# e.g., you may want a higher resolution, or to make the figure
# background white
savefig.dpi : 100 # figure dots per inch
savefig.facecolor : w # figure facecolor when saving
savefig.edgecolor : w # figure edgecolor when saving
savefig.format : png # png, ps, pdf, svg
savefig.bbox : standard # 'tight' or 'standard'.
# 'tight' is incompatible with pipe-based animation
# backends but will workd with temporary file based ones:
# e.g. setting animation.writer to ffmpeg will not work,
# use ffmpeg_file instead
savefig.pad_inches : 0.1 # Padding to be used when bbox is set to 'tight'
savefig.jpeg_quality : 95 # when a jpeg is saved, the default quality parameter.
savefig.transparent : False # setting that controls whether figures are saved with a # transparent background by default
savefig.frameon : True
savefig.orientation : portrait

nbagg.transparent: True

# ps backend params
ps.papersize : letter # auto, letter, legal, ledger, A0-A10, B0-B10
ps.useafm : False # use of afm fonts, results in small files
ps.usedistiller : False # can be: None, ghostscript or xdvi
# Experimental: may produce smaller files.
# xdvi intended for production of publication quality files,
# but requires ghostscript, xdvi and ps2eps
ps.distiller.res : 6000 # dpi
ps.fonttype : 3 # Output Type 3 (Type3) or Type 42 (TrueType)

# pdf backend params
pdf.compression : 6 # integer from 0 to 9
# 0 disables compression (good for debugging)
pdf.fonttype : 3 # Output Type 3 (Type3) or Type 42 (TrueType)
pdf.inheritcolor : False
pdf.use14corefonts : False
# pgf backend params
pgf.debug : False
pgf.texsystem : xelatex
pgf.rcfonts : True
pgf.preamble :

# svg backend params
svg.image_inline : True  # write raster image data directly into the svg file
svg.fonttype : path  # How to handle SVG fonts:
#   'none': Assume fonts are installed on the machine where the SVG will be viewed.
#   'path': Embed characters as paths -- supported by most SVG renderers
#   'svgfont': Embed characters as SVG fonts -- supported only by Chrome,
#   Opera and Safari

# Set the verbose flags. This controls how much information
# matplotlib gives you at runtime and where it goes. The verbosity
# levels are: silent, helpful, debug, debug-annoying. Any level is
# inclusive of all the levels below it. If your setting is "debug",
# you'll get all the debug and helpful messages. When submitting
# problems to the mailing-list, please set verbose to "helpful" or "debug"
# and paste the output into your report.
#
# The "fileo" gives the destination for any calls to verbose.report.
# These objects can a filename, or a filehandle like sys.stdout.
#
# You can override the rc default verbosity from the command line by
# giving the flags --verbose-LEVEL where LEVEL is one of the legal
# levels, e.g., --verbose-helpful.
#
# You can access the verbose instance in your code
# from matplotlib import verbose.
verbose.level : silent  # one of silent, helpful, debug, debug-annoying
verbose.fileo : sys.stdout  # a log filename, sys.stdout or sys.stderr

# Event keys to interact with figures/plots via keyboard.
# Customize these settings according to your needs.
# Leave the field(s) empty if you don't need a key-map. (i.e., full screen : '')
keymap.fullscreen : f, ctrl+f  # toggling
keymap.home : h, r, home  # home or reset mnemonic
keymap.back : left, c, backspace  # forward / backward keys to enable
keymap.forward : right, v  # left handed quick navigation
keymap.pan : p  # pan mnemonic
keymap.zoom : o  # zoom mnemonic
keymap.save : s, ctrl+s  # saving current figure
keymap.quit : ctrl+w, cmd+w  # close the current figure
keymap.grid : g  # switching on/off a grid in current axes
keymap.yscale : l # toggle scaling of y-axes ('log'/linear')
keymap.xscale : k, L # toggle scaling of x-axes ('log'/linear')
keymap.all_axes : a # enable all axes

###ANIMATION settings
animation.writer : ffmpeg       # MovieWriter 'backend' to use
animation.codec : mpeg4         # Codec to use for writing movie
animation.bitrate: -1          # Controls size/quality tradeoff for movie.
    # -1 implies let utility auto-determine
animation.frame_format: png     # Controls frame format used by temp files
animation.ffmpeg_path: ffmpeg   # Path to ffmpeg binary. Without full path
    # $PATH is searched
animation.ffmpeg_args:         # Additional arguments to pass to ffmpeg
animation.avconv_path: avconv  # Path to avconv binary. Without full path
    # $PATH is searched
animation.avconv_args:         # Additional arguments to pass to avconv
animation.mencoder_path: mencoder
    # Path to mencoder binary. Without full path
    # $PATH is searched
animation.mencoder_args:       # Additional arguments to pass to mencoder
animation.convert_path: convert # Path to ImageMagick's convert binary.
    # On Windows use the full path since convert
    # is also the name of a system tool.
animation.convert_args:
animation.html: none

_internal.classic_mode: True

Year,Agriculture,Architecture,Art and Performance,Biology,Business,Communications and Journalism,Computer
Science,Education,Engineering,English,Foreign Languages,Health Professions,Math and Statistics,Physical
Sciences,Psychology,Public Administration,Social Sciences and History
1970,4.22979798,11.92100539,59.7,29.08836297,0.8,65.57092343,73.8,77.1,38,13.8,44.4,68.4,36.8
1971,5.452796685,12.00310559,59.9,29.39440285,1,64.55648516,73.9,75.5,39,14.9,46.2,65.5,36.2
1972,7.42071022,13.21459351,60.4,29.81022105,1.2,63.6642632,74.6,76.9,40.2,14.8,52.6,62.6,36.1
1973,9.653602412,14.7916134,60.2,31.14791477,1.6,62.94150212,74.9,77.4,41.8,16.5,54.5,63,37.7
1974,14.07462346,17.44468758,61.9,32.99618284,2.2,62.41341209,75.3,77.9,41.8,18.2,52.6,66.1,37.3
1975,18.3316153,19.1340767,60.9,34.9940384,4.5,61.64720641,75.78,9,0.7,19.1,54,63,37.7
1976,22.25276005,21.39449143,61.3,36.07287146,2.6,62.14819377,74.4,79.2,41.5,20.56,65.6,39.2
1977,24.6401766,23.74054054,62.38,33.138629,27.16342715,46.9,25.7,72.45639481,6.8,62.72306675,74.3,80.5,41.2,1.3,59.6,30.4,40.5
1978,27.14619175,25.84923793,62.5,40.11249564,30.52751868,49.9,28.1,73.19282134,8.4,63.61912216,74.3,81.9,41.6,22.5,61.3,71.5,41.8
<table>
<thead>
<tr>
<th>Year</th>
<th>Longitude</th>
<th>Latitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>1979,29</td>
<td>63.336549,27.77047744,63.2,42.0,38.721381,52.3,30.2,73.82114234,9.4,65.0883972,74.2,82.3,42.3,23.7,63.3,73.3,43.6</td>
<td></td>
</tr>
<tr>
<td>1980,30</td>
<td>75.938956,28.08038075,63.4,43.99925716,36.76572529,54.7,32.5,74.98103152,10.3,65.28413007,74.1,83.5,42.8,24.6,65.1,74.6,44.2</td>
<td></td>
</tr>
<tr>
<td>1981,31</td>
<td>38.65519,29.84196408,63.3,45.24951206,39.26629824,56.4,34.8,75.84512345,11.6,65.3832154,73.9,84.1,43.2,25.7,69.7,47.4,44.6</td>
<td></td>
</tr>
<tr>
<td>1982,32</td>
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KPX B A -10
KPX C A -40
KPX D period -20
KPX D comma -20
KPX D Y -45
KPX D W -25
KPX D V -50
KPX D A -50
KPX F period -129
KPX F e -20
KPX F comma -162
KPX F a -20
KPX F A -75
KPX G period -20
KPX G comma -20
KPX G Y -15
KPX J period -15
KPX J a -20
KPX J A -30
KPX K y -20
KPX K u -15
KPX K o -45
KPX K e -40
KPX K O -30
KPX L y -23
KPX L quotedright -30
KPX L quotedblright -30
KPX L Y -80
KPX L W -55
KPX L V -85
KPX L T -46
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KPX O Y -30
KPX O X -30
KPX O W -20
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KPX W A -58

KPX Y u -52
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KPX Y period -145
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KPX Y hyphen -100
KPX Y e -89
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KPX a b 5

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CC Ograve 2 ; PCC O 0 0 ; PCC grave 242 170 ;
CC Otilde 2 ; PCC O 0 0 ; PCC tilde 212 170 ;
CC Scaron 2 ; PCC S 0 0 ; PCC caron 22 170 ;
CC Uacute 2 ; PCC U 0 0 ; PCC acute 177 170 ;
CC Ucircumflex 2 ; PCC U 0 0 ; PCC circumflex 82 170 ;
CC Udieresis 2 ; PCC U 0 0 ; PCC dieresis 102 170 ;
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63592
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KPX D W -40
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KPX D A -40

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KPX F a -20
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KPX J u -20
KPX J period -20
KPX J comma -20
KPX J A -20

KPX K y -40
KPX K u -30
KPX K o -35
KPX K e -15
KPX K O -30

KPX L y -30
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KPX L Y -120
KPX L W -80
KPX L V -110
KPX L T -90

KPX O period -40
KPX O comma -40
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KPX O X -50
KPX O W -50
KPX O V -50
KPX O T -40
KPX O A -50

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KPX P e -30
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KPX P a -30
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63598
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C -1 ; WX 479 ; N plusminus ; B 32 0 447 506 ;
C -1 ; WX 479 ; N multiply ; B 32 0 447 506 ;
C -1 ; WX 592 ; N U Dallas ; B 65 -19 528 901 ;
C -1 ; WX 479 ; N minus ; B 32 216 447 289 ;
C -1 ; WX 273 ; N onesuperior ; B 35 281 182 703 ;
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KPX A V -56
KPX A U -40
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KPX A Q -24
KPX A O -24
KPX A G -24
KPX A C -24

KPX B period -15
KPX B comma -15
KPX B U -7

KPX C period -24
KPX P e -40
KPX P comma -147
KPX P a -32
KPX P A -97

KPX Q U -7

KPX R Y -40
KPX R W -24
KPX R V -40
KPX R U -32
KPX R T -24
KPX R O -15

KPX S period -15
KPX S comma -15

KPX T y -97
KPX T w -97
KPX T u -97
KPX T semicolon -15
KPX T r -97
KPX T period -97
KPX T o -97
KPX T hyphen -114
KPX T e -97
KPX T comma -97
KPX T colon -15
KPX T a -97
KPX T O -32
KPX T A -97

KPX U period -32
KPX U comma -32
KPX U A -32

KPX V u -56
KPX V semicolon -32
KPX V period -102
KPX V o -65
KPX V hyphen -65
KPX V e -65
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Comment Creation Date: Fri Jan 17 15:47:44 1992
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UnderlinePosition -100
UnderlineThickness 50
Version 001.002
Notice Copyright (c) 1989, 1991 Adobe Systems Incorporated. All Rights Reserved.Utopia is a registered trademark of Adobe Systems Incorporated.
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KPX T O -6
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KPX U x -30
KPX U v -20
KPX U t -24
KPX U s -40
KPX U r -30
KPX U p -30
KPX U n -30
KPX U m -30
KPX U l -12
KPX U k -12
KPX U i -24
KPX U h -6
KPX U g -30
KPX U f -10
KPX U d -30
KPX U c -30
KPX U b -6
KPX U a -30
KPX U A -40

KPX V y -34
KPX V u -42
KPX V semicolon -45
KPX V r -55
KPX V quoteright 46
KPX V quotedblright 60
KPX V period -110
KPX V parenright 64
KPX V o -55
KPX V i 15
KPX V hyphen -60
KPX V endash -20
KPX V emdash -20
KPX V e -55
KPX V comma -110
KPX V colon -18
KPX V bracketright 64
KPX V braceright 64
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283  63640
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63648
KPX r g -3
KPX r f -9
KPX r e -15
KPX r d -9
KPX r comma -143
KPX r c -8
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EndKernData
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CC Adieresis 2 ; PCC A 0 0 ; PCC dieresis 140 177 ;
CC Agrave 2 ; PCC A 0 0 ; PCC grave 160 177 ;
CC Aring 2 ; PCC A 0 0 ; PCC ring 220 177 ;
CC Atilde 2 ; PCC A 0 0 ; PCC tilde 130 177 ;
CC Eacute 2 ; PCC E 0 0 ; PCC acute 210 177 ;
CC Ecircumflex 2 ; PCC E 0 0 ; PCC circumflex 140 177 ;
CC Edieresis 2 ; PCC E 0 0 ; PCC dieresis 150 177 ;
CC Egrave 2 ; PCC E 0 0 ; PCC grave 150 177 ;
CC Iacute 2 ; PCC I 0 0 ; PCC acute 30 177 ;
CC Icircumflex 2 ; PCC I 0 0 ; PCC circumflex -30 177 ;
CC Idieresis 2 ; PCC I 0 0 ; PCC dieresis -20 177 ;
CC Igrave 2 ; PCC I 0 0 ; PCC grave -30 177 ;
CC Ntilde 2 ; PCC N 0 0 ; PCC tilde 130 177 ;
CC Oacute 2 ; PCC O 0 0 ; PCC acute 250 177 ;
CC Ocircumflex 2 ; PCC O 0 0 ; PCC circumflex 190 177 ;
CC Odieresis 2 ; PCC O 0 0 ; PCC dieresis 200 177 ;
CC Ograve 2 ; PCC O 0 0 ; PCC grave 210 177 ;
CC Otilde 2 ; PCC O 0 0 ; PCC tilde 190 177 ;
CC Scaron 2 ; PCC S 0 0 ; PCC caron 100 177 ;
CC Uacute 2 ; PCC U 0 0 ; PCC acute 230 177 ;
CC Ucircumflex 2 ; PCC U 0 0 ; PCC circumflex 170 177 ;
CC Udieresis 2 ; PCC U 0 0 ; PCC dieresis 180 177 ;
CC Ugrave 2 ; PCC U 0 0 ; PCC grave 170 177 ;
CC Yacute 2 ; PCC Y 0 0 ; PCC acute 200 177 ;
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CC ntilde 2 ; PCC n 0 0 ; PCC tilde 60 0 ;
CC oacute 2 ; PCC o 0 0 ; PCC acute 80 0 ;
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CC odieresis 2 ; PCC o 0 0 ; PCC dieresis 40 0 ;
CC ograve 2 ; PCC o 0 0 ; PCC grave 80 0 ;
CC otile 2 ; PCC o 0 0 ; PCC tilde 30 0 ;
CC scaron 2 ; PCC s 0 0 ; PCC caron 30 0 ;
CC uacute 2 ; PCC u 0 0 ; PCC acute 120 0 ;
CC ucircumflex 2 ; PCC u 0 0 ; PCC circumflex 60 0 ;
CC udieresis 2 ; PCC u 0 0 ; PCC dieresis 70 0 ;
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CC yacute 2 ; PCC y 0 0 ; PCC acute 140 0 ;
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CC zcaron 2 ; PCC z 0 0 ; PCC caron 20 0 ;
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EndFontMetrics
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Comment Creation Date: Fri Jan 17 13:38:17 1992
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FullName Utopia Regular
FamilyName Utopia
Weight Regular
ItalicAngle 0
IsFixedPitch false
FontBBox -158 -250 1158 890
UnderlinePosition -100
UnderlineThickness 50
Version 001.002
Notice Copyright (c) 1989, 1991 Adobe Systems Incorporated. All Rights Reserved.Utopia is a registered trademark of Adobe Systems Incorporated.
EncodingScheme AdobeStandardEncoding
CapHeight 692
XHeight 490
Ascender 742
Descender -230
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C 34 ; WX 458 ; N quotedbl ; B 101 464 358 742 ;
C 35 ; WX 530 ; N numbersign ; B 11 0 519 668 ;
C 36 ; WX 530 ; N dollar ; B 44 -102 487 743 ;
C 37 ; WX 838 ; N percent ; B 50 -25 788 700 ;
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KPX A X -6
KPX A W -58
KPX A V -72
KPX A U -50
KPX A T -70
KPX A Q -24
KPX A O -24
KPX A G -24
KPX A C -24

KPX B y -18
KPX B u -12
KPX B r -12
KPX B period -30
KPX B o -6
KPX B l -12
KPX B i -12
KPX B h -12
KPX B e -6
KPX B comma -20
KPX B a -12
KPX B W -25
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KPX T y -84
KPX T w -100
KPX T u -82
KPX T semicolon -56
KPX T s -82
KPX T r -82
KPX T quoteright 24
KPX T period -110
KPX T parenright 54
KPX T o -100
KPX T m -82
KPX T i -34
KPX T hyphen -100
KPX T endash -50
KPX T emdash -50
KPX T e -100
KPX T comma -110
KPX T colon -50
KPX T bracketright 54
KPX T braceright 54
KPX T a -100
KPX T Y 12
KPX T X 18
KPX T W 6
KPX T V 6
KPX T T 12
KPX T S -12
KPX T Q -18
KPX T O -18
KPX T G -18
KPX T C -18
KPX T A -65
KPX U z -30
KPX U y -20
KPX U x -30
KPX U v -20
KPX U t -36
KPX U s -40
KPX U r -40
KPX U p -42
KPX U n -40
KPX U m -40
KPX U I -12
KPX U k -12
<child>
  <widget class="GtkColorButton" id="colorbutton_markerface">
    <property name="visible">True</property>
    <property name="can_focus">True</property>
    <property name="use_alpha">False</property>
    <property name="title" translatable="yes">Marker color</property>
    <property name="focus_on_click">True</property>
    <signal name="color_set" handler="on_colorbutton_markerface_color_set" last_modification_time="Mon, 07 Nov 2005 22:14:00 GMT"/>
  </widget>
  <packing>
    <property name="left_attach">2</property>
    <property name="right_attach">3</property>
    <property name="top_attach">1</property>
    <property name="bottom_attach">2</property>
    <property name="x_options">fill</property>
    <property name="y_options"></property>
  </packing>
</child>

<child>
  <widget class="GtkLabel" id="label_linestyle">
    <property name="visible">True</property>
    <property name="label" translatable="yes">Line style</property>
    <property name="use_underline">False</property>
    <property name="use_markup">False</property>
    <property name="justify">GTK_JUSTIFY_LEFT</property>
    <property name="wrap">False</property>
    <property name="selectable">False</property>
    <property name="xalign">0.5</property>
    <property name="yalign">0.5</property>
    <property name="xpad">0</property>
    <property name="ypad">0</property>
  </widget>
  <packing>
    <property name="left_attach">0</property>
    <property name="right_attach">1</property>
    <property name="top_attach">0</property>
    <property name="bottom_attach">1</property>
    <property name="x_options">fill</property>
    <property name="y_options"></property>
  </packing>
</child>

<widget>
  <packing>
    <property name="padding">0</property>
    <property name="expand">True</property>
  </packing>
</widget>
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63679
KPX Q comma 0
KPX Q U -10

KPX R Y -35
KPX R W -35
KPX R V -55
KPX R U -30
KPX R T -40
KPX R O -30

KPX S period 0
KPX S comma 0

KPX T y -74
KPX T w -74
KPX T u -92
KPX Tsemicolon -74
KPX T r -74
KPX T period -90
KPX T o -92
KPX T i -18
KPX T hyphen -92
KPX T h 0
KPX T e -92
KPX T comma -74
KPX T colon -74
KPX T a -92
KPX T O -18
KPX T A -90

KPX U period -50
KPX U comma -50
KPX U A -60

KPX V u -92
KPX Vsemicolon -92
KPX V period -145
KPX V o -100
KPX V i -37
KPX V hyphen -74
KPX V e -100
KPX V comma -129
KPX V colon -92
KPX V a -92
KPX V O -45
KPX V G -30
KPX V A -135
KPX y o -25
KPX y e -10
KPX y comma -55
KPX y a 0

KPX z o 0
KPX z e 0
EndKernPairs
EndKernData
StartComposites 58
CC Aacute 2 ; PCC A 0 0 ; PCC acute 188 210 ;
CC Acircumflex 2 ; PCC A 0 0 ; PCC circumflex 188 210 ;
CC Adieresis 2 ; PCC A 0 0 ; PCC dieresis 188 210 ;
CC Agrave 2 ; PCC A 0 0 ; PCC grave 188 210 ;
CC Aring 2 ; PCC A 0 0 ; PCC ring 180 195 ;
CC Atilde 2 ; PCC A 0 0 ; PCC tilde 188 210 ;
CC Ccedilla 2 ; PCC C 0 0 ; PCC cedilla 208 0 ;
CC Eacute 2 ; PCC E 0 0 ; PCC acute 174 210 ;
CC Ecircumflex 2 ; PCC E 0 0 ; PCC circumflex 174 210 ;
CC Edieresis 2 ; PCC E 0 0 ; PCC dieresis 174 210 ;
CC Egrave 2 ; PCC E 0 0 ; PCC grave 174 210 ;
CC Iacute 2 ; PCC I 0 0 ; PCC acute 28 210 ;
CC Icircumflex 2 ; PCC I 0 0 ; PCC circumflex 28 210 ;
CC Idieresis 2 ; PCC I 0 0 ; PCC dieresis 28 210 ;
CC Igrave 2 ; PCC I 0 0 ; PCC grave 28 210 ;
CC Ntilde 2 ; PCC N 0 0 ; PCC tilde 195 210 ;
CC Oacute 2 ; PCC O 0 0 ; PCC acute 223 210 ;
CC Ocircumflex 2 ; PCC O 0 0 ; PCC circumflex 223 210 ;
CC Odieresis 2 ; PCC O 0 0 ; PCC dieresis 223 210 ;
CC Ograve 2 ; PCC O 0 0 ; PCC grave 223 210 ;
CC Otilde 2 ; PCC O 0 0 ; PCC tilde 223 210 ;
CC Scaron 2 ; PCC S 0 0 ; PCC caron 112 210 ;
CC Uacute 2 ; PCC U 0 0 ; PCC acute 222 210 ;
CC Ucircumflex 2 ; PCC U 0 0 ; PCC circumflex 222 210 ;
CC Udieresis 2 ; PCC U 0 0 ; PCC dieresis 222 210 ;
CC Ugrave 2 ; PCC U 0 0 ; PCC grave 222 210 ;
CC Yacute 2 ; PCC Y 0 0 ; PCC acute 77 0 ;
CC Ydieresis 2 ; PCC Y 0 0 ; PCC dieresis 77 0 ;
CC Ucircumflex 2 ; PCC a 0 0 ; PCC circumflex 77 0 ;
CC adieresis 2 ; PCC a 0 0 ; PCC dieresis 77 0 ;
CC agrave 2 ; PCC a 0 0 ; PCC grave 77 0 ;
CC aring 2 ; PCC a 0 0 ; PCC ring 77 0 ;
CC atilde 2 ; PCC a 0 0 ; PCC tilde 77 0 ;
CC ccedilla 2 ; PCC c 0 0 ; PCC cedilla 69 0 ;
CC eacute 2 ; PCC e 0 0 ; PCC acute 62 0 ;
CC ecircumflex 2 ; PCC e 0 0 ; PCC circumflex 62 0 ;
This is the sample data needed for some of matplotlib's examples and docs. See matplotlib.cbook.get_sample_data for more info.

https://github.com/altercation/solarized/blob/master/LICENSE

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# Seaborn muted palette
axes.prop_cycle: cycler('color', ['4878CF', '6ACC65', 'D65F5F', 'B47CC7', 'C4AD66', '77BEDB'])
patch.facecolor: 4878CF
StartFontMetrics 4.1
Comment Creation Date: Thu May 1 15:14:13 1997
Comment UniqueID 43082
Comment VMusage 45775 55535
FontName ZapfDingbats
FullName ITC Zapf Dingbats
FamilyName ZapfDingbats
Weight Medium
ItalicAngle 0
IsFixedPitch false
CharacterSet Special
FontBBox -1 -143 981 820
UnderlinePosition -100
UnderlineThickness 50
Version 002.000
EncodingScheme FontSpecific
StdHW 28
StdVW 90
StartCharMetrics 202
C 32 ; WX 278 ; N space ; B 0 0 0 0 ;
C 33 ; WX 974 ; N a1 ; B 35 72 939 621 ;
C 34 ; WX 961 ; N a2 ; B 35 81 927 611 ;
C 35 ; WX 974 ; N a202 ; B 35 72 939 621 ;
C 36 ; WX 980 ; N a3 ; B 35 0 945 692 ;
C 37 ; WX 719 ; N a4 ; B 34 139 685 566 ;
C 38 ; WX 789 ; N a5 ; B 35 -14 755 705 ;
C 39 ; WX 790 ; N a19 ; B 35 -14 755 705 ;
C 40 ; WX 791 ; N a18 ; B 35 -13 761 705 ;
C 41 ; WX 690 ; N a17 ; B 34 138 655 553 ;
C 42 ; WX 960 ; N a11 ; B 35 123 925 568 ;
C 43 ; WX 939 ; N a12 ; B 35 134 904 559 ;
C 44 ; WX 549 ; N a13 ; B 29 -11 516 705 ;
C 45 ; WX 855 ; N a14 ; B 34 59 820 632 ;
C 46 ; WX 911 ; N a15 ; B 35 50 876 642 ;
C 47 ; WX 933 ; N a16 ; B 35 139 899 550 ;
C 48 ; WX 911 ; N a105 ; B 35 50 876 642 ;
C 49 ; WX 945 ; N a17 ; B 35 139 909 553 ;
C 50 ; WX 974 ; N a18 ; B 35 104 938 587 ;
C 51 ; WX 755 ; N a19 ; B 34 -13 721 705 ;
C 52 ; WX 846 ; N a20 ; B 36 -14 811 705 ;
C 53 ; WX 762 ; N a21 ; B 35 0 727 692 ;
C 54 ; WX 761 ; N a22 ; B 35 0 727 692 ;
C 55 ; WX 571 ; N a23 ; B -1 -68 571 661 ;
C 56 ; WX 677 ; N a24 ; B 36 -13 642 705 ;
C 57 ; WX 763 ; N a25 ; B 35 0 728 692 ;
Creation Date: Tue Jan 21 16:15:53 1992
UniqueID 37833
VMusage 32321 39213
FontName Bookman-Light
FullName ITC Bookman Light
FamilyName ITC Bookman
Weight Light
ItalicAngle 0
IsFixedPitch false
FontBBox -188 -251 1266 908
UnderlinePosition -100
UnderlineThickness 50
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283  63698
KPX A y 32
KPX A w 4
KPX A v 7
KPX A Y -35
KPX A W -40
KPX A V -56
KPX A T 1

KPX F period -46
KPX F comma -41
KPX F A -21

KPX L y 79
KPX L Y 13
KPX L W 1
KPX L V -4
KPX L T 28

KPX P period -60
KPX P comma -55
KPX P A -8

KPX R y 59
KPX R Y 26
KPX R W 13
KPX R V 8
KPX R T 71

KPX T s 16
KPX T r 38
KPX T period -33
KPX T o 15
KPX T i 42
KPX T hyphen 90
KPX T e 13
KPX T comma -28
KPX T c 14
KPX T a 17
KPX T A 1

KPX V y 15
KPX V u -38
KPX V r -41
KPX V period -40
KPX V o -71
KPX V i -20
KPX V hyphen 11
CC scaron 2 ; PCC s 0 0 ; PCC caron 50 0 ;
CC uacute 2 ; PCC u 0 0 ; PCC acute 170 0 ;
CC ucircumflex 2 ; PCC u 0 0 ; PCC circumflex 130 0 ;
CC udieresis 2 ; PCC u 0 0 ; PCC dieresis 130 0 ;
CC ugrave 2 ; PCC u 0 0 ; PCC grave 170 0 ;
CC yacute 2 ; PCC y 0 0 ; PCC acute 100 0 ;
CC ydieresis 2 ; PCC y 0 0 ; PCC dieresis 60 0 ;
CC zcaron 2 ; PCC z 0 0 ; PCC caron 30 0 ;
EndComposites
EndFontMetrics
# Seaborn bright palette
axes.prop_cycle: cycler('color', ['003FFF', '03ED3A', 'E8000B', '8A2BE2', 'FFC400', '00D7FF'])
patch.facecolor: 003FFF
StartFontMetrics 4.1
Comment Creation Date: Thu May 1 17:27:09 1997
Comment UniqueID 43050
Comment VMusage 39754 50779
FontName Courier
FullName Courier
FamilyName Courier
Weight Medium
ItalicAngle 0
IsFixedPitch true
CharacterSet ExtendedRoman
FontBBox -23 -250 715 805
UnderlinePosition -100
UnderlineThickness 50
Version 003.000
EncodingScheme AdobeStandardEncoding
CapHeight 562
XHeight 426
Ascender 629
Descender -157
StdHW 51
StdVW 51
StartCharMetrics 315
C 32 ; WX 600 ; N space ; B 0 0 0 0 ;
C 33 ; WX 600 ; N exclamation ; B 236 -15 364 572 ;
C 34 ; WX 600 ; N quotationdoublequote ; B 187 328 413 562 ;
C 35 ; WX 600 ; N numbersign ; B 93 -32 507 639 ;
C 36 ; WX 600 ; N dollar ; B 105 -126 496 662 ;
C 37 ; WX 600 ; N percent ; B 81 -15 518 622 ;
C 38 ; WX 600 ; N ampersand ; B 63 -15 538 543 ;
C 39 ; WX 600 ; N quotationright ; B 213 328 376 562 ;
C 40 ; WX 600 ; N parenleft ; B 269 -108 440 622 ;
C 41 ; WX 600 ; N parenright ; B 160 -108 331 622 ;
C -1 ; WX 600 ; N Ograve ; B 43 -18 557 805 ;
C -1 ; WX 600 ; N Agrave ; B 3 0 597 805 ;
C -1 ; WX 600 ; N Abreve ; B 3 0 597 732 ;
C -1 ; WX 600 ; N multiply ; B 87 43 515 470 ;
C -1 ; WX 600 ; N uacute ; B 21 -15 562 672 ;
C -1 ; WX 600 ; N Tcaron ; B 38 0 563 802 ;
C -1 ; WX 600 ; N partialdiff ; B 17 -38 459 710 ;
C -1 ; WX 600 ; N ydieresis ; B 7 -157 592 620 ;
C -1 ; WX 600 ; N Nacute ; B 7 -13 593 805 ;
C -1 ; WX 600 ; N icircumflex ; B 94 0 505 654 ;
C -1 ; WX 600 ; N plusminus ; B 87 44 513 558 ;
C -1 ; WX 600 ; N nmacron ; B 26 0 575 672 ;
C -1 ; WX 600 ; N ngrave ; B 66 -15 548 620 ;
C -1 ; WX 600 ; N cacute ; B 60 0 559 672 ;
C -1 ; WX 600 ; N racute ; B 60 0 559 672 ;
C -1 ; WX 600 ; N vacute ; B 62 -15 538 656 ;
C -1 ; WX 600 ; N Eacute ; B 66 -15 548 672 ;
C -1 ; WX 600 ; N ntilde ; B 99 0 502 710 ;
C -1 ; WX 600 ; N Ncircumflex ; B 43 -18 557 787 ;
C -1 ; WX 600 ; N Ngrave ; B 43 -18 557 805 ;
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63713
KPX r m 18
KPX r hyphen -55
KPX r h 0
KPX r g 0
KPX r f 18
KPX r e -18
KPX r d -18
KPX r comma -92
KPX r e -18

KPX v period -74
KPX v comma -74

KPX w period -55
KPX w comma -55

KPX y period -92
KPX y comma -92

EndKernPairs
EndKernData

StartComposites 58
CC Zcaron 2 ; PCC Z 0 0 ; PCC caron 139 202 ;
CC zcaron 2 ; PCC z 0 0 ; PCC caron 83 0 ;
CC Scaron 2 ; PCC S 0 0 ; PCC caron 139 202 ;
CC scaron 2 ; PCC s 0 0 ; PCC caron 83 0 ;
CC Ccedilla 2 ; PCC C 0 0 ; PCC cedilla 194 0 ;
CC ccedilla 2 ; PCC c 0 0 ; PCC cedilla 111 0 ;
CC Yacute 2 ; PCC Y 0 0 ; PCC acute 139 202 ;
CC yacute 2 ; PCC y 0 0 ; PCC acute 83 0 ;
CC Ydieresis 2 ; PCC Y 0 0 ; PCC dieresis 139 202 ;
CC ydieresis 2 ; PCC y 0 0 ; PCC dieresis 83 0 ;
CC Uacute 2 ; PCC U 0 0 ; PCC acute 194 202 ;
CC Ucircumflex 2 ; PCC U 0 0 ; PCC circumflex 194 202 ;
CC Udieresis 2 ; PCC U 0 0 ; PCC dieresis 194 202 ;
CC Ugrave 2 ; PCC U 0 0 ; PCC grave 194 202 ;
CC uacute 2 ; PCC u 0 0 ; PCC acute 111 0 ;
CC ucircumflex 2 ; PCC u 0 0 ; PCC circumflex 111 0 ;
CC udieresis 2 ; PCC u 0 0 ; PCC dieresis 111 0 ;
CC ugrave 2 ; PCC u 0 0 ; PCC grave 111 0 ;
CC Iacute 2 ; PCC I 0 0 ; PCC acute -47 202 ;
CC Icircumflex 2 ; PCC I 0 0 ; PCC circumflex -47 202 ;
CC Idieresis 2 ; PCC I 0 0 ; PCC dieresis -47 202 ;
CC Igrave 2 ; PCC I 0 0 ; PCC grave -47 202 ;
CC iacute 2 ; PCC dotlessi 0 0 ; PCC acute -75 0 ;
CC icircumflex 2 ; PCC dotlessi 0 0 ; PCC circumflex -75 0 ;
CC idieresis 2 ; PCC dotlessi 0 0 ; PCC dieresis -75 0 ;
CC igrave 2 ; PCC dotlessi 0 0 ; PCC grave -55 0 ;
CC Eacute 2 ; PCC E 0 0 ; PCC acute 139 202 ;
KPX A w -18
KPX A v -18
KPX A u -18
KPX A quoteright -125
KPX A quotedblright -125
KPX A Y -55
KPX A W -74
KPX A V -74
KPX A U -37
KPX A T -30
KPX A Q -18
KPX A O -18
KPX A G -18
KPX A C -18

KPX B period -50
KPX B comma -50

KPX C period -50
KPX C comma -50

KPX D period -50
KPX D comma -50
KPX D Y -18
KPX D W -18
KPX D V -18

KPX F r -55
KPX F period -125
KPX F o -55
KPX F i -10
KPX F e -55
KPX F comma -125
KPX F a -55
KPX F A -35

KPX G period -50
KPX G comma -50

KPX J u -18
KPX J period -100
KPX J o -37
KPX J e -37
KPX J comma -100
KPX J a -37
KPX J A -18

KPX L y -50
KPX T a -74
KPX T O 18

KPX U period -100
KPX U comma -100
KPX U A -18

KPX V u -75
KPX V semicolon -75
KPX V period -100
KPX V o -75
KPX V i -50
KPX V hyphen -100
KPX V e -75
KPX V comma -100
KPX V colon -75
KPX V a -75
KPX V A -37

KPX W y -55
KPX W u -55
KPX W semicolon -75
KPX W period -100
KPX W o -55
KPX W i -20
KPX W hyphen -75
KPX W h -20
KPX W e -55
KPX W comma -100
KPX W colon -75
KPX W a -55
KPX W A -55

KPX Y u -100
KPX Y semicolon -75
KPX Y period -100
KPX Y o -100
KPX Y i -25
KPX Y hyphen -100
KPX Y e -100
KPX Y comma -100
KPX Y colon -75
KPX Y a -100
KPX Y A -55

KPX b period -50
KPX b comma -50
KPX b b -10
KPX c period -50
KPX c k -18
KPX c h -18
KPX c comma -50

KPX colon space -37
KPX comma space -37
KPX comma quotedblright -37
KPX e period -37
KPX e comma -37

KPX f quoteright 75
KPX f quotedblright 75
KPX f period -75
KPX f o -10
KPX f comma -75

KPX g period -50
KPX g comma -50

KPX ly -10

KPX o period -50
KPX o comma -50

KPX p period -50
KPX p comma -50

KPX period space -37
KPX period quoteright -37
KPX period quotedblright -37

KPX quotedblleft A -75

KPX quotedblright space -37

KPX quoteleft quoteleft -37
KPX quoteleft A -75

KPX quoteright s -25
KPX quoteright quoteright -37
KPX quoteright d -37

KPX r semicolon -25

EncodingScheme AdobeStandardEncoding
CapHeight 718
XHeight 532
Ascender 718
Descender -207
StdHW 118
StdVW 140
StartCharMetrics 315
C 32 ; WX 278 ; N space ; B 0 0 0 0 ;
C 33 ; WX 333 ; N exclaim ; B 90 0 244 718 ;
C 34 ; WX 474 ; N quotedbl ; B 98 447 376 718 ;
C 35 ; WX 556 ; N numbersign ; B 18 0 538 698 ;
C 36 ; WX 556 ; N dollar ; B 30 -115 523 775 ;
C 37 ; WX 889 ; N percent ; B 28 -19 861 710 ;
C 38 ; WX 722 ; N ampersand ; B 54 -19 701 718 ;
C 39 ; WX 278 ; N quoteright ; B 69 445 209 718 ;
C 40 ; WX 333 ; N parenleft ; B 35 -208 314 734 ;
C 41 ; WX 333 ; N parenright ; B 19 -208 298 734 ;
C 42 ; WX 389 ; N asterisk ; B 69 387 362 718 ;
C 43 ; WX 584 ; N plus ; B 40 0 544 506 ;
C 44 ; WX 278 ; N comma ; B 64 -168 214 146 ;
C 45 ; WX 333 ; N hyphen ; B 27 215 306 345 ;
C 46 ; WX 278 ; N period ; B 64 0 214 146 ;
C 47 ; WX 278 ; N slash ; B -33 -19 311 737 ;
C 48 ; WX 556 ; N zero ; B 32 -19 524 710 ;
C 49 ; WX 556 ; N one ; B 69 0 378 710 ;
C 50 ; WX 556 ; N two ; B 26 0 511 710 ;
C 51 ; WX 556 ; N three ; B 27 19 516 710 ;
C 52 ; WX 556 ; N four ; B 27 0 526 710 ;
C 53 ; WX 556 ; N five ; B 27 -19 516 698 ;
C 54 ; WX 556 ; N six ; B 31 -19 520 710 ;
C 55 ; WX 556 ; N seven ; B 25 0 528 698 ;
C 56 ; WX 556 ; N eight ; B 32 -19 524 710 ;
C 57 ; WX 556 ; N nine ; B 30 -19 522 710 ;
C 58 ; WX 333 ; N colon ; B 92 0 242 512 ;
C 59 ; WX 333 ; N semicolon ; B 92 -168 242 512 ;
C 60 ; WX 584 ; N less ; B 38 -8 546 514 ;
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63736
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63739

EndCharMetrics
StartKernData
KPX Aacute ydieresis -30
KPX Abreve C -40
KPX Abreve Cacute -40
KPX Abreve Ccaron -40
KPX Abreve Ccedilla -40
KPX Abreve G -50
KPX Abreve G breve -50
KPX Abreve Gcommaaccent -50
KPX Abreve O -40
KPX Abreve Oacute -40
KPX Abreve Ocircumflex -40
KPX Abreve Odieresis -40
KPX Abreve Ograve -40
KPX Abreve Ohungarumlaut -40
KPX Abreve Omacron -40
KPX Abreve Oslash -40
KPX Abreve Otilde -40
KPX Abreve Q -40
KPX Abreve T -90
KPX Abreve Tcaron -90
KPX Abreve Tcommaaccent -90
KPX Abreve U -50
KPX Abreve Uacute -50
KPX Abreve Ucircumflex -50
KPX Abreve Udieresis -50
KPX Abreve Ugrave -50
KPX Abreve Uhungarumlaut -50
KPX Abreve Umacron -50
KPX Abreve Uogonek -50
KPX Abreve Uring -50
KPX Abreve V -40
KPX Abreve W -30
KPX Abreve Y -30
KPX Abreve Yacute -30
KPX Abreve Ydieresis -30
KPX Abreve u -30
KPX Abreve uacute -30
KPX Abreve ucircumflex -30
KPX Abreve udieresis -30
KPX Abreve ugrave -30
KPX Abreve uhungarumlaut -30
KPX Abreve umacron -30
KPX Abreve uogonek -30
KPX Abreve uring -30
KPX Abreve v -40
KPX Abreve w -30
KPX Abreve y -30
KPX Abreve yacute -30
KPX Adieresis ydiereis -30
KPX Agrave C -40
KPX Agrave Cacute -40
KPX Agrave Ccaron -40
KPX Agrave Ccedilla -40
KPX Agrave G -50
KPX Agrave Gibreve -50
KPX Agrave Gmacron -40
KPX Agrave Oacute -40
KPX Agrave Ocircumflex -40
KPX Agrave Odieresis -40
KPX Agrave Ograve -40
KPX Agrave Ohungarumlaut -40
KPX Agrave Omacron -40
KPX Agrave Oslash -40
KPX Agrave Otilde -40
KPX Agrave Q -40
KPX Agrave T -90
KPX Agrave Tcaron -90
KPX Agrave Tcommaaccent -90
KPX Agrave U -50
KPX Agrave Uacute -50
KPX Agrave Ucircumflex -50
KPX Agrave Udieresis -50
KPX Agrave Ugrave -50
KPX Agrave Uhungarumlaut -50
KPX Agrave Umacron -50
KPX Agrave Uogonek -50
KPX Agrave Uring -50
KPX Agrave V -80
KPX Agrave W -60
KPX Agrave Y -110
KPX Agrave Yacutec -110
KPX Agrave Ydieresis -110
KPX Agrave u -30
KPX Agrave uacute -30
KPX Agrave ucircumflex -30
KPX Agrave udieresis -30
KPX Agrave umerase -30
KPX Agrave uhungarumlaut -30
KPX Agrave umacron -30
KPX Agrave uogonek -30
KPX Agrave uring -30
KPX Agrave v -40
KPX Agrave w -30
KPX Agrave y -30
KPX Agrave yacute -30
KPX Aring ydieresis -30
KPX Atilde C -40
KPX Atilde Cacute -40
KPX Atilde Ccaron -40
KPX Atilde Ccedilla -40
KPX Atilde G -50
KPX Atilde Gbreve -50
KPX Atilde Gcommaaccent -50
KPX Atilde O -40
KPX Atilde Oacute -40
KPX Atilde Ocircumflex -40
KPX Atilde Odieresis -40
KPX Atilde Ohgrave -40
KPX Atilde Ohungarumlaut -40
KPX Atilde Omacron -40
KPX Atilde Oslash -40
KPX Atilde Otilde -40
KPX Atilde Q -40
KPX Atilde T -90
KPX Atilde Tcaron -90
KPX Atilde Tcommaaccent -90
KPX Atilde U -50
KPX Atilde Uacute -50
KPX Atilde Ucircumflex -50
KPX Atilde Udieresis -50
KPX Atilde Ugrave -50
KPX Atilde Uhungarumlaut -50
KPX Atilde Umacron -50
KPX Atilde Uogonek -50
KPX Atilde Uring -50
KPX Atilde V -80
KPX Atilde W -60
KPX Atilde Y -110
KPX Atilde Yacute -110
KPX Atilde Ydieresis -110
KPX Atilde u -30
KPX Atilde uacute -30
KPX Atilde ucircumflex -30
KPX Atilde udieresis -30
KPX Atilde ugrave -30
KPX Atilde uhungarumlaut -30
KPX Atilde umacron -30
KPX Atilde uogonek -30
KPX Atilde uring -30
KPX Atilde v -40
KPX Atilde w -30
KPX Atilde y -30
KPX Atilde yacute -30
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63755
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63762
KPX Tcaron Omacron -40
KPX Tcaron Oslash -40
KPX Tcaron Otilde -40
KPX Tcaron a -80
KPX Tcaron aacute -80
KPX Tcaron abreve -80
KPX Tcaron acircumflex -80
KPX Tcaron adieresis -80
KPX Tcaron agrave -80
KPX Tcaron amacron -80
KPX Tcaron aogonek -80
KPX Tcaron aring -80
KPX Tcaron atrilde -80
KPX Tcaron colon -40
KPX Tcaron comma -80
KPX Tcaron e -60
KPX Tcaron ecute -60
KPX Tcaron ecaron -60
KPX Tcaron emacron -60
KPX Tcaron eogonek -60
KPX Tcaron hyphen -120
KPX Tcaron o -80
KPX Tcaron oacute -80
KPX Tcaron ocircumflex -80
KPX Tcaron odieresis -80
KPX Tcaron ograve -80
KPX Tcaron ohungarumlaut -80
KPX Tcaron omacron -80
KPX Tcaron oslash -80
KPX Tcaron otilde -80
KPX Tcaron period -80
KPX Tcaron r -80
KPX Tcaron racute -80
KPX Tcaron rcommaaccent -80
KPX Tcaron semicolon -40
KPX Tcaron u -90
KPX Tcaron uacute -90
KPX Tcaron ucircumflex -90
KPX Tcaron udieresis -90
KPX Tcaron ugrave -90
KPX Tcaron uhungarumlaut -90
KPX Tcaron umacron -90
KPX Tcaron uogonek -90
KPX Tcaron uring -90
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63775
KPX ograve w -15
KPX ograve x -30
KPX ograve y -20
KPX ograve yacute -20
KPX ograve ydieresis -20
KPX ohungarumlaut v -20
KPX ohungarumlaut w -15
KPX ohungarumlaut x -30
KPX ohungarumlaut y -20
KPX ohungarumlaut yacute -20
KPX ohungarumlaut ydieresis -20
KPX omacron v -20
KPX omacron w -15
KPX omacron x -30
KPX omacron y -20
KPX omacron yacute -20
KPX omacron ydieresis -20
KPX oslash v -20
KPX oslash w -15
KPX oslash x -30
KPX oslash y -20
KPX oslash yacute -20
KPX oslash ydieresis -20
KPX otilde v -20
KPX otilde w -15
KPX otilde x -30
KPX otilde y -20
KPX otilde yacute -20
KPX otilde ydieresis -20
KPX p y -15
KPX p yacute -15
KPX p ydieresis -15
KPX period quotedblright -120
KPX period quoteright -120
KPX period space -40
KPX quotedblright space -80
KPX quoteleft quoteleft -46
KPX quoteright d -80
KPX quoteright dcroat -80
KPX quoteright l -20
KPX quoteright lacute -20
KPX quoteright lcommaaccent -20
KPX quoteright lslash -20
KPX quoteright quoteright -46
KPX quoteright r -40
KPX quoteright racute -40
KPX quoteright rcaron -40
KPX quoteright rcommaaccent -40
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283  63785
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63795
KPX J e -40
KPX J comma -10
KPX J a -40
KPX J A -25

KPX K y -20
KPX K u -20
KPX K o -25
KPX K e -25
KPX K O -30

KPX L y -37
KPX L quotedright -55
KPX L quotedblright 0
KPX L Y -37
KPX L W -37
KPX L V -37
KPX L T -18

KPX N period 0
KPX N comma 0
KPX N A -30

KPX O period 0
KPX O comma 0
KPX O Y -50
KPX O X -40
KPX O W -50
KPX O V -50
KPX O T -40
KPX O A -40

KPX P period -129
KPX P o -55
KPX P e -50
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KPX P A -85

KPX Q period 0
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KPX Q U -10

KPX R Y -18
KPX R W -18
KPX R V -18
KPX R U -40
KPX R T -30
KPX W e -90
KPX W comma -74
KPX W colon -55
KPX W a -85
KPX W O -15
KPX W A -74

KPX Y u -92
KPX Y semicolon -92
KPX Y period -74
KPX Y o -111
KPX Y i -55
KPX Y hyphen -92
KPX Y e -111
KPX Y comma -92
KPX Y colon -92
KPX Y a -92
KPX Y O -25
KPX Y A -74

KPX a y 0
KPX a w 0
KPX a v 0
KPX a t 0
KPX a p 0
KPX a g 0
KPX a b 0

KPX b y 0
KPX b v 0
KPX b u -20
KPX b period -40
KPX b l 0
KPX b comma 0
KPX b b -10

KPX c y 0
KPX c period 0
KPX c l 0
KPX c k -10
KPX c h -10
KPX c comma 0

KPX colon space 0
KPX comma space 0
KPX comma quoteright -95
KPX comma quotedblright -95
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63804

EndKernData
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CC Eacute 2 ; PCC E 0 0 ; PCC acute 172 207 ;
CC Ecircumflex 2 ; PCC E 0 0 ; PCC circumflex 187 207 ;
CC Edieresis 2 ; PCC E 0 0 ; PCC dieresis 187 207 ;
CC Egrave 2 ; PCC E 0 0 ; PCC grave 172 207 ;
CC Iacute 2 ; PCC I 0 0 ; PCC acute 33 207 ;
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CC Ocircumflex 2 ; PCC O 0 0 ; PCC circumflex 230 207 ;
CC Odieresis 2 ; PCC O 0 0 ; PCC dieresis 215 207 ;
CC Ograve 2 ; PCC O 0 0 ; PCC grave 200 207 ;
CC Otilde 2 ; PCC O 0 0 ; PCC tilde 215 207 ;
CC Scaron 2 ; PCC S 0 0 ; PCC caron 112 207 ;
CC Uacute 2 ; PCC U 0 0 ; PCC acute 210 207 ;
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CC Udieresis 2 ; PCC U 0 0 ; PCC dieresis 230 207 ;
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CC adieresis 2 ; PCC a 0 0 ; PCC dieresis 74 0 ;
CC agrave 2 ; PCC a 0 0 ; PCC grave 74 0 ;
CC aring 2 ; PCC a 0 0 ; PCC ring 84 0 ;
CC atilde 2 ; PCC a 0 0 ; PCC tilde 84 0 ;
CC ccedilla 2 ; PCC c 0 0 ; PCC cedilla 56 0 ;
CC eacute 2 ; PCC e 0 0 ; PCC acute 56 0 ;
CC ecircumflex 2 ; PCC e 0 0 ; PCC circumflex 56 0 ;
CC edieresis 2 ; PCC e 0 0 ; PCC dieresis 46 0 ;
CC egrave 2 ; PCC e 0 0 ; PCC grave 46 0 ;
CC iacute 2 ; PCC dotlessi 0 0 ; PCC acute -27 0 ;
CC icircumflex 2 ; PCC dotlessi 0 0 ; PCC circumflex -42 0 ;
CC idieresis 2 ; PCC dotlessi 0 0 ; PCC dieresis -37 0 ;
CC igrave 2 ; PCC dotlessi 0 0 ; PCC grave -37 0 ;
CC ntilde 2 ; PCC n 0 0 ; PCC tilde 97 0 ;
CC oacute 2 ; PCC o 0 0 ; PCC acute 84 0 ;
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<orient>wxVERTICAL</orient>
<object class="sizeritem">
<object class="wxStaticText">
<label>Check out this whizz-bang stuff!</label>
<style>wxALIGN_CENTRE</style>
</object>
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<flag>wxALL|wxEXPAND</flag>
<border>5</border>
</object>
<object class="sizeritem">
<object class="wxButton" name="whiz_button">
<label>whiz</label>
<option>0</option>
<flag>wxALL|wxEXPAND</flag>
<border>2</border>
</object>
<object class="sizeritem">
<object class="wxButton" name="bang_button">
<label>bang</label>
<option>0</option>
<flag>wxALL|wxEXPAND</flag>
<border>2</border>
</object>
</object>
</object>
</resource>
# This file is best viewed in a editor which supports python mode
# syntax highlighting. Blank lines, or lines starting with a comment
# symbol, are ignored, as are trailing comments. Other lines must
# have the format
#   key : val # optional comment
#
# Colors: for the color values below, you can either use - a
# matplotlib color string, such as r, k, or b - an rgb tuple, such as
# (1.0, 0.5, 0.0) - a hex string, such as ff00ff - a scalar
# grayscale intensity such as 0.75 - a legal html color name, e.g., red,
# blue, darkslategray

#### CONFIGURATION BEGINS HERE

# The default backend; one of GTK GTKAgg GTKCairo GTK3Agg GTK3Cairo
# MacOSX Qt4Agg Qt5Agg TkAgg WX WXAgg Agg Cairo GDK PS PDF SVG
# Template.
# You can also deploy your own backend outside of matplotlib by
# referring to the module name (which must be in the PYTHONPATH) as
# 'module://my_backend'.
#
# If you omit this parameter, it will always default to "Agg", which is a
# non-interactive backend.
backend : qt5agg

# If you are using the Qt4Agg backend, you can choose here
# to use the PyQt4 bindings or the newer PySide bindings to
# the underlying Qt4 toolkit.
backend.qt4 : PyQt4 # PyQt4 | PySide

# Note that this can be overridden by the environment variable
# QT_API used by Enthought Tool Suite (ETS); valid values are
# "pyqt" and "pyside". The "pyqt" setting has the side effect of
# forcing the use of Version 2 API for QString and QVariant.

# The port to use for the web server in the WebAgg backend.
# webagg.port : 8888

# If webagg.port is unavailable, a number of other random ports will
# be tried until one that is available is found.
# webagg.port_retries : 50

# When True, open the webbrowser to the plot that is shown
# webagg.open_in_browser : True

# When True, the figures rendered in the nbagg backend are created with
# a transparent background.
# nbagg.transparent : False
# if you are running pyplot inside a GUI and your backend choice
# conflicts, we will automatically try to find a compatible one for
# you if backend_fallback is True
# backend_fallback: True

#interactive : False
#toolbar : toolbar2  # None | toolbar2 ("classic" is deprecated)
#timezone : UTC      # a pytz timezone string, e.g., US/Central or Europe/Paris

# Where your matplotlib data lives if you installed to a non-default
# location. This is where the matplotlib fonts, bitmaps, etc reside
#datapath : /home/jdhunter/mpldata

### LINES
# See http://matplotlib.org/api/artist_api.html#module-matplotlib.lines for more
# information on line properties.
#lines.linewidth : 1.5     # line width in points
#lines.linestyle : -       # solid line
#lines.color : C0          # has no affect on plot(); see axes.prop_cycle
#lines.marker : None       # the default marker
#lines.markeredgewidth : 1.0   # the line width around the marker symbol
#lines.markersize : 6       # markersize, in points
#lines.dash_joinstyle : miter # miter|round|bevel
#lines.dash_capstyle : butt # butt|round|projecting
#lines.solid_joinstyle : miter # miter|round|bevel
#lines.solid_capstyle : projecting # butt|round|projecting
#lines.antialiased : True   # render lines in antialiased (no jaggies)

# The three standard dash patterns. These are scaled by the linewidth.
#lines.dashed_pattern : 2.8, 1.2
#lines.dashdot_pattern : 4.8, 1.2, 0.8, 1.2
#lines.dotted_pattern : 1.1, 1.1
#lines.scale_dashes : True

#markers.fillstyle: full # full|left|right|bottom|top|none

### PATCHES
# Patches are graphical objects that fill 2D space, like polygons or
# circles. See
# http://matplotlib.org/api/artist_api.html#module-matplotlib.patches
# information on patch properties
#patch.linewidth : 1     # edge width in points.
#patch.facecolor : C0     # has no affect on plot(); see axes.prop_cycle
#patch.edgecolor : black  # if forced, or patch is not filled
#patch.force_edgecolor : False # True to always use edgecolor
#patch.antialiased : True  # render patches in antialiased (no jaggies)
### HATCHES
#hatch.color : k
#hatch.linewidth : 1.0

### Boxplot
#boxplot.notch : False
#boxplot.vertical : True
#boxplot.whiskers : 1.5
#boxplot.bootstrap : None
#boxplot.patchartist : False
#boxplot.showmeans : False
#boxplot.showcaps : True
#boxplot.showbox : True
#boxplot.showfliers : True
#boxplot.meanline : False

#boxplot.flierprops.color : 'k'
#boxplot.flierprops.marker : 'o'
#boxplot.flierprops.markerfacecolor : 'none'
#boxplot.flierprops.markeredgecolor : 'k'
#boxplot.flierprops.markersize : 6
#boxplot.flierprops.linestyle : 'none'
#boxplot.flierprops.linewidth : 1.0

#boxplot.boxprops.color : 'k'
#boxplot.boxprops.linewidth : 1.0
#boxplot.boxprops.linestyle : '-'

#boxplot.whiskerprops.color : 'k'
#boxplot.whiskerprops.linewidth : 1.0
#boxplot.whiskerprops.linestyle : '-'

#boxplot.capprops.color : 'k'
#boxplot.capprops.linewidth : 1.0
#boxplot.capprops.linestyle : '-'

#boxplot.medianprops.color : 'C1'
#boxplot.medianprops.linewidth : 1.0
#boxplot.medianprops.linestyle : '-'

#boxplot.meanprops.color : 'C2'
#boxplot.meanprops.marker : '^'
#boxplot.meanprops.markerfacecolor : 'C2'
#boxplot.meanprops.markeredgecolor : 'C2'
#boxplot.meanprops.markersize : 6
#boxplot.meanprops.linestyle : 'none'
#boxplot.meanprops.linewidth : 1.0
### FONT

#
# font properties used by text.Text. See
# http://matplotlib.org/api/font_manager_api.html for more
# information on font properties. The 6 font properties used for font
# matching are given below with their default values.
#
# The font.family property has five values: 'serif' (e.g., Times),
# 'sans-serif' (e.g., Helvetica), 'cursive' (e.g., Zapf-Chancery),
# 'fantasy' (e.g., Western), and 'monospace' (e.g., Courier). Each of
# these font families has a default list of font names in decreasing
# order of priority associated with them. When text.usetex is False,
# font.family may also be one or more concrete font names.
#
# The font.style property has three values: normal (or roman), italic
# or oblique. The oblique style will be used for italic, if it is not
# present.
#
# The font.variant property has two values: normal or small-caps. For
# TrueType fonts, which are scalable fonts, small-caps is equivalent
# to using a font size of 'smaller', or about 83% of the current font
# size.
#
# The font.weight property has effectively 13 values: normal, bold,
# bolder, lighter, 100, 200, 300, ..., 900. Normal is the same as
# 400, and bold is 700. bolder and lighter are relative values with
# respect to the current weight.
#
# The font.stretch property has 11 values: ultra-condensed,
# extra-condensed, condensed, semi-condensed, normal, semi-expanded,
# expanded, extra-expanded, ultra-expanded, wider, and narrower. This
# property is not currently implemented.
#
# The font.size property is the default font size for text, given in pts.
# 10 pt is the standard value.
#
# font.family : sans-serif
# font.style : normal
# font.variant : normal
# font.weight : medium
# font.stretch : normal
# note that font.size controls default text sizes. To configure
# special text sizes tick labels, axes, labels, title, etc, see the rc
# settings for axes and ticks. Special text sizes can be defined
# relative to font.size, using the following values: xx-small, x-small,
# small, medium, large, x-large, xx-large, larger, or smaller
# font.size : 10.0
#font.serif          : DejaVu Serif, Bitstream Vera Serif, New Century Schoolbook, Century Schoolbook L, Utopia, ITC Bookman, Bookman, Nimbus Roman No9 L, Times New Roman, Times, Palatino, Charter, serif
#font.sans-serif     : DejaVu Sans, Bitstream Vera Sans, Lucida Grande, Verdana, Geneva, Lucid, Arial, Helvetica, Avant Garde, sans-serif
#font.cursive        : Apple Chancery, Textile, Zapf Chancery, Sand, Script MT, Felipa, cursive
#font.fantasy        : Comic Sans MS, Chicago, Charcoal, Impact, Western, Humor Sans, xkcd, fantasy
#font.monospace      : DejaVu Sans Mono, Bitstream Vera Sans Mono, Andale Mono, Nimbus Mono L, Courier New, Courier, Fixed, Terminal, monospace

### TEXT
# text properties used by text.Text. See
# http://matplotlib.org/api/artist_api.html#module-matplotlib.text for more
# information on text properties

#text.color          : black

### LaTeX customizations. See http://wiki.scipy.org/Cookbook/Matplotlib/UsingTex
#text.usetex         : False  # use latex for all text handling. The following fonts
# are supported through the usual rc parameter settings:
# new century schoolbook, bookman, times, palatino,
# zapf chancery, charter, serif, sans-serif, helvetica,
# avant garde, courier, monospace, computer modern roman,
# computer modern sans serif, computer modern typewriter
# If another font is desired which can loaded using the
# LaTeX \usepackage command, please inquire at the
# matplotlib mailing list
#text.latex.unicode : False # use "ucs" and "inputenc" LaTeX packages for handling
# unicode strings.
#text.latex.preamble :  # IMPROPER USE OF THIS FEATURE WILL LEAD TO LATEX FAILURES
# AND IS THEREFORE UNSUPPORTED. PLEASE DO NOT ASK FOR HELP
# IF THIS FEATURE DOES NOT DO WHAT YOU EXPECT IT TO.
# preamble is a comma separated list of LaTeX statements
# that are included in the LaTeX document preamble.
# An example:
# text.latex.preamble : \usepackage{bm},\usepackage{euler}
# The following packages are always loaded with usetex, so
# beware of package collisions: color, geometry, graphix,
# type1cm, textcomp. Adobe Postscript (PSSNFS) font packages
# may also be loaded, depending on your font settings
#text.hinting : auto   # May be one of the following:
#   'none': Perform no hinting
#   'auto': Use FreeType's autohinter
#   'native': Use the hinting information in the
#          font file, if available, and if your
#          FreeType library supports it
#   'either': Use the native hinting information,
#          or the autohinter if none is available.
# For backward compatibility, this value may also be
# True === 'auto' or False === 'none'.
#text.hinting_factor : 8 # Specifies the amount of softness for hinting in the
  # horizontal direction. A value of 1 will hint to full
  # pixels. A value of 2 will hint to half pixels etc.

#text.antialiased : True # If True (default), the text will be antialiased.
  # This only affects the Agg backend.

# The following settings allow you to select the fonts in math mode.
# They map from a TeX font name to a fontconfig font pattern.
# These settings are only used if mathtext.fontset is 'custom'.
# Note that this "custom" mode is unsupported and may go away in the
# future.
#mathtext.cal : cursive
#mathtext.rm : serif
#mathtext.tt : monospace
#mathtext.it : serif:italic
#mathtext.bf : serif:bold
#mathtext.sf : sans
#mathtext.fontset : dejavusans # Should be 'dejavusans' (default),
  # 'dejavuserif', 'cm' (Computer Modern), 'stix',
  # 'stixsans' or 'custom'
#mathtext.fallback_to_cm : True  # When True, use symbols from the Computer Modern
  # fonts when a symbol can not be found in one of
  # the custom math fonts.

#mathtext.default : it # The default font to use for math.
  # Can be any of the LaTeX font names, including
  # the special name "regular" for the same font
  # used in regular text.

### AXES
# default face and edge color, default tick sizes,
# default fontsize for ticklabels, and so on. See
# http://matplotlib.org/api/axes_api.html#module-matplotlib.axes
#axes.facecolor : white # axes background color
#axes.edgecolor : black # axes edge color
#axes.linewidth : 0.8 # edge linewidth
#axes.grid : False # display grid or not
#axes.titlesize : large # fontsize of the axes title
#axes.titlepad : 6.0 # pad between axes and title in points
#axes.labelsize : medium # fontsize of the x any y labels
#axes.labelpad : 4.0 # space between label and axis
#axes.labelweight : normal # weight of the x and y labels
#axes.labelcolor : black
#axes.axisbelow : 'line' # draw axis gridlines and ticks below
  # patches (True); above patches but below
  # lines ('line'); or above all (False)
#axes.formatter.limits : -7, 7 # use scientific notation if log10
    # of the axis range is smaller than the
    # first or larger than the second
#axes.formatter.use_locale : False # When True, format tick labels
    # according to the user's locale.
    # For example, use ',' as a decimal
    # separator in the fr_FR locale.
#axes.formatter.use_mathtext : False # When True, use mathtext for scientific
    # notation.
#axes.formatter.min_exponent: 0 # minimum exponent to format in scientific notation
#axes.formatter.useoffset : True  # If True, the tick label formatter
    # will default to labeling ticks relative
    # to an offset when the data range is
    # small compared to the minimum absolute
    # value of the data.
#axes.formatter.offset_threshold : 4  # When useoffset is True, the offset
    # will be used when it can remove
    # at least this number of significant
    # digits from tick labels.

# axes.spines.left    : True  # display axis spines
# axes.spines.bottom : True
# axes.spines.top     : True
# axes.spines.right   : True

#axes.unicode_minus  : True    # use unicode for the minus symbol
    # rather than hyphen. See
    # http://en.wikipedia.org/wiki/Plus_and_minus_signs#Character_codes
# axes.prop_cycle    : cycler('color', ['1f77b4', 'ff7f0e', '2ca02c', 'd62728', '9467bd', '8c564b', 'e377c2', '7f7f7f',
    'bcbd22', '17becf'])
    # color cycle for plot lines as list of string
    # colorspecs: single letter, long name, or web-style hex
#axes.autolimit_mode : data # How to scale axes limits to the data.
    # Use "data" to use data limits, plus some margin
    # Use "round_number" move to the nearest "round" number
#axes.xmargin        : .05  # x margin.  See `axes.Axes.margins`
#axes.ymargin        : .05  # y margin See `axes.Axes.margins`

#polaraxes.grid      : True    # display grid on polar axes
#axes3d.grid         : True    # display grid on 3d axes

### DATES
# These control the default format strings used in AutoDateFormatter.
# Any valid format datetime format string can be used (see the python
# "datetime" for details). For example using "%%x" will use the locale date representation
# "%%X" will use the locale time representation and "%%c" will use the full locale datetime
# These values map to the scales:
# {'year': 365, 'month': 30, 'day': 1, 'hour': 1/24, 'minute': 1 / (24 * 60)}

# date.autoformatter.year     : %Y
# date.autoformatter.month    : %Y-%m
# date.autoformatter.day      : %Y-%m-%d
# date.autoformatter.hour     : %m-%d %H
# date.autoformatter.minute   : %d %H:%M
# date.autoformatter.second   : %H:%M:%S
# date.autoformatter.microsecond : %M:%S.%f

### TICKS
# see http://matplotlib.org/api/axis_api.html#matplotlib.axis.Tick
#xtick.top : False   # draw ticks on the top side
#xtick.bottom : True  # draw ticks on the bottom side
#xtick.major.size : 3.5  # major tick size in points
#xtick.minor.size : 2   # minor tick size in points
#xtick.major.width : 0.8  # major tick width in points
#xtick.minor.width : 0.6   # minor tick width in points
#xtick.major.pad : 3.5    # distance to major tick label in points
#xtick.minor.pad : 3.4   # distance to the minor tick label in points
#xtick.color : k        # color of the tick labels
#xtick.labelsize : medium # fontsize of the tick labels
#xtick.direction : out   # direction: in, out, or inout
#xtick.minor.visible : False  # visibility of minor ticks on x-axis
#xtick.major.top : True  # draw x axis top major ticks
#xtick.major.bottom : True   # draw x axis bottom major ticks
#xtick.minor.top : True  # draw x axis top minor ticks
#xtick.minor.bottom : True   # draw x axis bottom minor ticks

#ytick.left : True  # draw ticks on the left side
#ytick.right : False # draw ticks on the right side
#ytick.major.size : 3.5  # major tick size in points
#ytick.minor.size : 2   # minor tick size in points
#ytick.major.width : 0.8  # major tick width in points
#ytick.minor.width : 0.6   # minor tick width in points
#ytick.major.pad : 3.5    # distance to major tick label in points
#ytick.minor.pad : 3.4   # distance to the minor tick label in points
#ytick.color : k        # color of the tick labels
#ytick.labelsize : medium # fontsize of the tick labels
#ytick.direction : out   # direction: in, out, or inout
#ytick.minor.visible : False  # visibility of minor ticks on y-axis
#ytick.major.left : True  # draw y axis left major ticks
#ytick.major.right : True # draw y axis right major ticks
#ytick.minor.left : True  # draw y axis left minor ticks
#ytick.minor.right : True # draw y axis right minor ticks
### GRIDS
- grid.color : b0b0b0  # grid color
- grid.linestyle : -  # solid
- grid.linewidth : 0.8  # in points
- grid.alpha : 1.0  # transparency, between 0.0 and 1.0

### Legend
- legend.loc : best
- legend.frameon : True  # if True, draw the legend on a background patch
- legend.framealpha : 0.8  # legend patch transparency
- legend.facecolor : inherit  # inherit from axes.facecolor; or color spec
- legend.edgecolor : 0.8  # background patch boundary color
- legend.fancybox : True  # if True, use a rounded box for the
  # legend background, else a rectangle
- legend.shadow : False  # if True, give background a shadow effect
- legend.numpoints : 1  # the number of marker points in the legend line
- legend.scatterpoints : 1  # number of scatter points
- legend.markerscale : 1.0  # the relative size of legend markers vs. original
- legend.fontsize : medium
  # Dimensions as fraction of fontsize:
- legend.borderpad : 0.4  # border whitespace
- legend.labelsspacing : 0.5  # the vertical space between the legend entries
- legend.handlelength : 2.0  # the length of the legend lines
- legend.handleheight : 0.7  # the height of the legend handle
- legend.handletextpad : 0.8  # the space between the legend line and legend text
- legend.borderaxespad : 0.5  # the border between the axes and legend edge
- legend.columnspacing : 2.0  # column separation

### FIGURE
- figure.titlesize : large  # size of the figure title (Figure.suptitle())
- figure.titleweight : normal  # weight of the figure title
- figure.figsize : 6.4, 4.8  # figure size in inches
- figure.dpi : 100  # figure dots per inch
- figure.facecolor : white  # figure facecolor; 0.75 is scalar gray
- figure.edgecolor : white  # figure edgecolor
- figure.autolayout : False  # When True, automatically adjust subplot
  # parameters to make the plot fit the figure
- figure.max_open_warning : 20  # The maximum number of figures to open through
  # the pyplot interface before emitting a warning.
  # If less than one this feature is disabled.

# The figure subplot parameters. All dimensions are a fraction of the
- figure.subplot.left : 0.125  # the left side of the subplots of the figure
- figure.subplot.right : 0.9  # the right side of the subplots of the figure
- figure.subplot.bottom : 0.11  # the bottom of the subplots of the figure
- figure.subplot.top : 0.88  # the top of the subplots of the figure
### IMAGES
#image.aspect : equal  # equal | auto | a number
#image.interpolation : nearest  # see help(imshow) for options
#image.cmap : viridis  # A colormap name, gray etc...
#image.lut : 256  # the size of the colormap lookup table
#image.origin : upper  # lower | upper
#image.resample : True
#image.composite_image : True  # When True, all the images on a set of axes are
# combined into a single composite image before
# saving a figure as a vector graphics file,
# such as a PDF.

### CONTOUR PLOTS
#contour.negative_linestyle : dashed  # string or on-off ink sequence
#contour.corner_mask : True  # True | False | legacy

### ERRORBAR PLOTS
#errorbar.capsize : 0  # length of end cap on error bars in pixels

### HISTOGRAM PLOTS
#hist.bins : 10  # The default number of histogram bins.
# If Numpy 1.11 or later is
# installed, may also be `auto`

### SCATTER PLOTS
#scatter.marker : o  # The default marker type for scatter plots.

### Agg rendering
### Warning: experimental, 2008/10/10
#agg.path.chunksize : 0  # 0 to disable; values in the range
# 10000 to 100000 can improve speed slightly
# and prevent an Agg rendering failure
# when plotting very large data sets,
# especially if they are very gappy.
# It may cause minor artifacts, though.
# A value of 20000 is probably a good
# starting point.

### SAVING FIGURES
#path.simplify : True  # When True, simplify paths by removing "invisible"
# points to reduce file size and increase rendering
# speed
#path.simplify_threshold : 0.1  # The threshold of similarity below which
# vertices will be removed in the simplification
# process
#path.snap : True # When True, rectilinear axis-aligned paths will be snapped to
# the nearest pixel when certain criteria are met. When False,
# paths will never be snapped.
#path.sketch : None # May be none, or a 3-tuple of the form (scale, length,
# randomness).
# *scale* is the amplitude of the wiggle
# perpendicular to the line (in pixels). *length* # is the length of the wiggle along the line (in
# pixels). *randomness* is the factor by which
# the length is randomly scaled.

# the default savefig params can be different from the display params
# e.g., you may want a higher resolution, or to make the figure
# background white
#savefig.dpi         : figure   # figure dots per inch or 'figure'
#savefig.facecolor   : white    # figure facecolor when saving
#savefig.edgecolor   : white    # figure edgecolor when saving
#savefig.format      : png      # png, ps, pdf, svg
#savefig.bbox        : standard # 'tight' or 'standard'.
# 'tight' is incompatible with pipe-based animation
# backends but will work with temporary file based ones:
# e.g. setting animation.writer to ffmpeg will not work,
# use ffmpeg_file instead
#savefig.pad_inches  : 0.1      # Padding to be used when bbox is set to 'tight'
#savefig.jpeg_quality: 95       # when a jpeg is saved, the default quality parameter.
#savefig.directory   : ~        # default directory in savefig dialog box,
# leave empty to always use current working directory
#savefig.transparent : False    # setting that controls whether figures are saved with a
# transparent background by default

# tk backend params
#tk.window_focus   : False    # Maintain shell focus for TkAgg

# ps backend params
#ps.papersize      : letter   # auto, letter, legal, ledger, A0-A10, B0-B10
#ps.useafm         : False    # use of afm fonts, results in small files
#ps.usedistiller   : False    # can be: None, ghostscript or xpdf
# # Experimental: may produce smaller files.
# # xpdf intended for production of publication quality files,
# # but requires ghostscript, xpdf and ps2eps
#ps.distiller.res  : 6000      # dpi
#ps.fonttype       : 3         # Output Type 3 (Type3) or Type 42 (TrueType)

# pdf backend params
#pdf.compression   : 6        # integer from 0 to 9
# # 0 disables compression (good for debugging)
#pdf.fonttype : 3 # Output Type 3 (Type3) or Type 42 (TrueType)

# svg backend params
#svg.image_inline : True     # write raster image data directly into the svg file
#svg.fonttype : 'path'       # How to handle SVG fonts:
#   'none': Assume fonts are installed on the machine where the SVG will be viewed.
#   'path': Embed characters as paths -- supported by most SVG renderers
#   'svgfont': Embed characters as SVG fonts -- supported only by Chrome, Opera and Safari
#svg.hashsalt : None         # if not None, use this string as hash salt
   # instead of uuid4

# docstring params
#docstring.hardcopy = False # set this when you want to generate hardcopy docstring

# Set the verbose flags. This controls how much information
# matplotlib gives you at runtime and where it goes. The verbosity
# levels are: silent, helpful, debug, debug-annoying. Any level is
# inclusive of all the levels below it. If your setting is "debug",
# you'll get all the debug and helpful messages. When submitting
# problems to the mailing-list, please set verbose to "helpful" or "debug"
# and paste the output into your report.
#
# The "fileo" gives the destination for any calls to verbose.report.
# These objects can a filename, or a filehandle like sys.stdout.
#
# You can override the rc default verbosity from the command line by
# giving the flags --verbose-LEVEL where LEVEL is one of the legal
# levels, e.g., --verbose-helpful.
#
# You can access the verbose instance in your code
# from matplotlib import verbose.
#verbose.level : silent     # one of silent, helpful, debug, debug-annoying
#verbose.fileo : sys.stdout # a log filename, sys.stdout or sys.stderr

# Event keys to interact with figures/plots via keyboard.
# Customize these settings according to your needs.
# Leave the field(s) empty if you don't need a key-map. (i.e., fullscreen : '')

#keymap.fullscreen : f, ctrl+f        # toggling
#keymap.home : h, r, home             # home or reset mnemonic
#keymap.back : left, c, backspace     # forward / backward keys to enable
#keymap.forward : right, v             # left handed quick navigation
#keymap.pan : p                        # pan mnemonic
#keymap.zoom : o                       # zoom mnemonic
#keymap.save : s                       # saving current figure
#keymap.quit : ctrl+w, cmd+w           # close the current figure
#keymap.grid : g                       # switching on/off major grids in current axes
#keymap.grid_minor : G       # switching on/off minor grids in current axes
#keymap.yscale : l           # toggle scaling of y-axes ('log'/'linear')
#keymap.xscale : L, k        # toggle scaling of x-axes ('log'/'linear')
#keymap.all_axes : a         # enable all axes

# Control location of examples data files
#examples.directory : ”   # directory to look in for custom installation

###ANIMATION settings
#animation.html : ‘none’    # How to display the animation as HTML in
   # the IPython notebook. ‘html5’ uses
   # HTML5 video tag.
#animation.writer : ffmpeg   # MovieWriter ‘backend’ to use
#animation.codec : h264     # Codec to use for writing movie
#animation.bitrate: -1      # Controls size/quality tradeoff for movie.
   # -1 implies let utility auto-determine
#animation.frame_format: ‘png’  # Controls frame format used by temp files
#animation.html_args: ”      # Additional arguments to pass to html writer
#animation.ffmpeg_path: ‘ffmpeg’ # Path to ffmpeg binary. Without full path
   # $PATH is searched
#animation.ffmpeg_args: ”    # Additional arguments to pass to ffmpeg
#animation.avconv_path: ‘avconv’ # Path to avconv binary. Without full path
   # $PATH is searched
#animation.avconv_args: ”    # Additional arguments to pass to avconv
#animation.mencoder_path: ‘mencoder’
   # Path to mencoder binary. Without full path
   # $PATH is searched
#animation.mencoder_args: ”  # Additional arguments to pass to mencoder
#animation.convert_path: ‘convert’ # Path to ImageMagick’s convert binary.
   # On Windows use the full path since convert
   # is also the name of a system tool.

StartFontMetrics 4.1
Comment Creation Date: Mon Jun 23 16:28:46 1997
Comment UniqueID 43049
Comment VMusage 17529 79244
FontName Courier-BoldOblique
FullName Courier Bold Oblique
FamilyName Courier
Weight Bold
ItalicAngle -12
IsFixedPitch true
CharacterSet ExtendedRoman
FontBBox -57 -250 869 801
UnderlinePosition -100
UnderlineThickness 50
Version 003.000
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63821
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283  63822
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63824
axes.axisbelow: True
axes.edgecolor: white
axes.facecolor: EAEAF2
axes.grid: True
axes.labelcolor: .15
axes.labelsize: 11
axes.linewidth: 0
axes.prop_cycle: cycler('color', ['4C72B0', '55A868', 'C44E52', '8172B2', 'CCB974', '64B5CD'])
axes.titlesize: 12

figure.facecolor: white
figure.figsize: 8.0, 5.5

font.family: sans-serif
font.sans-serif: Arial, Liberation Sans, DejaVu Sans, Bitstream Vera Sans, sans-serif

grid.color: white
grid.linestyle: -
grid.linewidth: 1

image.cmap: Greys

legend.fontsize: 10
legend.frameon: False
legend.numpoints: 1
legend.scatterpoints: 1

lines.linewidth: 1.75
lines.markeredgewidth: 0
lines.markersize: 7
lines.solid_capstyle: round

patch.facecolor: 4C72B0
patch.linewidth: .3

text.color: .15

xtick.color: .15
xtick.direction: out
xtick.labelsize: 10
xtick.major.pad: 7
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xtick.major.width: 1
xtick.minor.size: 0
xtick.minor.width: .5

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ytick.direction: out
ytick.labelsize: 10
ytick.major.pad: 7
ytick.major.size: 0
ytick.major.width: 1
ytick.minor.size: 0
ytick.minor.width: .5

# Seaborn common parameters
#.15 = dark_gray
# .8 = light_gray
figure.facecolor: white
text.color: .15
axes.labelcolor: .15
legend.frameon: False
legend.numpoints: 1
legend.scatterpoints: 1
xtick.direction: out
ytick.direction: out
xtick.color: .15
xtick.color: .15
axes.axisbelow: True
image.cmap: Greys
font.family: sans-serif
font.sans-serif: Arial, Liberation Sans, DejaVu Sans, Bitstream Vera Sans, sans-serif
grid.linestyle: -
lines.solid_capstyle: round

# Seaborn dark parameters
axes.grid: False
axes.facecolor: EAEAF2
axes.edgecolor: white
axes.linewidth: 0
grid.color: white
xtick.major.size: 0
xtick.major.size: 0
xtick.minor.size: 0
xtick.minor.size: 0
# Seaborn poster context
figure.figsize: 12.8, 8.8
axes.labelsizer: 17.6
axes.titlesize: 19.2
xtick.labelsizer: 16
ytick.labelsizer: 16
legend.fontsize: 16

grid.linewidth: 1.6
lines.linewidth: 2.8
patch.linewidth: 0.48
lines.markersizer: 11.2
lines.markeredgewidth: 0

xtick.major.width: 1.6
xtick.major.width: 1.6
xtick.minor.width: 0.8
ytick.minor.width: 0.8

xtick.major.pad: 11.2
Open Source Used in DNAC Frost Platform Maglev 1.7.0 1.7.283 63831
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283  63833
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<td>KPX O W</td>
<td>-20</td>
</tr>
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<td>KPX O V</td>
<td>-45</td>
</tr>
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<td>KPX P o</td>
<td>-20</td>
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<td>KPX P e</td>
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<td>KPX R U</td>
<td>25</td>
</tr>
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KPX r d -6
KPX r comma -75
KPX r c -7

KPX s period 20
KPX s comma 20

KPX space quoteleft -50
KPX space quotedblleft -50
KPX space Y -60
KPX space W -25
KPX space V -80
KPX space T -25
KPX space A -20

KPX v period -90
KPX v o -20
KPX v e -20
KPX v comma -90
KPX v a -30

KPX w period -90
KPX w o -30
KPX w e -20
KPX w comma -90
KPX w a -30

KPX x e -20

KPX y period -100
KPX y o -30
KPX y e -20
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KPX y c -35
KPX y a -30
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EndKernData
StartComposites 56
CC Aacute 2 ; PCC A 0 0 ; PCC acute 160 170 ;
CC Acircumflex 2 ; PCC A 0 0 ; PCC circumflex 100 170 ;
CC Adieresis 2 ; PCC A 0 0 ; PCC dieresis 120 170 ;
CC Agrave 2 ; PCC A 0 0 ; PCC grave 160 170 ;
CC Aring 2 ; PCC A 0 0 ; PCC ring 190 135 ;
CC Atilde 2 ; PCC A 0 0 ; PCC tilde 130 170 ;
CC Eacute 2 ; PCC E 0 0 ; PCC acute 50 170 ;
CC Ecircumflex 2 ; PCC E 0 0 ; PCC circumflex -10 170 ;
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CC Egrave 2 ; PCC E 0 0 ; PCC grave 50 170 ;
CC Iacute 2 ; PCC I 0 0 ; PCC acute -45 170 ;
CC Icircumflex 2 ; PCC I 0 0 ; PCC circumflex -30 170 ;
CC Odieresis 2 ; PCC O 0 0 ; PCC dieresis 170 170 ;
CC Ograve 2 ; PCC O 0 0 ; PCC grave 210 170 ;
CC Otilde 2 ; PCC O 0 0 ; PCC tilde 180 170 ;
CC Uacute 2 ; PCC U 0 0 ; PCC acute 145 170 ;
CC Ucircumflex 2 ; PCC U 0 0 ; PCC circumflex 50 170 ;
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CC agrave 2 ; PCC a 0 0 ; PCC grave 120 0 ;
CC aring 2 ; PCC a 0 0 ; PCC ring 150 0 ;
CC atilde 2 ; PCC a 0 0 ; PCC tilde 90 0 ;
CC ecircumflex 2 ; PCC e 0 0 ; PCC circumflex 50 0 ;
CC edieresis 2 ; PCC e 0 0 ; PCC dieresis 70 0 ;
CC egrave 2 ; PCC e 0 0 ; PCC grave 110 0 ;
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CC ntilde 2 ; PCC n 0 0 ; PCC tilde 60 0 ;
CC oacute 2 ; PCC o 0 0 ; PCC acute 110 0 ;
CC otilde 2 ; PCC o 0 0 ; PCC tilde 80 0 ;
CC scaron 2 ; PCC s 0 0 ; PCC caron -50 0 ;
CC uacute 2 ; PCC u 0 0 ; PCC acute 125 0 ;
CC ucircumflex 2 ; PCC u 0 0 ; PCC circumflex 30 0 ;
CC udieresis 2 ; PCC u 0 0 ; PCC dieresis 50 0 ;
C -1 ; WX 333 ; N igrave ; B 18 -3 298 711 ;
C -1 ; WX 611 ; N mu ; B 25 -225 583 471 ;
C -1 ; WX 833 ; N Oacute ; B 47 -17 787 915 ;
C -1 ; WX 556 ; N eth ; B 40 -17 517 720 ;
C -1 ; WX 778 ; N Adieresis ; B 24 -3 757 895 ;
C -1 ; WX 667 ; N Yacute ; B 15 -3 660 915 ;
C -1 ; WX 606 ; N brokenbar ; B 260 0 346 720 ;
C -1 ; WX 750 ; N onehalf ; B 9 -2 745 665 ;
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StartKernData
StartKernPairs 101

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KPX L W -92
KPX L V -92
KPX L T -74

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KPX P comma -129
KPX P A -74

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KPX R V -74
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 KPX V a -111
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 KPX W r -74
 KPX W period -37
 KPX W o -74
 KPX W i -37
 KPX W hyphen -37
 KPX W e -74
 KPX W comma -92
 KPX W colon -37
 KPX W a -74
 KPX W A -90

 KPX Y v -74
 KPX Y u -74
 KPX Y semicolon -55
 KPX Y q -92
 KPX Y period -74
 KPX Y p -74
 KPX Y o -74

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KPX Y i -55
KPX Y hyphen -74
KPX Y e -74
KPX Y comma -74
KPX Y colon -55
KPX Y a -74
KPX Y A -55

KPX f quoteright 37
KPX f f -18

KPX one one -37

KPX quoteleft quoteleft -55

KPX quoteright t -18
KPX quoteright space -55
KPX quoteright s -55
KPX quoteright quoteright -55

KPX r quoteright 55
KPX r period -55
KPX r hyphen -18
KPX r comma -55

KPX v period -111
KPX v comma -111

KPX w period -92
KPX w comma -92

KPX y period -92
KPX y comma -92

EndKernPairs
EndKernData
StartComposites 58
CC Acute 2 ; PCC A 0 0 ; PCC acute 223 224 ;
CC Acircumflex 2 ; PCC A 0 0 ; PCC circumflex 211 224 ;
CC Adieresis 2 ; PCC A 0 0 ; PCC dieresis 223 224 ;
CC Agrave 2 ; PCC A 0 0 ; PCC grave 215 224 ;
CC Aring 2 ; PCC A 0 0 ; PCC ring 223 224 ;
CC Atilde 2 ; PCC A 0 0 ; PCC tilde 223 224 ;
CC Ccedilla 2 ; PCC C 0 0 ; PCC cedilla 195 0 ;
CC Eacute 2 ; PCC E 0 0 ; PCC acute 139 224 ;
CC Ecircumflex 2 ; PCC E 0 0 ; PCC circumflex 139 224 ;
CC Edieresis 2 ; PCC E 0 0 ; PCC dieresis 139 224 ;
CC Egrave 2 ; PCC E 0 0 ; PCC grave 139 224 ;
CC Iacute 2 ; PCC I 0 0 ; PCC acute 28 224 ;
# Author: Cameron Davidson-Pilon, replicated styles from FiveThirtyEight.com
# See https://www.dataorigami.net/blogs/fivethirtyeight-mpl

lines.linewidth: 4
lines.solid_capstyle: butt

legend.fancybox: true

axes.prop_cycle: cycler('color', ['008fd5', 'fc4f30', 'e5ae38', '6d904f', '8b8b8b', '810f7c'])
axes.facecolor: f0f0f0
axes.labelsize: large
axes.axisbelow: true
axes.grid: true
axes.edgecolor: f0f0f0
axes.linewidth: 3.0
axes.titlesize: x-large

patch.edgecolor: f0f0f0
patch.linewidth: 0.5

svg.fonttype: path

grid.linestyle: -
grid.linewidth: 1.0
grid.color: cbcbcb

xtick.major.size: 0
xtick.minor.size: 0
ytick.major.size: 0
ytick.minor.size: 0

font.size: 14.0

savefig.edgecolor: f0f0f0
savefig.facecolor: f0f0f0

figure.subplot.left: 0.08
figure.subplot.right: 0.95
figure.subplot.bottom: 0.07
figure.facecolor: f0f0f0

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2) BaKoMa-AMS (1.2/19-Jan-95)
AMSTeX fonts in PostScript Type 1 and TrueType font formats.

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IHEP, OMVT
Moscow Region
142281 PROTVINO
RUSSIA

E-Mail: bakoma@mail.ru
ormalyshev@mail.ihep.ru

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xzuKifdhYQOLVbaXVZ[RG[@=EO]koj^TNRRONPNJKPTLA1*$!4BLW_[ZZ]dkkefid^WRJKU^]VV]2HW*$
^&?_MK%N6-( 2X6Df[X BCW?gB&

!:06<
#tp(G)*evcf]XTMEKW_b`cd^OB?GR]hmeVHHJMPTSOONQUYSC3(%!

-9DMY\_V\_djhljmdYTRNR[b`^WZ+jR?3u@+!72!-Cq(Y<)
#CnB2CyB!
]A.s7$nr/R0=|YXTVNA@KXccgf0\KKOT_hi^NA@CGOORTOQT]S1:+% $0?NU\_\_'egjilj_TQSW[adbZgF
&c3u=( 'H+7hZE2
bD7i[VX I
8Jd.+ovH>b/w8zsTQXWRJBDR_aeqsYIYNU\cfXHFCACHMSVQNV\^[WM@/@$

&5ES\_beiliggieYPTXZ[\_fh]v_\+="y/O*2]JNrx+X@H[RNN
H:GS3zsY#P"1URX][TKFOY]bo\-"]OLMOVXVRNIAAHNTVSPF\^[UA5,"

!8KW`a`ehikkmcasaTNTZW\dJfpVs 6jF/\&e8c-3ojL+
Fs+R?CnrDLlb=;w@;yfh=g\&en=jqHR][YJOPUW`nyxeSJGBGQTSSNEBGNRXWV\^c`UK=2*

"0AR_b`ahjilmka]\[SRY[YY\^ZZY`BUJ"%R*U5)$
S05
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,\{c1bTl\+[u].\[JIVWRQONPU]\jomeXMCACJNNPKOFHGPM\]} gaYMD8,"

*J[ge] ehjkje^VTUQRWXX\[acV^GORK`Qq\BYh>,\&DL`aMu=V05=k
Wx5,4TZ\[7E!R]L\[l\y?dTINNNKLPMMV\_f\_XNGACJPMNSLGFKQ\_fb]\^dYND<" 
!!"!`ARbgYaY]hkjie_ZROPNPVTV`eXlcHI~uRnG.8k=%_PS][6-
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,e{["jC\NdEuGJPIFIMOLKTXSROGBDJKIOTUOGJNYaa`WXXUNGA3(

$9DVab[Ybkome`^XPKLKNNQRI\d\^Iaup[0X_.jPITq74^pE#U%?&OQ):
"(2E)hig" gmljdi][VKDDEAEF'pq"]zZ?4cZ0:fS8&>t0vd*G2W[r
MH3:[5v?k]?[D4/0<dp??1tQ5]f]Gm`sW]UQRSPJIJOVYZXNG@ET_YGCMIFIMMKHLMD6..21*

"!!&2<:\jniejkjilllgerA@!IGF\_kmmnknFF\Y3#"/S]uzd/'(C5j<\lDEY {
#D637FY^]SUml!X:^Y>D\GUQTPLQYYPD[O\UPLJIRZRFHREQDLNECDE=/(01%
"*<O\egkignqrtrlaRJE@GGHShcnT\A;prmxXqO66[tcO:0Ar
yE4:VMBu[SYn<4noqX'
%\hi(ga,cEILGFKSYVI[_,XRONNLMTOEFMKEGPOC<BB8)"'.
#5Kiugihgqws2ZCLDGHHHKWjlxS5M+>/y2@eF!@cqcF-E[\VBJf]02raX^wiOS:OzzzJC-Tu@1:
1:NGH\_HLRP0X7TORRL\NOQEDMNDMLA:@E6"--*!+@WgedhikqtpvbSJJJKLKM0jmlann:tl_,
9anP(3e~pWYoTVI1{r1Q
Q.x(mcHns
5O)\dKIB::GQUXZUPVRWTQPLEIESTISGF:8<0'!!'31!

#"&6l_hfabgktnrppp][QPWVQIKPSgrr=,>Xh!WH8bi?&Pxszw:Ds(:~)0e<s8]%*RME=8@OYZYVUWIYT
SPJHNVUPOMF:01,1%"#*5-$
!
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mp/m[NQE=\LRVUt*b[SOJJIHNX^Q1@2,1%"$'076,)&

'lJzfjmkkjekskec^\[bc*TOOQU_ePj8jf,e2yd?:b0
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!
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"0AM\muvnjjklongfhg"WURSVQ\U^d4!Aguwi w /Htg6+.;R=htNJeE^Z#~)Yj-wsNe-kYZOE=\AKXddaYQHIMPONXgij[LC;3--'('(.593,!

#0Aqbpuxmjjkkcicde[UOklTXYVdyU8Qi[kHw_gRS-NgY[буc0UcRny3km ~FKwL_
JG` YHDBFSZ^ddZPM0OMLQ[bYLHD834+/)/7870&

! &4DSgrrnlkigdba][YWNKUX]bhk
=GRn. e-L<]>9(**Bsy~qps, GLD83:i=m-XT'GY^n
\[LEFEFCNYdiaYTRPPOTTYZRNFRF:7,854146771/'
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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63878
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!e~2F"0<Klfqwk^O@/+?DBGN\p&q)'#-Ur+S/#!9vm' @/ &4^k"':mv

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fFV4#nYK:-%$/&(<\}m-sx[jG34;0&< #ZC7fy=!+ c?t>ByZ/6=P6h
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Open Source Used in DNAC Frost Platform Maglev 1.7.0 1.7.283

# cp_pC

k:Pqb[yh]epdL'
#&*0:CC_Q~ydbu{vvs][dlquyvmorLFZT!0.
!%<?5 /DX]D..,..,+)%&'(++..01239>DLzn._Y0>Tp$[9GDNi908q9j"%<XzyT,#8A>JK]=[Q
Q*v:02lg{lk%v>oZ][aL!=JA!OSH_FS
#
"$+6@?xW@z~klwxuxe_irrtrriY'iCW^J
!!$F<W4X\EV2.*,-*+"%"(&-2412138=Blne.]_p'0?DMwK#b[4U?7!MAy*Uu#9JH(12).9V0?Q

:%%0-<:'[GI/']ds~u[m@@yr5:TCA
z]$([ACq=!#00'/028=-74)xnrvv]~d^j{~xnce!ScfmBAW)IO@$lb2M1h5/*)$$&(+383127548>GJW
*?A8:9X?UIW;<
blk*Tw*V1<T

#W")?#dmgpy[}gVHERn]Z2)1:LV#cu9B
UMjq7cj
[90-

"1:<=*8{):m
vu]ru{n[ncwvYVSRYc(dk()
0TdR5]_dP!t=82-(+$$#,1/441/24312<CPwVpy!;5(0UP43U=XK4<bb&
p6f9CV-V

/ys^UysI{K2%(=:K_VfIUNfW9f]7K6/iGl^z/mB/##<EC<87%U6oqtjq}edo}~tlcVQMPWrl-UXV
_GhwhMSAJ4Vj:k;6+)&%&-*..0/+121229?6iHzphahS1U681&;Gt(1%)P++'-W%x00boi|uUoetty4aFO[?
]S);dsm-df#s^3^A #!_WypHTo!
nPC4[BEkA[JMS';FD8++~XNumtrjwstitytoh'XTPNU_d4C93. -Ppv]21Mr)D)/&$(+--/.0-
,0011425?;Mml][xni_1.(.)88,"<I]>2_mF-9EA+695AXd{.noy

ST/ypXmoy/S1yp#1{K"-XYh_[8][MM@.-]M9AY!%jv:0#

9B8]IWyhrmmy~strtr[uicd"XTT]ns@"''!G]b=(iD=zG7U.)%&%/*.00..0410/48;DUE{ws^i#(+'
"5_SzS[.>
->)3)Nt;
C -1 ; WX 780 ; N Eth ; B 20 0 748 681 ;
C -1 ; WX 400 ; N degree ; B 50 398 350 698 ;
C -1 ; WX 700 ; N Yacute ; B -20 0 718 910 ;
C -1 ; WX 800 ; N Ocircumflex ; B 35 -17 769 910 ;
C -1 ; WX 620 ; N oacute ; B 31 -8 585 731 ;
C -1 ; WX 660 ; N mu ; B 22 -221 653 502 ;
C -1 ; WX 600 ; N minus ; B 51 207 555 323 ;
C -1 ; WX 620 ; N eth ; B 31 -8 585 741 ;
C -1 ; WX 620 ; N odieresis ; B 31 -8 585 698 ;
C -1 ; WX 740 ; N copyright ; B 23 -17 723 698 ;
C -1 ; WX 600 ; N brokenbar ; B 243 -175 362 675 ;
EndCharMetrics
StartKernData
StartKernPairs 90

KPX A y -1
KPX A w -9
KPX A v -8
KPX A Y -52
KPX A W -20
KPX A V -68
KPX A T -40

KPX F period -132
KPX F comma -130
KPX F A -59

KPX L y 19
KPX L Y -35
KPX L W -41
KPX L V -50
KPX L T -4

KPX P period -128
KPX P comma -129
KPX P A -46

KPX R y -8
KPX R Y -20
KPX R W -24
KPX R V -29
KPX R T -4

KPX T semicolon 5
KPX T s -10
KPX T r 27
KPX T period -122
KPX T o -28
KPX Y colon -32
KPX Y a -60
KPX Y A -56

KPX f f 21

KPX r q -9
KPX r period -102
KPX r o -9
KPX r n 20
KPX r m 20
KPX r hyphen -10
KPX r h -23
KPX r g -9
KPX r f 20
KPX r e -10
KPX r d -10
KPX r comma -101
KPX r c -9
EndKernPairs
EndKernData

StartComposites 56
CC Aacute 2 ; PCC A 0 0 ; PCC acute 160 179 ;
CC Acircumflex 2 ; PCC A 0 0 ; PCC circumflex 110 179 ;
CC Adieresis 2 ; PCC A 0 0 ; PCC dieresis 110 179 ;
CC Agrave 2 ; PCC A 0 0 ; PCC grave 160 179 ;
CC Aring 2 ; PCC A 0 0 ; PCC ring 190 179 ;
CC Atilde 2 ; PCC A 0 0 ; PCC tilde 120 179 ;
CC Eacute 2 ; PCC E 0 0 ; PCC acute 160 179 ;
CC Ecircumflex 2 ; PCC E 0 0 ; PCC circumflex 110 179 ;
CC Edieresis 2 ; PCC E 0 0 ; PCC dieresis 110 179 ;
CC Egrave 2 ; PCC E 0 0 ; PCC grave 160 179 ;
CC Iacute 2 ; PCC I 0 0 ; PCC acute 0 179 ;
CC Icircumflex 2 ; PCC I 0 0 ; PCC circumflex -50 179 ;
CC Idieresis 2 ; PCC I 0 0 ; PCC dieresis -50 179 ;
CC Igrave 2 ; PCC I 0 0 ; PCC grave 0 179 ;
CC Ntilde 2 ; PCC N 0 0 ; PCC tilde 130 179 ;
CC Oacute 2 ; PCC O 0 0 ; PCC acute 200 179 ;
CC Ocircumflex 2 ; PCC O 0 0 ; PCC circumflex 150 179 ;
CC Odieresis 2 ; PCC O 0 0 ; PCC dieresis 150 179 ;
CC Ograve 2 ; PCC O 0 0 ; PCC grave 200 179 ;
CC Otilde 2 ; PCC O 0 0 ; PCC tilde 160 179 ;
CC Sscaron 2 ; PCC S 0 0 ; PCC caron 80 179 ;
CC Uacute 2 ; PCC U 0 0 ; PCC acute 170 179 ;
CC Ucircumflex 2 ; PCC U 0 0 ; PCC circumflex 120 179 ;
CC Udieresis 2 ; PCC U 0 0 ; PCC dieresis 120 179 ;
CC Ugrave 2 ; PCC U 0 0 ; PCC grave 170 179 ;
CC Yacute 2 ; PCC Y 0 0 ; PCC acute 150 179 ;
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63927
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63931
CC idieresis 2 ; PCC dotlessi 0 0 ; PCC dieresis -90 0 ;
CC igrave 2 ; PCC dotlessi 0 0 ; PCC grave 0 0 ;
CC ntilde 2 ; PCC n 0 0 ; PCC tilde 60 0 ;
CC oacute 2 ; PCC o 0 0 ; PCC acute 130 0 ;
CC ocircumflex 2 ; PCC o 0 0 ; PCC circumflex 60 0 ;
CC odieresis 2 ; PCC o 0 0 ; PCC dieresis 40 0 ;
CC ograve 2 ; PCC o 0 0 ; PCC grave 110 0 ;
CC otilde 2 ; PCC o 0 0 ; PCC tilde 60 0 ;
CC scaron 2 ; PCC s 0 0 ; PCC caron 30 0 ;
CC uacute 2 ; PCC u 0 0 ; PCC acute 170 0 ;
CC ucircumflex 2 ; PCC u 0 0 ; PCC circumflex 100 0 ;
CC udieresis 2 ; PCC u 0 0 ; PCC dieresis 80 0 ;
CC ugrave 2 ; PCC u 0 0 ; PCC grave 150 0 ;
CC yacute 2 ; PCC y 0 0 ; PCC acute 130 0 ;
CC ydieresis 2 ; PCC y 0 0 ; PCC dieresis 40 0 ;
CC zcaron 2 ; PCC z 0 0 ; PCC caron 40 0 ;
EndComposites
EndFontMetrics
StartFontMetrics 2.0
Comment Creation Date: Tue May 28 16:31:51 1991
Comment UniqueID 35025
Comment VMusage 30420 37312
FontName NewCenturySchlbk-Roman
FullName New Century Schoolbook Roman
FamilyName New Century Schoolbook
Weight Roman
ItalicAngle 0
IsFixedPitch false
FontBBox -195 -250 1000 965
UnderlinePosition -100
UnderlineThickness 50
Version 001.007
EncodingScheme AdobeStandardEncoding
CapHeight 722
XHeight 464
Ascender 737
Descender -205
StartCharMetrics 228
C 32 ; WX 278 ; N space ; B 0 0 0 0 ;
C 33 ; WX 296 ; N exclam ; B 86 -15 210 737 ;
C 34 ; WX 389 ; N quotedbl ; B 61 443 328 737 ;
C 35 ; WX 556 ; N numbersign ; B 28 0 528 690 ;
C 36 ; WX 556 ; N dollar ; B 45 -138 511 813 ;
C 37 ; WX 833 ; N percent ; B 43 -15 790 705 ;
C 38 ; WX 815 ; N ampersand ; B 51 -15 775 737 ;
C 39 ; WX 204 ; N quoteright ; B 25 443 179 737 ;
KPX W hyphen -100
KPX W e -60
KPX W comma -125
KPX W colon -100
KPX W a -75
KPX W A -50

KPX Y u -91
KPX Y semicolon -75
KPX Y period -100
KPX Y o -100
KPX Y i -18
KPX Y hyphen -125
KPX Y e -100
KPX Y comma -100
KPX Y colon -75
KPX Y a -100
KPX Y O -18
KPX Y A -75

KPX a y -10
KPX a w -10
KPX a v -10

KPX b period -18
KPX b comma -18

KPX c period -18
KPX c l -7
KPX c k -7
KPX c h -7
KPX c comma -18

KPX colon space -37
KPX comma space -37
KPX comma quoteright -37
KPX comma quotedblright -37

KPX e period -18
KPX e comma -18

KPX f quoteright 100
KPX f quotedblright 100
KPX f period -37
KPX f comma -37

KPX g period -25
KPX y comma -125
EndKernPairs
EndKernData
StartComposites 56

CC Aacute 2 ; PCC A 0 0 ; PCC acute 195 238 ;
CC Acircumflex 2 ; PCC A 0 0 ; PCC circumflex 195 238 ;
CC Adieresis 2 ; PCC A 0 0 ; PCC dieresis 195 238 ;
CC Agrave 2 ; PCC A 0 0 ; PCC grave 195 238 ;
CC Aring 2 ; PCC A 0 0 ; PCC ring 195 243 ;
CC Atilde 2 ; PCC A 0 0 ; PCC tilde 195 238 ;
CC Eacute 2 ; PCC E 0 0 ; PCC acute 195 238 ;
CC Ecircumflex 2 ; PCC E 0 0 ; PCC circumflex 195 238 ;
CC Edieresis 2 ; PCC E 0 0 ; PCC dieresis 195 238 ;
CC Egrave 2 ; PCC E 0 0 ; PCC grave 195 238 ;
CC Iacute 2 ; PCC I 0 0 ; PCC acute 37 238 ;
CC Icircumflex 2 ; PCC I 0 0 ; PCC circumflex 37 238 ;
CC Idieresis 2 ; PCC I 0 0 ; PCC dieresis 37 238 ;
CC Igrave 2 ; PCC I 0 0 ; PCC grave 37 238 ;
CC Ntilde 2 ; PCC N 0 0 ; PCC tilde 241 238 ;
CC Oacute 2 ; PCC O 0 0 ; PCC acute 223 238 ;
CC Ocircumflex 2 ; PCC O 0 0 ; PCC circumflex 223 238 ;
CC Odieresis 2 ; PCC O 0 0 ; PCC dieresis 223 238 ;
CC Ograve 2 ; PCC O 0 0 ; PCC grave 223 238 ;
CC Otilde 2 ; PCC O 0 0 ; PCC tilde 223 238 ;
CC Scaron 2 ; PCC S 0 0 ; PCC caron 149 238 ;
CC Uacute 2 ; PCC U 0 0 ; PCC acute 241 238 ;
CC Ucircumflex 2 ; PCC U 0 0 ; PCC circumflex 241 238 ;
CC Udieresis 2 ; PCC U 0 0 ; PCC dieresis 241 238 ;
CC Ugrave 2 ; PCC U 0 0 ; PCC grave 241 238 ;
CC Yacute 2 ; PCC Y 0 0 ; PCC acute 241 238 ;
CC Ycircumflex 2 ; PCC Y 0 0 ; PCC circumflex 241 238 ;
CC Ydieresis 2 ; PCC Y 0 0 ; PCC dieresis 241 238 ;
CC Zcaron 2 ; PCC Z 0 0 ; PCC caron 139 238 ;
CC aacute 2 ; PCC a 0 0 ; PCC acute 112 0 ;
CC acircumflex 2 ; PCC a 0 0 ; PCC circumflex 112 0 ;
CC adieresis 2 ; PCC a 0 0 ; PCC dieresis 112 0 ;
CC agrave 2 ; PCC a 0 0 ; PCC grave 112 0 ;
CC aring 2 ; PCC a 0 0 ; PCC ring 112 10 ;
CC atilde 2 ; PCC a 0 0 ; PCC tilde 112 0 ;
CC eacute 2 ; PCC e 0 0 ; PCC acute 84 0 ;
CC ecircumflex 2 ; PCC e 0 0 ; PCC circumflex 84 0 ;
CC edieresis 2 ; PCC e 0 0 ; PCC dieresis 84 0 ;
CC egrave 2 ; PCC e 0 0 ; PCC grave 84 0 ;
CC iacute 2 ; PCC i 0 0 ; PCC acute -9 0 ;
CC icircumflex 2 ; PCC i 0 0 ; PCC circumflex -9 0 ;
CC idieresis 2 ; PCC i 0 0 ; PCC dieresis -9 0 ;
CC igrave 2 ; PCC i 0 0 ; PCC grave -9 0 ;
CC ntilde 2 ; PCC n 0 0 ; PCC tilde 139 0 ;
CC oacute 2 ; PCC o 0 0 ; PCC acute 84 0 ;
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KPX V O 10
KPX V G -20

KPX W period -50
KPX W o -20
KPX W i 10
KPX W h 10
KPX W e -20
KPX W comma -40
KPX W a -20
KPX W O 10

KPX Y u -20
KPX Y period -50
KPX Y o -50
KPX Y i 10
KPX Y e -40
KPX Y comma -40
KPX Y a -60

KPX b period -30
KPX b l -20
KPX b comma -20
KPX b b -20

KPX c k -10

KPX comma quotedright -70
KPX comma quotedblright -70

KPX d w -20
KPX d v -10
KPX d d -40

KPX e y 10

KPX f quotedright 30
KPX f quotedblright 30
KPX f period -50
KPX f f -50
KPX f e -10
KPX f comma -40
KPX f a -20

KPX g y 10
KPX g period -30
KPX g i 10
KPX g e 10
KP X g comma -20
KP X g a 10

KP X k y 10
KP X k o -10
KP X k e -20

KP X m y 10
KP X m u 10

KP X n y 20

KP X o period -30
KP X o comma -20

KP X p period -30
KP X p p -10
KP X p comma -20

KP X period quoteright -80
KP X period quotedblright -80

KP X quotedblleft quotel left 20
KP X quotedblleft A 10

KP X quotel left quotel left -115
KP X quotel left A 10

KP X quoteright v 30
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# .8 = light_gray
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axes.labelcolor: .15
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legend.frameon: False
legend.numpoints: 1
legend.scatterpoints: 1
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ytick.direction: out
xtick.color:.15
ytick.color:.15
axes.axisbelow: True
image.cmap: Greys
font.family: sans-serif
font.sans-serif: Arial, Liberation Sans, DejaVu Sans, Bitstream Vera Sans, sans-serif
grid.linestyle: -
lines.solid_capstyle: round

# Seaborn darkgrid parameters
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IsFixedPitch false
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Version 001.006
EncodingScheme AdobeStandardEncoding
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XHeight 547
Ascender 740
Descender -192
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C 32 ; WX 277 ; N space ; B 0 0 0 0 ;

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Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 63972
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C 163 ; WX 554 ; N sterling ; B 4 0 552 753 ;
C 164 ; WX 166 ; N fraction ; B -113 0 280 740 ;
C 165 ; WX 554 ; N yen ; B 4 0 550 740 ;
C 166 ; WX 554 ; N florin ; B -12 -153 518 818 ;
C 167 ; WX 615 ; N section ; B 85 -141 529 753 ;
C 168 ; WX 554 ; N currency ; B 8 42 546 580 ;
C 169 ; WX 198 ; N quotesingle ; B 59 444 140 740 ;
C 170 ; WX 502 ; N quotedblleft ; B 97 546 406 740 ;
C 171 ; WX 425 ; N guillemotleft ; B 40 81 386 481 ;
C 172 ; WX 251 ; N guilsingleleft ; B 40 81 212 481 ;
C 173 ; WX 251 ; N guilsingleright ; B 39 81 211 481 ;
C 174 ; WX 487 ; N fi ; B 19 0 422 753 ;
C 175 ; WX 485 ; N fl ; B 19 0 420 753 ;
C 177 ; WX 500 ; N endash ; B 35 248 465 315 ;
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C 180 ; WX 277 ; N periodcentered ; B 102 190 176 316 ;
C 182 ; WX 564 ; N paragraph ; B 22 -110 551 740 ;
C 183 ; WX 606 ; N bullet ; B 150 222 455 532 ;
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C 189 ; WX 1174 ; N perthousand ; B 25 -13 1148 751 ;
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#!/usr/bin/env fontforge
i=1
while ( i<$argc )
  Open($argv[i])
  Generate($argv[i]:r + ".ttf")
  i = i+1
endloop
```

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24 May 2010

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Weight Light
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XHeight 518
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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@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.

Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.

Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(age@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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1998-05-11

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*m4/ax_func_which_gethostbyname_r.m4

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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
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All Python releases are Open Source (see http://www.opensource.org for
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#*TITLE: List of code with permissive licenses as used by GnuPG.
#*STARTUP: showall

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

-----------------------------------------------------------------------------
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1.6397 patch 2.7.6 2ubuntu1.1

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AES in libhcrypto

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>
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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,
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(GEnie : OUTER; CIS : [71755,204]) Graven Imagery, 1992.

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Windows support

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Eclipse

The following artifacts are EPL.
* 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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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.sssl

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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1.6408 dnsutils 1:9.10.3.dfsg.P4-8ubuntu1.15

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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AES in libhcrypto

rijndael-alg-fst.c

Optimised ANSI C code for the Rijndael cipher (now AES)
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D3DES (V5.09) -

A portable, public domain, version of the Data Encryption Standard.

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* /opt/cola/permits/1152086972_1618069762.04/0/jaeger-core-1-5-0-sources-jar/io/jaegertracing/internal/propagation/TextMapCodec.java
* /opt/cola/permits/1152086972_1618069762.04/0/jaeger-core-1-5-0-sources-jar/io/jaegertracing/Configuration.java
* /opt/cola/permits/1152086972_1618069762.04/0/jaeger-core-1-5-0-sources-jar/io/jaegertracing/internal/JaegerSpanContext.java
* /opt/cola/permits/1152086972_1618069762.04/0/jaeger-core-1-5-0-sources-jar/io/jaegertracing/spi/package-info.java
* /opt/cola/permits/1152086972_1618069762.04/0/jaeger-core-1-5-0-sources-jar/io/jaegertracing/spi/SenderFactory.java
* /opt/cola/permits/1152086972_1618069762.04/0/jaeger-core-1-5-0-sources-jar/io/jaegertracing/internal/senders/NoopSenderFactory.java
* /opt/cola/permits/1152086972_1618069762.04/0/jaeger-core-1-5-0-sources-jar/io/jaegertracing/internal/senders/NoopSender.java
* /opt/cola/permits/1152086972_1618069762.04/0/jaeger-core-1-5-0-sources-jar/io/jaegertracing/spi/exceptions/TraceIdOutOfBoundException.java
* /opt/cola/permits/1152086972_1618069762.04/0/jaeger-core-1-5-0-sources-jar/io/jaegertracing/internal/JaegerObjectFactory.java
* /opt/cola/permits/1152086972_1618069762.04/0/jaeger-core-1-5-0-sources-jar/io/jaegertracing/internal/senders/NoopSender.java
* /opt/cola/permits/1152086972_1618069762.04/0/jaeger-core-1-5-0-sources-jar/io/jaegertracing/spi/SenderFactory.java
* /opt/cola/permits/1152086972_1618069762.04/0/jaeger-core-1-5-0-sources-jar/io/jaegertracing/exceptions/TraceIdOutOfBoundException.java
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* /opt/cola/permits/1152086972_1618069762.04/0/jaeger-core-1-5-0-sources-jar/io/jaegertracing/spi/package-info.java
* /opt/cola/permits/1152086972_1618069762.04/0/jaeger-core-1-5-0-sources-jar/io/jaegertracing/spi/SenderFactory.java
* /opt/cola/permits/1152086972_1618069762.04/0/jaeger-core-1-5-0-sources-jar/io/jaegertracing/exceptions/TraceIdOutOfBoundException.java
* /opt/cola/permits/1152086972_1618069762.04/0/jaeger-core-1-5-0-sources-jar/io/jaegertracing/spi/package-info.java
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* /opt/cola/permits/1152086972_1618069762.04/0/jaeger-core-1.5-0-sources-jar/io/jaegertracing/internal/utils/Http.java
* /opt/cola/permits/1152086972_1618069762.04/0/jaeger-core-1.5-0-sources-jar/io/jaegertracing/internal/exceptions/UnsupportedFormatException.java
* /opt/cola/permits/1152086972_1618069762.04/0/jaeger-core-1.5-0-sources-jar/io/jaegertracing/internal/exceptions/EmptyIpException.java
* /opt/cola/permits/1152086972_1618069762.04/0/jaeger-core-1.5-0-sources-jar/io/jaegertracing/internal/exceptions/SamplingStrategyErrorException.java
* /opt/cola/permits/1152086972_1618069762.04/0/jaeger-core-1.5-0-sources-jar/io/jaegertracing/spi/Extractor.java
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* /opt/cola/permits/1152086972_1618069762.04/0/jaeger-core-1.5.0-sources.jar/io/jaegertracing/spi/SamplingManager.java
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* /opt/cola/permits/1152086972_1618069762.04/0/jaeger-core-1-5-0-sources-jar/io/jaegertracing/internal/metrics/NoopMetricsFactory.java
* /opt/cola/permits/1152086972_1618069762.04/0/jaeger-core-1-5-0-sources-jar/io/jaegertracing/spi/MetricsFactory.java
* /opt/cola/permits/1152086972_1618069762.04/0/jaeger-core-1-5-0-sources-jar/io/jaegertracing/internal/propagation/CompositeCodec.java

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* /opt/cola/permits/1152086972_1618069762.04/0/jaeger-core-1-5-0-sources-jar/io/jaegertracing/internal/MDCScopeManager.java
* /opt/cola/permits/1152086972_1618069762.04/0/jaeger-core-1-5-0-sources-jar/io/jaegertracing/internal/clock/MicrosAccurateClock.java

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1.6438 unzip 6.0 20ubuntu1

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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.
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"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."

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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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1.6443 six 1.10.0

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The primary author and maintainer of six is Benjamin Peterson. He would like to acknowledge the following people who submitted bug reports, pull requests, and otherwise worked to improve six:

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This package was put together by Vaidhyanathan G Mayilrangam <vaidhy@debian.org> and Joel Klecker <espy@debian.org>, using sources obtained from ftp://ftp.gnu.org/gnu/ncurses/ncurses-5.0.tar.gz. Current versions of the ncurses sources are found at ftp://invisible-island.net/ncurses/.

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ASN.1 library for Python
------------------------
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[![GitHub license](https://img.shields.io/badge/license-BSD-blue.svg)](https://raw.githubusercontent.com/etingof/pyasn1/master/LICENSE.txt)

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 3.7 
* MT-safe
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) by Olivier Dubuisson is one of those high quality books freely available on the Internet.

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(
```
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’):

```python
>>> record = Record()
>>> record['id'] = 123
>>> record['room'] = 321
>>> str(record)
Record:
id=123
room=321
```  
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
>>> received_record.update(room=123)
>>> substrate = encode(received_record)
>>> hexdump(substrate)
00000: 30 06 02 01 7B 80 01 7B
```
```

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
>>> from pyasn1.codec.native.encoder import encode
>>> encode(record)
{'id': 123, 'room': 321, 'house': 0}
```

Or vice-versa -- you can initialize an ASN.1 structure from a tree of Python objects:

```python
>>> from pyasn1.codec.native.decoder import decode
>>> record = decode({'id': 123, 'room': 321, 'house': 0}, asn1Spec=Record())
```

With ASN.1 design, serialisation codecs are decoupled from data objects, so you could turn every single ASN.1 object into many different serialised forms. As of this moment, pyasn1 supports BER, DER, CER and Python built-ins codecs. The extremely compact PER encoding is expected to be introduced in the upcoming pyasn1 release.

More information on pyasn1 APIs can be found in the [documentation](http://snmplabs.com/pyasn1/), compiled ASN.1 modules for different protocols and file formats could be found in the pyasn1-modules [repo](https://github.com/etingof/pyasn1-modules).
How to get pyasn1
----------------

The pyasn1 package is distributed under terms and conditions of 2-clause
BSD [license](http://snmplabs.com/pyasn1/license.html). Source code is freely
available as a GitHub [repo](https://github.com/etingof/pyasn1).

You could `pip install pyasn1` or download it from [PyPI](https://pypi.org/project/pyasn1).

If something does not work as expected,
[open an issue](https://github.com/etingof/pyasn1/issues) at GitHub or
post your question [on Stack Overflow](https://stackoverflow.com/questions/ask)
or try browsing pyasn1
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ASN.1 library for Python
========================

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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.org/project/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 [here](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` [here](https://developers.google.com/protocol-buffers/) or `FlatBuffers` [here](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, CBFF, 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 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

Use case

Download & Install

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.

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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.

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1.6446 libalgorithmdiff-xs-perl 0.04-4+b2

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- Format: http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
- Upstream-Name: Algorithm-Diff-XS
- Upstream-Contact: Audrey Tang <cpan@audreyt.org>
- Source: https://metacpan.org/release/Algorithm-Diff-XS

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* $Date: 2008-06-05 16:44:17 +0200 (Thu, 05 Jun 2008) $
* $Rev: 13309 $
*/

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* /opt/cola/permits/1128916280_1612119388.6/0/fis-components-es5-ext-0-10-11-0-g4097176-tar-gz/fis-
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1.6452 libusb 2:0.1.12 28
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#
0 0 0  Index 3
65 38 30  Index 4
103 62 49  Index 6
79 73 72  Index 7
114 101 97  Index 8
208 127 100  Index 9
151 144 142  Index 10
221 207 199  Index 11

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Columns: 4
#
 0 0 0  Index 3
01234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
103 62 49  Index 6
79 73 72  Index 7
114 101 97  Index 8
208 127 100  Index 9
151 144 142  Index 10
221 207 199  Index 11

GIMP Palette
Name: Test
Columns: 0
#

GIMP Palette
Name: badpaletteentry
Columns: 4
#
 0 0 0  Index 3
65 38
103 62 49  Index 6
79 73 72  Index 7
114 101 97  Index 8
208 127 100  Index 9
151 144 142  Index 10
221 207 199  Index 11

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DRuntime: Runtime Library for the D Programming Language

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

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# Installation
+ Requires: Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

# How to test and develop in local mac
- Use pyvenv to create a virtual env in /opt/maglev
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* /opt/cola/permits/1152075726_1618058323.17/0/maglev-appctl-1-7-9-dist-info-zip/inputdir/packages_extracted/tar/1/packages_extracted/22/packages_extracted/usr/local/lib/python3.6/dist-
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package gnu.classpath.tools.taglets;

import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.javadoc.Tag;

/**
 * A simple Taglet which handles Copyright information.
 */
public class CopyrightTaglet implements Taglet {

    private static final String NAME = "copyright";
    private static final String HEADER = "Copyright:";

    public String getName() {
        return NAME;
    }

    public boolean inField() {
        return true;
    }

    public boolean inConstructor() {
        return true;
    }

    public boolean inMethod() {
        return true;
    }

    public boolean inOverview() {
        return true;
    }

    public boolean inPackage() {
        return true;
    }
}
public boolean inType() {
return true;
}
public boolean isInlineTag() {
return false;
}
public static void register(Map tagletMap) {
CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
}
public String toString(Tag tag) {
return toString(new Tag[] { tag });
}
public String toString(Tag[] tags) {
if (tags.length == 0) {
return null;
}
else {
boolean haveValidTag = false;
for (int i = 0; i < tags.length && !haveValidTag; ++i) {
if (tags[i].text().length() > 0) {
haveValidTag = true;
}
}
if (haveValidTag) {
StringBuffer result = new StringBuffer();
result.append("<dl>");
for (int i = 0; i < tags.length; i++) {
if (tags[i].text().length() > 0) {
result.append("<dt><i>Copyright &#169; " + tags[i].text() + "</i></dt>");
}
}
result.append("</dl>");
return result.toString();
}
else {
return null;
}
}
}
}
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Version 2.1, February 1999

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<typename of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

// DO NOT EDIT THIS FILE - it is machine generated -*- c++ -*-

ifndef __java_security_Permission__
#define __java_security_Permission__

#pragma interface

#include <java/lang/Object.h>
extern "Java"
{
 namespace java
 {
  namespace security
  {
   class Permission;
   class PermissionCollection;
  }
}
class java::security::Permission : public ::java::lang::Object
{
public:
    Permission(::java::lang::String *);
    virtual void checkGuard(::java::lang::Object *);
    virtual jboolean implies(::java::security::Permission *) = 0;
    virtual jboolean equals(::java::lang::Object *) = 0;
    virtual jint hashCode() = 0;
    virtual ::java::lang::String * getName();
    virtual ::java::lang::String * getActions() = 0;
    virtual ::java::security::PermissionCollection * newPermissionCollection();
    virtual ::java::lang::String * toString();
private:
    static const jlong serialVersionUID = -5636570222231596674LL;
    ::java::lang::String * __attribute__((aligned(__alignof__( ::java::lang::Object)))) name;
public:
    static ::java::lang::Class class$;
};

#include "java/security/Permission.h"

@end ignore
@node Copying

@c man begin DESCRIPTION
@unnumbered GNU General Public License
@center Version 3, 29 June 2007
@display
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@end c man end
/* Permission.java -- The superclass for all permission objects

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package java.security;

import gnu.java.lang.CPStringBuilder;

import java.io.Serializable;

/**
 * This class is the abstract superclass of all classes that implement
 * the concept of a permission. A permission consists of a permission name
 * and optionally a list of actions that relate to the permission. The
 * actual meaning of the name of the permission is defined only in the
 * context of a subclass. It may name a resource to which access permissions
 * are granted (for example, the name of a file) or it might represent
 * something else entirely. Similarly, the action list only has meaning
 * within the context of a subclass. Some permission names may have no
 * actions associated with them. That is, you either have the permission
 * or you don't.
 * *
 * <p>The most important method in this class is <code>implies</code>. This
 * checks whether if one has this permission, then the specified
 * permission is also implied. As a conceptual example, consider the
 * permissions "Read All Files" and "Read File foo". The permission
"Read All Files" implies that the caller has permission to read the
file foo.

"<p>"<code>Permission</code>"s must be immutable - do not change their
state after creation.

@author Aaron M. Renn (arenn@urbanophile.com)
@see Permissions
@see PermissionCollection
@since 1.1
@status updated to 1.4

public abstract class Permission implements Guard, Serializable
{
/**
 * Compatible with JDK 1.1+.
 */
private static final long serialVersionUID = -5636570222231596674L;

/**
 * This is the name assigned to this permission object.
 *
 * @serial the name of the permission
 */
private String name;

/**
 * Create an instance with the specified name.
 *
 * @param name the permission name
 */
public Permission(String name)
{
    this.name = name;
}

/**
 * This method implements the <code>Guard</code> interface for this class.
 * It calls the <code>checkPermission</code> method in
 * <code>SecurityManager</code> with this <code>Permission</code> as its
 * argument. This method returns silently if the security check succeeds
 * or throws an exception if it fails.
 *
 * @param obj the <code>Object</code> being guarded - ignored by this class
 * @throws SecurityException if the security check fails
 * @see GuardedObject
 * @see SecurityManager#checkPermission(Permission)
 */
public void checkGuard(Object obj)
{
    SecurityManager sm = System.getSecurityManager();
    if (sm != null)
        sm.checkPermission(this);
}

/**
 * This method tests whether this <code>Permission</code> implies that the
 * specified <code>Permission</code> is also granted.
 *
 * @param perm the <code>Permission</code> to test against
 * @return true if perm is implied by this
 */
public abstract boolean implies(Permission perm);

/**
 * Check to see if this object equals obj. Use <code>implies</code>, rather
 * than <code>equals</code>, when making access control decisions.
 *
 * @param obj the object to compare to
 */
public abstract boolean equals(Object obj);

/**
 * This method returns a hash code for this <code>Permission</code>. It
 * must satisfy the contract of <code>Object.hashCode</code>: it must be
 * the same for all objects that equals considers to be the same.
 *
 * @return a hash value
 */
public abstract int hashCode();

/**
 * Get the name of this <code>Permission</code>.
 *
 * @return the name
 */
public final String getName()
{
    return name;
}

/**
 * This method returns the list of actions for this <code>Permission</code>
 * as a <code>String</code>. The string should be in canonical order, for
 * example, both <code>new FilePermission(f, "write,read")</code> and
 * <code>new FilePermission(f, "read,write")</code> have the action list
* "read, write".
* 
* @return the action list for this <code>Permission</code>
* /%
public abstract String getActions();

/**
 * This method returns an empty <code>PermissionCollection</code> object
 * that can store permissions of this type, or <code>null</code> if no
 * such collection is defined. Subclasses must override this to provide
 * an appropriate collection when one is needed to accurately calculate
 * <code>implies</code>.
 *
 * @return a new <code>PermissionCollection</code>
 * /%
public PermissionCollection newPermissionCollection()
{
    return null;
}

/**
 * This method returns a <code>String</code> representation of this
 * <code>Permission</code> object. This is in the format:
 * <code>('/ + getClass().getName() + '" + getName() + '" + getActions
 * + ')')</code>.
 *
 * @return this object as a <code>String</code>
 * /%
public String toString()
{
    CPStringBuilder string = new CPStringBuilder();
    string = string.append('('/);
    string = string.append(getClass().getName());
    string = string.append(' ') ;
    string = string.append(getName());
    if (!(getActions().equals("")))
    {
        string = string.append(' '); 
        string = string.append(getActions());
    }
    string = string.append(')');
    return string.toString();
}
} // class Permission
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libraries. However, the Lesser license provides advantages in certain
special circumstances.

For example, on rare occasions, there may be a special need to
encourage the widest possible use of a certain library, so that it becomes
a de-facto standard. To achieve this, non-free programs must be
allowed to use the library. A more frequent case is that a free
library does the same job as widely used non-free libraries. In this
case, there is little to gain by limiting the free library to free
software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free
programs enables a greater number of people to use a large body of
free software. For example, permission to use the GNU C Library in
non-free programs enables many more people to use the whole GNU
operating system, as well as its variant, the GNU/Linux operating
system.

Although the Lesser General Public License is Less protective of the
users' freedom, it does ensure that the user of a program that is
linked with the Library has the freedom and the wherewithal to run
that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and
modification follow. Pay close attention to the difference between a
"work based on the library" and a "work that uses the library". The
former contains code derived from the library, whereas the latter must
be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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   You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

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
Ty Coon, President of Vice
That's all there is to it!

<?dbhtml filename="appendix_gpl.html"?>

<para>
Version 3, 29 June 2007
</para>

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<bridgehead xml:id="gpl-3-preamble" renderas="sect1">
Preamble
</bridgehead>

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a list of user commands or options, such as a menu, a prominent item in the
list meets this criterion.
</para>
<bridgehead xml:id="SourceCode" renderas="sect1">
</bridgehead>
<para>
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.
</para>
<para>
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.
</para>
<para>
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.
</para>
<para>
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 works
System Libraries, or general-purpose tools or generally available free
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the work is specifically designed to require, such as by intimate data
communication or control flow between those subprograms and other parts of
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</para>
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separately received it.
</para>
</listitem>
</listitem>
<para>
If the work has interactive user interfaces, each must display
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not make them do so.
</para>
</listitem>
</orderedlist>

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</para>
<br bridgehead xml:id="ConveyingNonSource" renderas="sect1">
  6. Conveying Non-Source Forms.
</bridgehead>
<para>
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:
</para>
<orderedlist numeration="loweralpha" inheritnum="ignore" continuation="restarts">
  <listitem>
    <para>
      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.
    </para>
  </listitem>
  <listitem>
    <para>
      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
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#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
```
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
# update-copyright.pl --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
# update-copyright.pl --this-year libjava
#
# would run the script on just libjava/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__(self):
        self.num_errors = 0
    
def report(self, filename, string):
        if filename:
            string = filename + ': ' + string
        sys.stderr.write(string + '
')
        self.num_errors += 1
    
def ok(self):
        return self.num_errors == 0

class GenericFilter:
    def __init__(self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set(['
            # Skip licence files.
def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        return re.compile ('	')
    return None

    # Skip FSF mission statement, etc.
    'gnu.texi',
    'funding.texi',
    'appendix_free.xml',

    # Skip imported texinfo files.
    'texinfo.tex',
    )

def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile ('\t')

    return None
def skip_file(self, dir, filename):
    if filename in self.skip_files:
        return True

    (base, extension) = os.path.splitext(os.path.join(dir, filename))
    if extension in self.skip_extensions:
        return True

    if extension == '.in':
        # Skip .in files produced by automake.
        if os.path.exists(base + '.am'):
            return True

        # Skip files produced by autogen
        if (os.path.exists(base + '.def')
            and os.path.exists(base + '.tpl')):
            return True

    # Skip configure files produced by autoconf
    if filename == 'configure':
        if os.path.exists(base + '.ac'):
            return True
        if os.path.exists(base + '.in'):
            return True

    return False

def skip_dir(self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file(self, dir, filename):
    if filename in self.fossilised_files:
        return True

    # Only touch current ChangeLogs.
    if filename != 'ChangeLog' and filename.find('ChangeLog') >= 0:
        return True

    return False

def by_package_author(self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__(self, errors):
        self.errors = errors

        # Characters in a range of years. Include '.' for typos.
        ranges = '[0-9]?[-0-9,\s]\sand\s+*\s+[-0-9]'
# Non-whitespace characters in a copyright holder's name.
name = '[\w.-]'

# Matches one year.
self.year_re = re.compile ('[0-9]+')

# Matches part of a year or copyright holder.
self.continuation_re = re.compile (ranges + '|' + name)

# Matches a full copyright notice:
self.copyright_re = re.compile (  
    # 1: 'Copyright (C)', etc.  
    '([Cc]opyright'  
    '([Cc]opyrights+\([Cc]\)'  
    '([Cc]opyrights+'  
    '([Cc]opyrights+&copy;'  
    '([Cc]opyrights+@copyright\]'  
    '[copyright = u\]'  
    '@set%s+copyright\[w-]+\)'

    # 2: the years. Include the whitespace in the year, so that  
    # we can remove any excess.  
    '(\s*\(?::? + ranges + \?',  
    '@value\{[^\}]*\})\s*')

    # 3: 'by ', if used  
    '(by\s+)?'

    # 4: the copyright holder. Don't allow multiple consecutive  
    # spaces, so that right-margin gloss doesn't get caught  
    # (e.g. gnat_ugn.texi).  
    '\(' + name + '\(\s?' + name + '\)*\)\)?

    # A regexp for notices that might have slipped by. Just matching  
    # 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of  
    # HTML header markers, so check for 'copyright' and two digits.  
    self.other_copyright_re = re.compile ('copyright.*[0-9][0-9]',  
        re.IGNORECASE)

self.comment_re = re.compile('#+|[*]+|;+|%+|//+|@c |dnl ')  
self.holders = { '@copying': '@copying' }
self.holder_prefixes = set()

# True to 'quilt add' files before changing them.
self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None
# Goes after the year(s). Could be ' ', ' '.

```python
self.separator = ''
```

```python
def add_package_author(self, holder, canon_form=None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find('
')
    while index >= 0:
        self.holder_prefixes.add(holder[:index])
        index = holder.find(' ', index + 1)
```

```python
def add_external_author(self, holder):
    self.holders[holder] = None
```

```python
class BadYear():
    def __init__(self, year):
        self.year = year
    def __str__(self):
        return 'unrecognised year: ' + self.year
```

```python
def parse_year(self, string):
    year = int(string)
    if len(string) == 2:
        if year > 70:
            return year + 1900
        elif len(string) == 4:
            return year
    raise self.BadYear(string)
```

```python
def year_range(self, years):
    year_list = [self.parse_year(year)
                 for year in self.year_re.findall(years)]
    assert len(year_list) > 0
    return (min(year_list), max(year_list))
```

```python
def set_use_quilt(self, use_quilt):
    self.use_quilt = use_quilt
```

```python
def include_year(self, year):
    assert not self.max_year
    self.max_year = year
```

```python
def canonicalise_years(self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith('@value '):
        return years
```
(min_year, max_year) = self.year_range(years)

# Update the upper bound, if enabled.
if self.max_year and not filter.is_fossilised_file(dir, filename):
    max_year = max(max_year, self.max_year)

# Use a range.
if min_year == max_year:
    return '%d' % min_year
else:
    return '%d-%d' % (min_year, max_year)

def strip_continuation(self, line):
    line = line.lstrip()
    match = self.comment_re.match(line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete(self, match):
    holder = match.group(4)
    return (holder
            and (holder not in self.holder_prefixes
                 or holder in self.holders))

def update_copyright(self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join(dir, filename)

    intro = match.group(1)
    if intro.startswith('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end(2):].strip()
        if after_years != '':
            self.errors.report(pathname,
                'trailing characters in @set: ' + after_years)
            return (False, orig_line, next_line)
    else:
        # If it looks like the copyright is incomplete, add the next line.
        while not self.is_complete(match):
            try:
                next_line = file.next()
            except StopIteration:
                break
# If the next line doesn't look like a proper continuation,
# assume that what we've got is complete.
continuation = self.strip_continuation (next_line)
if not self.continuation_re.match (continuation):
    break

# Merge the lines for matching purposes.
orig_line += next_line
line = line.rstrip() + ' ' + continuation
next_line = None

# Rematch with the longer line, at the original position.
match = self.copyright_re.match (line, match.start())
assert match

holder = match.group (4)

# Use the filter to test cases where markup is getting in the way.
if filter.by_package_author (dir, filename):
    assert holder not in self.holders

elif not holder:
    self.errors.report (pathname, 'missing copyright holder')
    return (False, orig_line, next_line)

elif holder not in self.holders:
    self.errors.report (pathname, 'unrecognised copyright holder: ' + holder)
    return (False, orig_line, next_line)
else:
    # See whether the copyright is associated with the package
    # author.
    canon_form = self.holders[holder]
    if not canon_form:
        return (False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
    line = (line[:match.start (4)]
            + canon_form
            + line[match.end (4):])

    # Remove any 'by'
    line = line[:match.start (3)] + line[match.end (3):]

    # Update the copyright years.
    years = match.group (2).strip()
    try:
canon_form = self.canonicalise_years (dir, filename, filter, years)
except self.BadYear as e:
    self.errors.report (pathname, str (e))
return (False, orig_line, next_line)

line = (line[:match.start (2)]
         + ('' if intro.startswith ("copyright = ") else ' ")
         + canon_form + self.separator
         + line[match.end (2):])

# Use the standard (C) form.
if intro.endswith ('right'):
    intro += ' (C)'
elif intro.endswith ('(c)'):
    intro = intro[:-3] + '(C)'
line = line[:match.start (1)] + intro + line[match.end (1):]

# Strip trailing whitespace
line = line.rstrip() + '
'

return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith (".tmp"):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)
        except OSError:
            pass
        return
    lines = []
    changed = False
    line_filter = filter.get_line_filter (dir, filename)
    with open (pathname, 'r') as file:
        prev = None
        for line in file:
            while line:
                next_line = None
                # Leave filtered-out lines alone.
                if not (line_filter and line_filter.match (line)):
                    match = self.copyright_re.search (line)
                    if match:
                        res = self.update_copyright (dir, filename, filter,
                                                    file, line, match)
                        (this_changed, line, next_line) = res
                        changed = changed or this_changed
                    else:
                        # Leave filtered-out lines alone.
                        next_line = None
                        if not (line_filter and line_filter.match (line)):
                            match = self.copyright_re.search (line)
                            if match:
                                res = self.update_copyright (dir, filename, filter,
                                                            file, line, match)
                                (this_changed, line, next_line) = res
                                changed = changed or this_changed
                        else:
                            continue
                else:
                    # Leave filtered-out lines alone.
                    if not (line_filter and line_filter.match (line)):
                        match = self.copyright_re.search (line)
                        if match:
                            res = self.update_copyright (dir, filename, filter,
                                                        file, line, match)
                            (this_changed, line, next_line) = res
                            changed = changed or this_changed
                        else:
                            continue
                # Strip trailing whitespace
                line = line.rstrip() + '
'
                return (line != orig_line, line, next_line)
# Check for copyright lines that might have slipped by.
if self.other_copyright_re.search(line):
    self.errors.report (pathname,
    'unrecognised copyright: %s'
    % line.strip())
    lines.append (line)
    line = next_line

# If something changed, write the new file out.
if changed and self.errors.ok():
    tmp_pathname = pathname + '.tmp'
    with open (tmp_pathname, 'w') as file:
        for line in lines:
            file.write (line)
    if self.use_quilt:
        subprocess.call (["quilt", 'add', pathname])
    os.rename (tmp_pathname, pathname)

def process_tree (self, tree, filter):
    for (dir, subdirs, filenames) in os.walk (tree):
        # Don't recurse through directories that should be skipped.
        for i in xrange (len (subdirs) - 1, -1, -1):
            if filter.skip_dir (dir, subdirs[i]):
                del subdirs[i]

        # Handle the files in this directory.
        for filename in filenames:
            if filter.skip_file (dir, filename):
                sys.stdout.write ('Skipping %s
' % os.path.join (dir, filename))
            else:
                self.process_file (dir, filename, filter)

class CmdLine:
    def __init__ (self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright (self.errors)
        self.dirs = []
        self.default_dirs = []
        self.chosen_dirs = []
        self.option_handlers = dict()
        self.option_help = []

        self.add_option ('--help', 'Print this help', self.o_help)
        self.add_option ('--quilt', '"quilt add" files before changing them',
            self.o_quilt)
        self.add_option ('--this-year', 'Add the current year to every notice',
            self.o_this_year)
def add_option (self, name, help, handler):
    self.option_help.append ((name, help))
    self.option_handlers[name] = handler

def add_dir (self, dir, filter = GenericFilter()):
    self.dirs.append ((dir, filter))

def o_help (self, option = None):
    sys.stdout.write ('Usage: %s [options] dir1 dir2...

    Options:
' % sys.argv[0])
    format = '%-15s %s
'
    for (what, help) in self.option_help:
        sys.stdout.write (format % (what, help))
    sys.stdout.write ('nDirectories:
')
    format = '%-25s'
    i = 0
    for (dir, filter) in self.dirs:
        i += 1
        if i % 3 == 0 or i == len (self.dirs):
            sys.stdout.write (dir + '
')
        else:
            sys.stdout.write (format % dir)
    sys.exit (0)

def o_quilt (self, option):
    self.copyright.set_use_quilt (True)

def o_this_year (self, option):
    self.copyright.include_year (time.localtime().tm_year)

def main (self):
    for arg in sys.argv[1:]:
        if arg[:1] != '-':
            self.chosen_dirs.append (arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg] (arg)
        else:
            self.errors.report (None, 'unrecognised option: ' + arg)
    if self.errors.ok():
        if len (self.chosen_dirs) == 0:
            self.chosen_dirs = self.default_dirs
        if len (self.chosen_dirs) == 0:
            self.o_help()
        else:
            for chosen_dir in self.chosen_dirs:
canon_dir = os.path.join (chosen_dir, ")
count = 0
for (dir, filter) in self.dirs:
    if (dir + os.sep).startswith (canon_dir):
        count += 1
        self.copyright.process_tree (dir, filter)
if count == 0:
    self.errors.report (None, 'unrecognised directory: '
                        + chosen_dir)
sys.exit (0 if self.errors.ok() else 1)

#---------------------------------------------------------------

class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True

class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)
    def skip_file (self, dir, filename):
        if filename.endswith ('.m4'):
            pathname = os.path.join (dir, filename)
            with open (pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find ('gettext-') >= 0:
                    return True
            return GenericFilter.skip_file (self, dir, filename)

class GCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)
        self.skip_files |= set ([
            # Not part of GCC
            'math-68881.h',
        ])
        self.skip_dirs |= set ([
            # Better not create a merge nightmare for the GNAT folks.
            'ada',

            # Handled separately.
            'testsuite',
        ])
        self.skip_extensions |= set ([
            # Not part of GCC
            'math-68881.h',
        ])

# Maintained by the translation project.
'.po',

# Automatically-generated.
'.pot',
})

self.fossilised_files |= set ({
    # Old news won't be updated.
    'ONEWS',
})

class TestsuiteFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set ({
            # Don't change the tests, which could be won by anyone.
            '.c',
            '.C',
            '.cc',
            '.h',
            '.hs',
            '.f',
            '.f90',
            '.go',
            '.inc',
            '.java',
        })

    def skip_file (self, dir, filename):
        # g++.niklas/README contains historical copyright information
        # and isn't updated.
        if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
            return True
        return GenericFilter.skip_file (self, dir, filename)

class LibCppFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set ({
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        })
class LibGCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set (
            # Imported from GLIBC.
            'soft-fp',
        )

class LibJavaFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set (
            # Handled separately.
            'testsuite',

            # Not really part of the library
            'contrib',

            # Handled separately.
            'classpath',
            'libltdl',
        )

def get_line_filter (self, dir, filename):
    if filename == 'NameDecoder.h':
        return re.compile ('.*NAME_COPYRIGHT')
    if filename == 'ICC_Profile.h':
        return re.compile ('.*icSigCopyrightTag')
    return GenericFilter.get_line_filter (self, dir, filename)

class LibMudflapFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set (
            # Handled separately.
            'testsuite',
        )

class LibStdCxxFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set (
            # Contains no copyright of its own, but quotes the GPL.
        )
'intro.xml',
])

self.skip_dirs |= set (
    # Contains automatically-generated sources.
    'html',

    # The testsuite data files shouldn't be changed.
    'data',

    # Contains imported images
    'images',
])

self.own_files |= set (
    # Contains markup around the copyright owner.
    'spine.xml',
])

def get_line_filter (self, dir, filename):
    if filename == 'boost_concept_check.h':
        return re.compile ('// \(C\) Copyright Jeremy Siek')
    return GenericFilter.get_line_filter (self, dir, filename)

class GCCCopyright (Copyright):
    def __init__ (self, errors):
        Copyright.__init__ (self, errors)

        canon_fsf = 'Free Software Foundation, Inc.'
        self.add_package_author ('Free Software Foundation', canon_fsf)
        self.add_package_author ('Free Software Foundation.', canon_fsf)
        self.add_package_author ('Free Software Foundation Inc.', canon_fsf)
        self.add_package_author ('Free Software Foundation, Inc', canon_fsf)
        self.add_package_author ('Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author ('The Free Software Foundation', canon_fsf)
        self.add_package_author ('The Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author ('Software Foundation, Inc.', canon_fsf)

        self.add_external_author ('ARM')
        self.add_external_author ('AdaCore')
        self.add_external_author ('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
        self.add_external_author ('Cavium Networks.')
        self.add_external_author ('Faraday Technology Corp.')
        self.add_external_author ('Florida State University')
        self.add_external_author ('Greg Colvin and Beman Dawes.')
        self.add_external_author ('Hewlett-Packard Company')
        self.add_external_author ('Information Technology Industry Council.')
        self.add_external_author ('James Theiler, Brian Gough')
self.add_external_author('Makoto Matsumoto and Takuji Nishimura,')
self.add_external_author('National Research Council of Canada.')
self.add_external_author('Peter Dimov and Multi Media Ltd.')
self.add_external_author('Peter Dimov')
self.add_external_author('Pipeline Associates, Inc.')
self.add_external_author('Regents of the University of California.')
self.add_external_author('Silicon Graphics Computer Systems, Inc.')
self.add_external_author('Silicon Graphics')
self.add_external_author('Stephen L. Moshier')
self.add_external_author('Sun Microsystems, Inc. All rights reserved.')
self.add_external_author('The Go Authors. All rights reserved.')
self.add_external_author('The Go Authors.')
self.add_external_author('The Regents of the University of California.')
self.add_external_author('Unicode, Inc.')
self.add_external_author('University of Toronto."

class GCCCmdLine (CmdLine):
def __init__(self):
    CmdLine.__init__(self, GCCCopyright)

    self.add_dir('..', TopLevelFilter())
    # boehm-gc is imported from upstream.
    self.add_dir('config', ConfigFilter())
    # contrib isn't really part of GCC.
    self.add_dir('fixincludes')
    self.add_dir('gcc', GCCFilter())
    self.add_dir(os.path.join('gcc', 'testsuite'), TestsuiteFilter())
    self.add_dir('gnattools')
    self.add_dir('include')
    self.add_dir('libada')
    self.add_dir('libatomic')
    self.add_dir('libbacktrace')
    self.add_dir('libcpp', LibCppFilter())
    self.add_dir('libgcc', LibGCCFilter())
    self.add_dir('libgfortran')
    self.add_dir('libgomp')
    self.add_dir('libiberty')
    self.add_dir('libitm')
    self.add_dir('libjava', LibJavaFilter())
    self.add_dir(os.path.join('libjava', 'testsuite'), TestsuiteFilter())
    self.add_dir('libmudflap', LibMudflapFilter())
    self.add_dir(os.path.join('libmudflap', 'testsuite'), TestsuiteFilter())
    self.add_dir('libobjc')
    self.add_dir('libquadmath')
# libsanitiser is imported from upstream.
self.add_dir('libssp')
self.add_dir('libstdc++-v3', LibStdCxxFilter())
self.add_dir('lto-plugin')

# zlib is imported from upstream.

self.default_dirs = [
    'gcc',
    'libada',
    'libatomic',
    'libbacktrace',
    'libcpp',
    'libdecnumber',
    'libgcc',
    'libgfortran',
    'libgomp',
    'libitm',
    'libmudflap',
    'libobjc',
    'libstdc++-v3',
]

GCCCmdLine().main()

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@c End:
@c man end

java/security/acl/Permission
java/lang/Object.equals(Ljava/lang/Object;)Z
java/lang/String;
SourceFile:Permission.java

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/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using
underscores, we are using prefix `.s to identify labels that should
be ignored, as in `i386/gas.h' --karl@cs.umb.edu */
#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */
#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line */
that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE,SIZE)  
fprintf (FILE, "\t.space HOST_WIDE_INT_PRINT_UNSIGNED\"n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line
to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED)  
( fputs (".comm ", (FILE)),
assemble_name ((FILE), (NAME)),
fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line
to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED)  
( fputs (".lcomm ", (FILE)),
assemble_name ((FILE), (NAME)),
fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  
( fputs (".lcomm ", (FILE)),
assemble_name ((FILE), (NAME)),
fprintf ((FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line
that says to advance the location counter
to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG)  
if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF
the symbol_ref name of an internal numbered label where
PREFIX is the class of label and NUM is the number within the class.
This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)  
sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX "_"
/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.
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.

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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@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.ics.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(agic@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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/**
 * This interface provides information about a permission that can be granted. Note that this is <em>not</em> the same as the class <code>java.security.Permission</code>.
 *
 * @version 0.0
 *
 * @author Aaron M. Renn (arenn@urbanophile.com)
 */
public interface Permission {

/**
 * This method tests whether or not a specified <code>Permission</code> (passed as an <code>Object</code>) is the same as this permission.
 *
 * @param perm The permission to check for equality
 *
 * @return <code>true</code> if the specified permission is the same as this one, <code>false</code> otherwise
 */
boolean equals (Object perm);

/**
 * This method returns this <code>Permission</code> as a <code>String</code>.
 *
 * @return A <code>String</code> representing this permission.
 */
String toString();
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SEE ALSO

`gfdl`(7), `sf-funding`(7).

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#define __gnu_javax_sound_AudioSecurityManager$Permission__

#pragma interface

#include <java/lang/Enum.h>
#include <gcj/array.h>

extern "Java"
{
    namespace gnu
    {
        namespace javax
        {
            namespace sound
            {
                class AudioSecurityManager$Permission;
            }
        }
    }
}

class gnu::javax::sound::AudioSecurityManager$Permission : public ::java::lang::Enum
{
    AudioSecurityManager$Permission(::java::lang::String *, jint);
public:
    static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * values();
    static ::gnu::javax::sound::AudioSecurityManager$Permission * valueOf(::java::lang::String *);
    static ::gnu::javax::sound::AudioSecurityManager$Permission * PLAY;
    static ::gnu::javax::sound::AudioSecurityManager$Permission * RECORD;
    static ::gnu::javax::sound::AudioSecurityManager$Permission * ALL;
    private:
    static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * ENUM$VALUES;
public:
    static ::java::lang::Class class$;
};

#endif // __gnu_javax_sound_AudioSecurityManager$Permission__

1.6466 libcbin 2.27 3ubuntu1.4

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### A SOCKS proxy `http.Agent` implementation for HTTP and HTTPS

This module provides an `http.Agent` implementation that connects to a specified SOCKS proxy server, and can be used with the built-in `http` or `https` modules.

It can also be used in conjunction with the `ws` module to establish a WebSocket connection.
connection over a SOCKS proxy. See the "Examples" section below.

Installation
-------------

Install with `npm`:

```bash
$ npm install socks-proxy-agent
```

Examples
--------

##### `http` module example

```js
var url = require('url');
var http = require('http');
var SocksProxyAgent = require('socks-proxy-agent');

// SOCKS proxy to connect to
var proxy = process.env.socks_proxy || 'socks://127.0.0.1:9050';
console.log('using proxy server %j', proxy);

// HTTP endpoint for the proxy to connect to
console.log('attempting to GET %j', endpoint);
var opts = url.parse(endpoint);

// create an instance of the `SocksProxyAgent` class with the proxy server information
var agent = new SocksProxyAgent(proxy);
opts.agent = agent;

http.get(opts, function (res) {
    console.log("response" event!`, res.headers);
    res.pipe(process.stdout);
});
```

##### `https` module example

```js
var url = require('url');
var https = require('https');
var SocksProxyAgent = require('socks-proxy-agent');
```
// SOCKS proxy to connect to
var proxy = process.env.socks_proxy || 'socks://127.0.0.1:9050';
console.log('using proxy server %j', proxy);

// HTTP endpoint for the proxy to connect to
console.log('attempting to GET %j', endpoint);
var opts = url.parse(endpoint);

// create an instance of the `SocksProxyAgent` class with the proxy server information
// NOTE: the `true` second argument! Means to use TLS encryption on the socket
var agent = new SocksProxyAgent(proxy, true);
opts.agent = agent;

https.get(opts, function (res) {
    console.log('"response" event!', res.headers);
    res.pipe(process.stdout);
});
```

#### `ws` WebSocket connection example
``` js
var WebSocket = require('ws');
var SocksProxyAgent = require('socks-proxy-agent');

// SOCKS proxy to connect to
var proxy = process.env.socks_proxy || 'socks://127.0.0.1:9050';
console.log('using proxy server %j', proxy);

// WebSocket endpoint for the proxy to connect to
var endpoint = process.argv[2] || 'ws://echo.websocket.org';
console.log('attempting to connect to WebSocket %j', endpoint);
var agent = new SocksProxyAgent(proxy);

var socket = new WebSocket(endpoint, { agent: agent });
socket.on('open', function () {
    console.log('"open" event!');
    socket.send('hello world');
});

socket.on('message', function (data, flags) {
    console.log('"message" event! %j %j', data, flags);
    socket.close();
```
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-------

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Found in path(s):
* /opt/cola/permits/1127085276_1611774176.51/0/socks-proxy-agent-3-0-0-1-tgz/package/README.md

1.6472 findutils 4.6.0+git+20190209-2
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1.6474 maglev-app-workflow 1.7.73

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Metadata-Version: 2.0
Name: maglev-app-workflow
Version: 1.7.73
Summary: Maglev app workflow (1.7.73)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: MarkupSafe (==1.0)
Requires-Dist: PyYAML (==3.12)
Requires-Dist: dnspython (==1.16.0)
Requires-Dist: maglev (<=1.7.0)
Requires-Dist: maglev-api (<=1.7.0)
Requires-Dist: maglev-internal-api (<=1.7.0)
Requires-Dist: maglev-utils (<=1.7.0)
Requires-Dist: monotonic (==1.1)
Requires-Dist: rsa (==4.5)
Requires-Dist: setuptools (==41.2.0)
Requires-Dist: setuptools-scm (==3.4.3)
Requires-Dist: toml (==0.10.0)
Requires-Dist: zipp (==1.0.0)

# Installation
+ Requires : Python 3.5 download the dmg and install, use pyenv to create a virtual environment
1.6475 debianutils 4.4+b1

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1.6476 read-cmd-shim 1.0.5

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1.6479 wordwrap 0.0.3

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1.6480 ncurses-terminfo 6.0-r8

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Upstream source https://invisible-island.net/ncurses/ncurses.html
This package is used for testing builds of ncurses.

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

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* /opt/cola/permissions/1124804699_1611179427.23/0/cas-server-core-3-5-2-1-sources-1-
jar/org/jasig/cas/authentication/MutableAuthentication.java
* /opt/cola/permissions/1124804699_1611179427.23/0/cas-server-core-3-5-2-1-sources-1-
jar/org/jasig/cas/monitor/Status.java
* /opt/cola/permissions/1124804699_1611179427.23/0/cas-server-core-3-5-2-1-sources-1-
jar/org/jasig/cas/monitor/Monitor.java
* /opt/cola/permissions/1124804699_1611179427.23/0/cas-server-core-3-5-2-1-sources-1-
jar/org/jasig/cas/authentication/ModalAuthentication.java
* /opt/cola/permissions/1124804699_1611179427.23/0/cas-server-core-3-5-2-1-sources-1-
jar/org/jasig/cas/authentication/SamlAuthenticationMetaDataPopulator.java
* /opt/cola/permissions/1124804699_1611179427.23/0/cas-server-core-3-5-2-1-sources-1-
jar/org/jasig/cas/util/RandomStringGenerator.java
* /opt/cola/permissions/1124804699_1611179427.23/0/cas-server-core-3-5-2-1-sources-1-
jar/org/jasig/cas/services/jmx/AbstractServicesManagerMBean.java
* /opt/cola/permits/1124804699_1611179427.23/0/cas-server-core-3-5-2-1-sources-1-
jar/org/jasig/cas/util/PublicKeyFactoryBean.java
* /opt/cola/permits/1124804699_1611179427.23/0/cas-server-core-3-5-2-1-sources-1-
jar/org/jasig/cas/CasVersion.java
* /opt/cola/permits/1124804699_1611179427.23/0/cas-server-core-3-5-2-1-sources-1-
jar/org/jasig/cas/web/view/AbstractSaml10ResponseView.java
* /opt/cola/permits/1124804699_1611179427.23/0/cas-server-core-3-5-2-1-sources-1-
jar/org/jasig/cas/services/web/RegisteredServiceSimpleFormController.java
* /opt/cola/permits/1124804699_1611179427.23/0/cas-server-core-3-5-2-1-sources-1-
jar/org/jasig/cas/services/jmx/ServicesManagerMBean.java

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* @version $Revision: 1.2 $ $Date: 2007/01/22 20:35:26 $
* @since 3.0
* <p>
* This is a published and supported CAS Server 3 API.
* </p>
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  jar/org/jasig/cas/authentication/principal/Credentials.java

1.6493 read-package-tree 5.3.1

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1.6494 aws-java-sdk-cloudwatch 1.11.6

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

1.6501 readline 7.0-10.el8

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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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org.apache.tomcat:tomcat-jasper
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org.apache.tomcat:tomcat-jsp-api
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org.apache.tomcat:tomcat-jasper-el
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org.eclipse.jetty.toolchain:jetty-schemas

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1.6503 open-ws 1.4.2-1

1.6504 keyutils 1.5.9 8ubuntu1

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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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jar/io/netty/handler/traffic/ChannelTrafficShapingHandler.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/traffic/TrafficCounter.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/traffic/GlobalTrafficShapingHandler.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
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jar/io/netty/handler/ssl/OpenSsl.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/OpenSslX509Certificate.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/util/BouncyCastleSelfSignedCertGenerator.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/SniHandler.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/JdkNpnApplicationProtocolNegotiator.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/util/OpenJdkSelfSignedCertGenerator.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/PemReader.java
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  jar/io/netty/handler/ssl/OpenSslKeyMaterialProvider.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/OpenSslX509KeyManagerFactory.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/SignatureAlgorithmConverter.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/OpenSslTlsv13X509ExtendedTrustManager.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/OpenSslCachingX509KeyManagerFactory.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/OpenSslKeyMaterial.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/OpenSslPrivateKey.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/ExtendedOpenSslSession.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/OpenSslCachingKeyMaterialProvider.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/OpenSslX509TrustManagerWrapper.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/DefaultOpenSslKeyMaterial.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
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* /opt/cola/permits/110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2.jar/io/netty/handler/ssl/PemPrivateKey.java
jar/io/netty/handler/ssl/Java8SslUtils.java
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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.

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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 (dossier@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@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@class.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs (detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks (agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk).
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task).
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.
David Chase, then at Olivetti Research, suggested several improvements.
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC.
Jesse Hull and John Ellis supplied the C++ interface code.
Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.)
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* m4/ax_func_which_gethostbyname_r.m4

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Version 3.1, 31 March 2009

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AES in libhcrypto

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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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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.

(GEnie : OUTER; CIS : [71755,204]) Graven Imagery, 1992.

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file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

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1.6521 libasounddata 1.1.0-0ubuntu1

1.6521.1 Available under license :
This package was debianized by Wichert Akkerman 7 Jun 1998.
Masato Taruishi took over on 17 Oct 1999.
Since September 2002 it has been maintained by the participants
in the pkg-alsa project at alioth.debian.org.

Bugs in the source code (as opposed to bugs in the packaging) are best
reported to the upstream bug tracking system:

https://bugtrack.alsa-project.org/alsa-bug

The source code was downloaded from the ALSA homepage:

http://www.alsa-project.org/

alsa-lib
--------
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1.6522 vim-common 2:7.4.1689 3ubuntu1.2
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*uganda.txt* For Vim version 7.4. Last change: 2013 Jul 06
SUMMARY

Vim is Charityware. You can use and copy it as much as you like, but you are encouraged to make a donation for needy children in Uganda. Please see [kcc] below or visit the ICCF web site, available at these URLs:

http://iccf-holland.org/
http://www.vim.org/iccf/
http://www.iccf.nl/

You can also sponsor the development of Vim. Vim sponsors can vote for features. See [sponsor]. The money goes to Uganda anyway.

The Open Publication License applies to the Vim documentation, see [manual-copyright].

=== begin of license ===

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4) The contact information as required under 2)a) and 2)d) must not be removed or changed, except that the person himself can make corrections.

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=== end of license ===

Note:

- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.

- If you want to support further Vim development consider becoming a [sponsor]. The money goes to Uganda anyway.

- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.

- If you link Vim with a library that goes under the GNU GPL, this limits further distribution to the GNU GPL. Also when you didn't actually change anything in Vim.

- Once a change is included that goes under the GNU GPL, this forces all further changes to also be made under the GNU GPL or a compatible license.

- If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED_BY define.

==============================================================================
Kibaale Children's Centre		*kcc* *Kibaale* *charity*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.
The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

*donate*

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my
personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money:*iccf-donations*

Check the ICCF web site for the latest information! See [iccf] for the URL.

USA: The methods mentioned below can be used.
Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.
For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly.
Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.
Kibaale Children's Fund c/o Pacific Academy
10238-168 Street
Surrey, B.C. V4N 1Z4
Canada
Phone: 604-581-5353
If you make a donation to Kibaale Children's Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse. This will allow for tax deduction if you live in Holland.
Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return.
Check the ICCF web site for the latest information:
http://iccf-holland.org/germany.html

World: Use a postal money order. That should be possible from any
country, mostly from the post office. Use this name (which is
in my passport): "Abraham Moolenaar". Use Euro for the
currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form
that you can use for this. See "Others" below for the swift
code and IBAN number.
Any other method should work. Ask for information about
sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is
the most widely used Internet based payment system. It's
really simple to use. Use this link to find more info:
The e-mail address for sending the money to is:
Bram@iccf-holland.org
For amounts above 400 Euro ($500) sending a check is
preferred.

Others: Transfer to one of these accounts if possible:
Postbank, account 4548774
Swift code: INGB NL 2A
IBAN: NL95 INGB 0004 5487 74
under the name "stichting ICCF Holland", Lisse
If that doesn't work:
Rabobank Lisse, account 3765.05.117
Swift code: RABO NL 2U
under the name "Bram Moolenaar", Lisse
Otherwise, send a check in euro or US dollars to the address
below. Minimal amount: $70 (my bank does not accept smaller
amounts for foreign check, sorry)

Address to send checks to:
Bram Moolenaar
Finsterruetihof 1
8134 Adliswil
Switzerland

This address is expected to be valid for a long time.
if version < 600
  " Remove any old syntax stuff hanging around
  syn clear
elseif exists("b:current_syntax")
  finish
endif

" Product specification files are case sensitive
syn case match

syn keyword psfObject bundle category control_file depot distribution
syn keyword psfObject end file filesset host installed_software media
syn keyword psfObject product root subproduct vendor

syn match  psfUnquotString +[^\# ][^\#]+ contained
syn region psfQuotString  start=’’+ skip=’’+ end=’’+ contained

syn match  psfObjTag    "\[-_+A-Z0-9a-z]+(\[-_+A-Z0-9a-z]+)+")" contained
syn match  psfAttAbbrev "\<$\{fa\|fr\|[aclqrv]\}\(<\|>|<=|>=|=|==\)[^,]\}^" contained
syn match  psfObjTags   "\[-_+A-Z0-9a-z]+(\[-_+A-Z0-9a-z]+)+\}^" contained
syn match  psfNumber    "\d{1,}" contained
syn match  psfFloat     "\d{1,}\d{1,}\" contained
syn match  psfLongDate  "\d{1,}\d{1,}\d{1,}\d{1,}\d{1,}\d{1,}\d{1,}\d{1,}\d{1,}\d{1,}\" contained

syn keyword psfState    available configured corrupt installed transient contained
syn keyword psfPState   applied committed superseded contained
syn keyword psfBoolean  false true contained

"Some of the attributes covered by attUnquotString and attQuotString:
"  architecture category_tag control_directory copyright
"  create_date description directory file_permissions install_source
"  install_type location machine_type mod_date number os_name os_release
"  os_version pose_as_os_name pose_as_os_release readme revision
"  share_link title vendor_tag
syn region psfAttUnquotString matchgroup=psfAttrib start=-^\s*[^\# ]\+\s+[^\# ]^~rs=e-l contains=psfUnquotString.psfsComment end=-$~ keepend oneline

syn region psfAttQuotString matchgroup=psfAttrib start=-^\s*[^\# ]\+\s+"^"~rs=e-l contains=psfQuotString.psfsComment skip=-\"^~ matchgroup=psfQuotString end=-"~ keepend
"These regions are defined in attempt to do syntax checking for some
of the attributes.
syn region psfAttTag matchgroup=psfAttrib
start="\s*tag\s+" contains=psfObjTag psfComment end="$" keepend
oneline

syn region psfAttSpec matchgroup=psfAttrib
start="\s*(ancestor|applied_patches|applied_to|contents|corequisites|exrequisites|prerequisites|software_spec|
supersedes|superseded_by)\s+" contains=psfObjTag,psfAttAbbrev psfComment end="$" keepend

syn region psfAttTags matchgroup=psfAttrib
start="\s*all_filesets\s+" contains=psfObjTags psfComment end="$" keepend

syn region psfAttNumber matchgroup=psfAttrib
start="\s*(compressed_size|instance_id|media_sequence_number|sequence_number|size)\s+"
contains=psfNumber psfComment end="$" keepend
oneline

syn region psfAttTime matchgroup=psfAttrib
start="\s*(create_time|ctime|mod_time|mtime|timestamp)\s+"
contains=psfNumber psfComment end="$" keepend
oneline

syn region psfAttFloat matchgroup=psfAttrib
start="\s*(data_model_revision|layout_version)\s+"
contains=psfFloat psfComment end="$" keepend
oneline

syn region psfAttLongDate matchgroup=psfAttrib
start="\s*install_date\s+"
contains=psfLongDate psfComment end="$" keepend
oneline

syn region psfAttState matchgroup=psfAttrib
start="\s*(state)\s+"
contains=psfState psfComment end="$" keepend
oneline

syn region psfAttPState matchgroup=psfAttrib
start="\s*(patch_state)\s+"
contains=psfPState psfComment end="$" keepend
oneline

syn region psfAttBoolean matchgroup=psfAttrib
start="\s*(is_kernel|is_locatable|is_patch|is_protected|is_reboot|is_reference|is_secure|is_sparse)\s+"
contains=psfBoolean psfComment end="$" keepend
oneline

syn match psfComment "#.*$"

"Define the default highlighting.
"For version 5.7 and earlier: only when not done already
"For version 5.8 and later: only when an item doesn't have highlighting yet
if version >= 508 || !exists("did_psf_syntax_inits")
if version < 508
  let did_psf_syntax_inits = 1
  command -nargs=+ HiLink hi link <args>
else
  command -nargs=+ HiLink hi def link <args>
endif

HiLink psfObject       Statement
HiLink psfAttrib       Type
HiLink psfQuotString   String
HiLink psfObjTag       Identifier
HiLink psfAttAbbrev    PreProc
HiLink psfObjTags      Identifier

HiLink psfComment      Comment

delcommand HiLink
endif

" Long descriptions and copyrights confuse the syntax highlighting, so
" force vim to backup at least 100 lines before the top visible line
" looking for a sync location.
syn sync lines=100

let b:current_syntax = "psf"
This is the Debian pre-packaged version of vim. Vim is an almost compatible
version of the UNIX editor Vi. Many new features have been added: multi level
undo, syntax highlighting, command line history, on-line help, filename
completion, block operations, etc.

This package was put together by Wichert Akkerman <wakkerma@debian.org> from
is Debian VIM Maintainers <pkg-vim-maintainers@lists.alioth.debian.org>.

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1.6524 jackson-xc 2.5.4

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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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1.6525 e2fslibs 1.42.13 1ubuntu1.2

1.6525.1 Available under license:

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 @@
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 /*
 /**
 - Unix SMB/CIFS implementation.
 + trivial database library - standalone version

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 -
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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
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Theodore Ts'o
23-June-2007

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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \
  `echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$((INSTALL_PROGRAM) $(BSD_LIB) \ $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB) \ @-$(LDCONFIG)

install-strip: install-shlibs

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 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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Gadi Oxman, August 1995

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lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c
and the initial implementation of incremental propagation, including the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kproplog.c

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1.6531 python-ipaddress 1.0.17 1

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@end enumerate

@iftex
@heading END OF TERMS AND CONDITIONS
@end iftex
@ifinfo
@center END OF TERMS AND CONDITIONS
@end ifinfo

@page
@heading Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the ``copyright'' line and a pointer to where the full notice is found.

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@var{one line to give the program's name and a brief idea of what it does.}
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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
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@end example

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@samp{show c}; they could even be mouse-clicks or menu items---whatever
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You should also get your employer (if you work as a programmer) or your
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@example
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`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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- the GNU.Gettext.dll C# library,
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Version 2.1, February 1999

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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
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d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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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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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
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In May 2000, Guido and the Python core development team moved to
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1.6558 patch 2.7.6-3+deb10u1

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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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1.6564 libselinux1-dev 2.8-1+b1

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arch-tag: d4250e44-a0e0-4ee0-adb9-2bd74f6eeb27

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It is based somewhat on work done by Bruce Perens <Bruce@Pixar.com>, David Engel <david@elo.ods.com>. Michael Alan Dorman <mdorman@debian.org>, Richard Braakman <dark@xs4all.nl>, James Troup <jjtroup@comp.brad.ac.uk>, J.H.M. Dassen (Ray) <jdassen@wi.LeidenUniv.nl>, and Galen Hazelwood <galenh@micron.net> over various years.

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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DRuntime: Runtime Library for the D Programming Language
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Version 3.1, 31 March 2009

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========

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1.6582 dnsutils 1:9.11.3+dfsg 1ubuntu1.13

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Automated Testing Framework

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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 3a0982da308228d796df35f98d787c5cffe2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

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===========================================================================

vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2

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<xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
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1.6583 joda-time 2.8.1

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* /opt/cola/permits/1175933967_1626242894.49/0/bootstrap-3-3-5-jar/META-INF/resources/webjars/bootstrap/3.3.5/js/alert-js-gz/alert.js

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Open Source Used in DNAC Frost Platform Maglev 1.7.0 1.7.283 65989
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65998
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 66022

#dddddd;\n}
.panel-default {\n border-color: #dddddd;\n}
.panel-default > .panel-heading {\n color: #333333;\n background-color: #f5f5f5;\n border-color: #dddddd;\n}
.panel-default > .panel-heading + .panel-collapse > .panel-body {\n border-top-color: #dddddd;\n background-color: #f5f5f5;\n}
.panel-default > .panel-default > .panel-heading .badge {\n color: #f5f5f5;\n background-color: #333333;\n}
.panel-default > .panel-body + .panel-collapse > .panel-body {\n border-bottom-color: #dddddd;\n}
.panel-primary {\n border-color: #337ab7;\n}
.panel-primary > .panel-heading {\n color: #ffffff;\n background-color: #337ab7;\n border-color: #337ab7;\n}
.panel-primary > .panel-heading + .panel-collapse > .panel-body {\n border-top-color: #337ab7;\n}
.panel-success {\n border-color: #d6e9c6;\n}
.panel-success > .panel-heading {\n color: #3c763d;\n background-color: #dff0d8;\n border-color: #d6e9c6;\n}
.panel-success > .panel-heading + .panel-collapse > .panel-body {\n border-top-color: #d6e9c6;\n}
.panel-info {\n border-color: #bce8f1;\n}
.panel-info > .panel-heading {\n color: #31708f;\n background-color: #d9edf7;\n border-color: #bce8f1;\n}
.panel-info > .panel-heading + .panel-collapse > .panel-body {\n border-top-color: #bce8f1;\n}
.panel-warning {\n border-color: #faebcc;\n}
.panel-warning > .panel-heading {\n color: #8a6d3b;\n background-color: #fcf8e3;\n border-color: #faebcc;\n}
.panel-warning > .panel-heading + .panel-collapse > .panel-body {\n border-top-color: #faebcc;\n}
.panel-danger {\n border-color: #ebccd1;\n}
.panel-danger > .panel-heading {\n color: #a94442;\n background-color: #f2dede;\n border-color: #ebccd1;\n}
.panel-danger > .panel-heading + .panel-collapse > .panel-body {\n border-top-color: #ebccd1;\n}
.embed-responsive {\n position: relative;\n display: block;\n height: 0;\n padding: 0;\n overflow: hidden;\n}
.embed-responsive .embed-responsive-item, \n embed-responsive iframe, \n embed-responsive video {\n position: absolute;\n top: 0; left: 0; bottom: 0; right: 0;\n width: 100%;\n height: 100%;\n border: 0;\n}
.embed-responsive video {\n padding-bottom: 56.25%;\n}
.embed-responsive-16by9 {\n padding-bottom: 56.25%;\n}
.embed-responsive-4by3 {\n padding-bottom: 75%;\n}
.well {\n min-height: 20px;\n padding: 19px;\n margin-bottom: 20px;\n border-radius: 4px;\n -webkit-box-shadow: inset 0 1px 1px rgba(0, 0, 0, 0.05);\n border-radius: 4px;\n box-shadow: inset 0 1px 5px rgba(0, 0, 0, 0.05);\n}
.well blockquote {\n border-color: #ddd;\n border-color: rgba(0, 0, 0, 0.15);\n}
.well-lg {\n padding: 24px;\n border-radius: 6px;\n}
.well-sm {\n padding: 9px;\n border-radius: 3px;\n}
.close {\n float: right;\n font-size: 21px;\n font-weight: bold;\n line-height: 1;\n color: #000000;\n text-shadow: 0 1px 0 #ffffff;\n}
.close:hover,\n.close:focus {\n color: #000000;\n text-decoration: none;\n cursor: pointer;\n}
.modal-open {\n overflow: hidden;\n}
.modal {\n display: none;\n}
.modal {\n display: none;\n overflow: hidden;\n position: fixed;\n top: 0; left: 0; bottom: 0; right: 0;\n width: 100%;\n height: 100%;\n border: 0;\n}
.modal-open {\n overflow: hidden;\n}
.modal peça {\n display: none;\n overflow: hidden;\n position: fixed;\n top: 0; left: 0;\n z-index: 1050;\n -webkit-overflow-scrolling: touch;\n outline: 0;\n}
.modal.fade .modal-dialog {\n -webkit-transform: translateY(0, -25%);\n -ms-transform: translateY(0, -25%);\n transform: translateY(0, -25%);\n}
.modal-backdrop {\n position: relative;\n width: auto;\n margin: 10px;\n border: 0;\n background-color: #f5f5f5;\n opacity: 0.5;\n filter: alpha(opacity=50);\n}

color: rgba(0, 0, 0, 0);
}

.carousel-indicators .active {
  margin: 0;
  width: 12px;
  height: 12px;
}

.carousel-caption {
  position: absolute;
  left: 15%;
  right: 15%;
  bottom: 20px;
  padding-top: 20px;
  padding-bottom: 20px;
  color: #ffffff;
  text-shadow: 0 1px 2px rgba(0, 0, 0, 0.6);
}

.carousel-caption .btn {
  text-shadow: none;
}

@media screen and (min-width: 768px) {
  .carousel-control .glyphicon-chevron-left,
  .carousel-control .glyphicon-chevron-right,
  .carousel-control .icon-prev,
  .carousel-control .icon-next {
    width: 30px;
    height: 30px;
    margin-top: -15px;
    font-size: 30px;
  }
}

.carousel-indicators .active {
  margin-left: 15px;
  margin-right: 15px;
}

.carousel-control .glyphicon-chevron-right,
.carousel-control .icon-next {
  margin-right: -15px;
}

.carousel-control .icon-prev,
.carousel-control .icon-next {
  margin-left: 20%;
  margin-right: 20%;
  padding-bottom: 30px;
}

.carousel-indicators {
  margin-bottom: 20px;
}

.clearfix:before,
.clearfix:after,
.dl-horizontal dd:before,
.dl-horizontal dd:after,
.container:before,
.container:after,
.container-fluid:before,
.container-fluid:after,
.row:before,
.row:after,
.form-horizontal .form-group:before,
.form-horizontal .form-group:after,
.form-horizontal .form-group > :before,
.form-horizontal .form-group > :after > .btn-group:before,
.btn-group:before,
.btn-group:after > .btn-group:before,
.nav:before,
.nav:after,
.navbar:before,
.navbar:after,
.navbar-header:before,
.navbar-header:after,
.navbar-collapse:before,
.navbar-collapse:after,
.pager:before,
.pager:after,
.panel-body:before,
.panel-body:after,
.modal-body:before,
.modal-body:after,
.modal-footer:before,
.modal-footer:after {
  content: " ";
  display: table;
}

.clearfix:after,
.dl-horizontal dd:after,
.container:after,
.container-fluid:after,
.row:after,
.form-horizontal .form-group:after,
.form-horizontal .form-group > :after > .btn-group:after,
.nav:after,
.nav:after,
.navbar-header:after,
.navbar-collapse:after,
.pager:after,
.panel-body:after,
.modal-body:after,
.modal-footer:after,
.modal-footer:after {
  clear: both;
}

.center-block {
  display: block;
  margin-left: auto;
  margin-right: auto;
}

.pull-right {
  float: right !important;
}

.pull-left {
  float: left !important;
}

.hide {
  display: none !important;
}

.show {
  display: block !important;
}

.invisible {
  visibility: hidden;
}

.text-hide {
  font: 0/0 a;
  color: transparent;
  text-shadow: none;
  background-color: transparent;
  border: 0;
}

.hidden {
  display: none !important;
}

.affix {
  position: fixed;
}

@-ms-viewport {
  width: device-width;
}

.visible-xs,
.visible-sm,
.visible-md,
.visible-lg {
  display: none !important;
}

.visible-xs-block,
.visible-xs-inline,
.visible-xs-inline-block,
.visible-sm-block,
.visible-sm-inline,
.visible-sm-inline-block,
.visible-md-block,
.visible-md-inline,
.visible-md-inline-block,
.visible-lg-block,
.visible-lg-inline,
.visible-lg-inline-block {
  display: none !important;
}

@media (max-width: 767px) {
  .visible-xs {
    display: block !important;
    table.visible-xs {
      display: table !important;
      tr.visible-xs {
        display: table-row !important;
        td.visible-xs {
          display: table-cell !important;
        }
      }
    }
  }
}

@media (max-width: 767px) {
  .visible-xs-block {
    display: block !important;
  }
}

@media (max-width: 767px) {
  .visible-xs-inline {
    display: inline !important;
  }
}

@media (max-width: 767px) {
  .visible-xs-inline-block {
    display: inline-block !important;
  }
}

@media (min-width: 768px) and (max-width: 991px) {
  .visible-sm {
    display: block !important;
    table.visible-sm {
      display: table !important;
      tr.visible-sm {
        display: table-row !important;
        td.visible-sm {
          display: table-cell !important;
        }
      }
    }
  }
}

@media (min-width: 768px) and (max-width: 991px) {
  .visible-sm-block {
    display: block !important;
  }
}

@media (min-width: 768px) and (max-width: 991px) {
  .visible-sm-inline {
    display: inline !important;
  }
}

@media (min-width: 768px) and (max-width: 991px) {
  .visible-sm-inline-block {
    display: inline-block !important;
  }
}

@media (min-width: 992px) and (max-width: 1199px) {
  .visible-md {
    display: block !important;
    table.visible-md {
      display: table !important;
      tr.visible-md {
        display: table-row !important;
        td.visible-md {
          display: table-cell !important;
        }
      }
    }
  }
}

@media (min-width: 992px) and (max-width: 1199px) {
  .visible-md-block {
    display: block !important;
  }
}

@media (min-width: 992px) and (max-width: 1199px) {
  .visible-md-inline {
    display: inline !important;
  }
}

@media (min-width: 992px) and (max-width: 1199px) {
  .visible-md-inline-block {
    display: inline-block !important;
  }
}

@media (min-width: 1200px) {
  .visible-lg {
    display: block !important;
    table.visible-lg {
      display: table !important;
      tr.visible-lg {
        display: table-row !important;
        td.visible-lg {
          display: table-cell !important;
        }
      }
    }
  }
}

@media (min-width: 1200px) {
  .visible-lg-block {
    display: block !important;
  }
}

@media (min-width: 1200px) {
  .visible-lg-inline {
    display: inline !important;
  }
}

@media (min-width: 1200px) {
  .visible-lg-inline-block {
    display: inline-block !important;
  }
}

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padding-left: (@gutter / 2);\n padding-right: (@gutter / 2);\n @media (min-width: @screen-md-min) {\n  float: left;\n width: percentage((@columns / @grid-columns));\n }\n @media (min-width: @screen-lg-min) {\n margin-left: percentage((@columns / @grid-columns));\n }\n @media (min-width: @screen-md-min) {\n  position: relative;\n min-height: 1px;\n padding-left: (@gutter / 2);\n padding-right: (@gutter / 2);\n @media (min-width: @screen-lg-min) {\n  float: left;\n width: percentage((@columns / @grid-columns));\n }\n @media (min-width: @screen-md-min) {\n right: percentage((@columns / @grid-columns));\n }\n @media (min-width: @screen-lg-min) {\n }\n Generated the large columns\n @media (min-width: @screen-lg-min) {\n margin-left: percentage((@columns / @grid-columns));\n }\n @media (min-width: @screen-md-min) {\n }\n @media (min-width: @screen-lg-min) {\n }\n "Framework grid generation"\n Used only by Bootstrap to generate the correct number of grid classes given any value of @grid-columns\n @media (min-width: @screen-md-min) {\n width: percentage((@index / @grid-columns));\n }\n @media (min-width: @screen-lg-min) {\n margin-left: percentage((@index / @grid-columns));\n }\n \n \n // Framework grid generation\n @media (min-width: @screen-md-min) {\n float: left;\n width: percentage((@columns / @grid-columns));\n }\n @media (min-width: @screen-lg-min) {\n margin-left: percentage((@columns / @grid-columns));\n }\n \n \n // Tables\n \n \n \n
Add borders all around the table and between all the columns.

// Bordered version

// Zebra-stripe-styles (alternating gray and transparent backgrounds)

// Hover effect

// Placement here since it has to come after the potential zebra striping

// Normalized table

// Generate the contextual variants

// Responsive tables

// Table

// Hover effect

// Override form controls

// While most of our form styles require extra classes, some basic normalization is required to

label {
  padding: 0;
  margin-bottom: @line-height-computed;
  font-size: (@font-size-base * 1.5);
  line-height: normal;
  color: @legend-color;
  border: 0;
  border-bottom: 1px solid @legend-border-color;
}

legend {
  display: block;
  width: 100%;

  // Nuke the appropriate borders so that the parent can handle them
  > th:first-child,
  > td:first-child {
    border-left: 0;
  }
  > th:last-child,
  > td:last-child {
    border-right: 0;
  }
}

// Special overrides for the bordered tables

// Tighten up spacing

// Table col

// Hover effect

// Placed here since it has to come after the potential zebra striping

// Zebra-striping

// Default zebra-hover styles (alternating gray and transparent backgrounds)

// Table cell sizing

// Reset default table behavior

// Generate the contextual variants

// Responsive tables

// Table

// Hover effect

// Override form controls

// While most of our form styles require extra classes, some basic normalization is required to

label {
  padding: 0;
  margin-bottom: @line-height-computed;
  font-size: (@font-size-base * 1.5);
  line-height: normal;
  color: @legend-color;
  border: 0;
  border-bottom: 1px solid @legend-border-color;
}

legend {
  display: block;
  width: 100%;

  // Nuke the appropriate borders so that the parent can handle them
  > th:first-child,
  > td:first-child {
    border-left: 0;
  }
  > th:last-child,
  > td:last-child {
    border-right: 0;
  }
}

// Special overrides for the bordered tables

// Tighten up spacing

// Table col
content-box in Normalize (* isn’t specific enough)\n\ninput[type="search"] {\n  .box-sizing:border-box; \n}\n// Position radios and checkboxes better\ninput[type="radio"], input[type="checkbox"] {\n  margin: 4px 0; \n  margin-top: 1px; \n  // IE8-9\n  line-height: normal; \n}\n\ninput[type="file"] {\n  display: block; \n}\n// Make range inputs behave like textual form controls\ninput[type="range"] {\n  display: block; \n  width: 100%; \n}\n// Make multiple select elements height not fixed\nselect[multiple], select[size] {\n  height: auto; \n}\n// Focus for file, radio, and checkbox\ninput[type="file"], input[type="radio"], input[type="checkbox"] {\n  .focus(); \n}\n\n\n// Adjust output element\noutput {\n  display: block; \n  padding-top: (@padding-base-vertical + 1); \n  line-height: @line-height-base; \n  color: @input-color; \n}\n// Common form controls\n\n// Shared size and type resets for form controls. Apply `.form-control` to any of the following form controls:\nselect\ntextarea\ninput[type="text"]\ninput[type="password"]\ninput[type="datetime"]\ninput[type="datetime-local"]\ninput[type="date"]\ninput[type="month"]\ninput[type="time"]\ninput[type="week"]\ninput[type="number"]\ninput[type="email"]\ninput[type="url"]\ninput[type="search"]\ninput[type="tel"]\ninput[type="color"]\n\n.form-control {\n  display: block; \n  width: 100%; \n  height: @input-height-base; \n  background-color: @input-bg; \n  background-image: none; \n  // Reset unusual Firefox-on-Android default style; see https://github.com/necolas/normalize.css/issues/214 \n  border: 1px solid @input-border; \n  border-radius: @input-border-radius; \n  cursor: @cursor-disabled; \n  // Reset height for `textarea` & `select`: \n  textarea & {\n    height: auto; \n    \n}\n// Search inputs in iOS\n\n// This overrides the extra rounded corners on search inputs in iOS so that our `form-control` class can properly style them. Note that this cannot simply be added to `.form-control` as it’s not specific enough. For details, see https://github.com/twbs/bootstrap/issues/11586. \n\n// Special styles for iOS temporal inputs\n@media screen and (-webkit-min-device-pixel-ratio: 0) {\n  input[type="date"], input[type="time"], input[type="datetime-local"], input[type="month"] {\n    &.form-control {\n      line-height: @input-height-base; \n    }\n    &.input-sm, .input-group-sm & {\n      line-height: @input-height-small; \n    }\n    &.input-lg, .input-group-lg & {\n      line-height: @input-height-large; \n    }\n  }\n}\n// Form groups\n\n// Designed to help with the organization and spacing of vertical forms. For horizontal forms, use the predefined grid classes.\n.form-group {\n  margin-bottom: @form-group-margin-bottom; \n}\n// Checkboxes and radios\n\n// Indent the labels to position radios/checkboxes as hanging controls.\n\nradio, checkbox {\n  position: relative; \n  display: block; \n  margin-top: 10px; \n  margin-bottom: 10px; \n  label {\n    min-height: @line-height-computed; \n    // Ensure the input doesn’t jump when there is no text\n    padding-left: 20px; \n    margin-bottom: 0; \n    font-weight: normal; \n    cursor: pointer; \n  }\n}\n\nradio {\n  display: block; \n  margin-bottom: 10px; \n}\n\n.radio-inline input[type="radio"]\n\n.checkbox-inline input[type="checkbox"] {\n  position: absolute; \n  margin-left: -20px; \n  margin-top: 4px; \n  line-height: @line-height-base; \n  \n}\n\n// Move up sibling radios or checkboxes for tighter spacing\n\n// Radios and checkboxes on same line\n\n.radio-inline, .checkbox-inline {\n  display: block; \n  \n}\n
formatting, or instructional text.

`.help-block` { display: block; // account for any element using help-block
  margin-top: 5px;
  margin-bottom: 10px;
  color: lighten(@text-color, 25%); // lighten the text some for contrast
}

Inline forms

Inline forms begin stacked on extra small (mobile) devices and then go inline when viewport reach <768px.

Requiring wrapping inputs and labels with `.form-group` for proper display of default HTML form controls and our custom form controls (e.g., input groups).

`navbar-form` in navbars.less.

`.form-inline` { // Kick in the inline
  @media (min-width: @screen-sm-min) { 
    // Inline-block all the things for `inline`
    .form-group { display: inline-block;
      margin-bottom: 0;
      vertical-align: middle;
    } 
    // In navbar-form, allow folks to *not* use `.form-group`.
    .form-control { display: inline-block;
      width: auto; // Prevent labels from stacking above inputs in `.form-group`
      vertical-align: middle;
    } 
    // Make static controls behave like regular ones
    .form-control-static { display: inline-block;
      .input-group { display: inline-table;
        vertical-align: middle;
        input-group-addon, 
        .input-group-btn, 
        .form-control { width: auto; 
        } 
        // Input groups need that 100% width
        though
        input-group > .form-control { width: 100%; 
        } 
        .control-label { margin-bottom: 0;
          vertical-align: middle;
        } 
        // Remove default margin on radios/checkboxes that were used for stacking, and
        // then undo the floating of radios and checkboxes to match.
        .radio, 
        .checkbox { display: inline-block;
          margin-top: 0;
          margin-bottom: 0;
          vertical-align: middle;
        } 
        // Position radio input within.
        input[type="radio"] .checkbox input[type="checkbox"] { position: relative;
          margin-left: 0; 
        } 
        // Re-override the feedback icon.
        .has-feedback .form-control-feedback { top: 0;
        } 
        // Horizontal forms build on grid classes and allow you to create forms within
        labels on the left and inputs on the right.
        .form-horizontal { // Consistent vertical alignment of radios and checkboxes
          // Labels also get some reset styles, but that is scoped to a media query below.
          .radio, 
          .checkbox, 
          .radio-inline, 
          .checkbox-inline { margin-top: 0;
            margin-bottom: 0;
            padding-top: (@padding-base-vertical + 1); // Default padding plus a border
        } 
        // Account for padding we're adding to ensure the alignment and of help text
        // and other content below items.
        .radio, 
        .checkbox { min-height: (@line-height-computed + (@padding-base-vertical + 1));
        } 
        // Make form groups behave like rows
        .form-group { 
            padding-left: 0;
            padding-right: 0;
            margin-left: 0;
        } 
        .radio input[type="radio"] .checkbox input[type="checkbox"] { position: relative;
          margin-left: 0; 
        } 
        // Validation states
        // Reposition the icon because it's now within a grid column and columns have
        // 'position: relative; on them. Also accounts for the grid gutter padding.
        .has-feedback .form-control-feedback { right: floor((@grid-gutter-width / 2));
        } 
        // Form group sizes
        // Quick utility class for applying `.input-lg` and `.input-sm` styles to the
        // inputs and labels within a `.form-group`
        .form-group-lg { 
            @media (min-width: @screen-sm-min) { 
                .control-label { padding-top: (@padding-base-vertical + 1);
            // Default padding plus a border
            } 
        } 
        // Validation states
        // Re-position the icon because it's now within a grid column and columns have
        // 'position: relative;' on them. Also accounts for the grid gutter padding.
        .has-feedback .form-control-feedback { right: floor((@grid-gutter-width / 2));
        } 
        // Form group sizes
        // Quick utility class for applying `.input-lg` and `.input-sm` styles to the
        // inputs and labels within a `.form-group`
        .form-group-lg { 
            @media (min-width: @screen-sm-min) { 
                .control-label { padding-top: (@padding-base-vertical + 1);
            // Font size
            font-size: @font-size-large;
        } 
        // Form validation states
        // Used in forms less to generate the form validation CSS for warnings, errors, and successes.

        .control-label { text-align: right;
          margin-bottom: 0;
          padding-top: (@padding-base-vertical + 1);
        // Default padding plus a border
        } 
        // Validation states
        // Re-position the icon because it's now within a grid column and columns have
        // 'position: relative;' on them. Also accounts for the grid gutter padding.
        .has-feedback .form-control-feedback { right: floor((@grid-gutter-width / 2));
        } 
        // Form group sizes
        // Quick utility class for applying `.input-lg` and `.input-sm` styles to the
        // inputs and labels within a `.form-group`
        .form-group-lg { 
            @media (min-width: @screen-sm-min) { 
                .control-label { padding-top: (@padding-base-vertical + 1);
            // Font size
            font-size: @font-size-large;
        } 
        // Form validation states
        // Used in forms less to generate the form validation CSS for warnings, errors, and successes.

        .control-label { text-align: right;
          margin-bottom: 0;
          padding-top: (@padding-base-vertical + 1);
        // Default padding plus a border
        } 
        // Validation states
        // Re-position the icon because it's now within a grid column and columns have
        // 'position: relative;' on them. Also accounts for the grid gutter padding.
        .has-feedback .form-control-feedback { right: floor((@grid-gutter-width / 2));
        } 
        // Form group sizes
        // Quick utility class for applying `.input-lg` and `.input-sm` styles to the
        // inputs and labels within a `.form-group`
        .form-group-lg { 
            @media (min-width: @screen-sm-min) { 
                .control-label { padding-top: (@padding-base-vertical + 1);
            // Font size
            font-size: @font-size-large;
        } 
        // Form validation states
        // Used in forms less to generate the form validation CSS for warnings, errors, and successes.
border-focus` variable.

We highly encourage you to not customize the default value, but instead use this to tweak colors on an as-needed basis. This aesthetic change is based on WebKit’s default styles, but applicable to a wider range of browsers. It's usability and accessibility should be taken into account with any change.

Example usage: change the default blue border and shadow to white for better contrast against a dark gray background.

```
.form-control-focus(@color: @input-border-focus) {
  @color-rgba: rgba(red(@color),
green(@color), blue(@color), .6);&n &:focus { @border-color: @color;
  outline: 0;
  .box-shadow(~"inset 0 1px 1px rgba(0,0,0,.075), 0 0 8px @color-rgba");&n
  &:focus { border-radius: @input-border-radius;
    padding: @padding-vertical @padding-horizontal;
    @font-size; @line-height; @border-radius; &n
    padding: @padding-vertical @padding-horizontal;
    @font-size: @font-size @line-height; &n
    background: @border-radius; &n
    select & { border-radius: @input-border-radius;
      height: @input-height;
    }
  }
}
```

```
// Form control sizing

// Relative text size, padding, and border-radius changes for form controls. For

// horizontal sizing, wrap controls in the predefined grid classes. `<select>`

.input-size(@input-height; @padding-vertical; @padding-horizontal; @font-size; @line-height; @border-radius) {
  height: @input-height;
  padding: @padding-vertical @padding-horizontal;
  font-size: @font-size;
  line-height: @line-height;
  border-radius: @border-radius;

  select & {
    height: @input-height;
    line-height: @input-height;
  }
}
```

```
// Buttons

.btn {
  display: inline-block;
  margin-bottom: 0;

  // For input.btn font-weight: @btn-font-weight;
  text-align: center;
  vertical-align: middle;
  touch-action: manipulation;
  cursor: pointer;
  background-image: none;

  // Reset unusual Firefox-on-Android default style; see https://github.com/necolas/normalize.css/issues/214
  border: 1px solid transparent;

  // text-decoration: none; // Reset unusual Firefox-on-Android default style; see https://github.com/necolas/normalize.css/issues/214

  .button-size(@padding-base-vertical; @padding-base-horizontal; @font-size-base; @line-height-base; @btn-border-radius-base);

  &:active,
  &.active {
    &:focus,
    &.focus {
      .box-shadow(inset 0 3px 5px rgba(0,0,0,.125));
    }

    &:hover,
    &:focus {
      color: @btn-default-color;
      text-decoration: @link-hover-decoration;
    }

    &:disabled,
    fieldset[disabled] & {
      &:hover,
      &:focus {
        color: @btn-link-disabled-color;
        text-decoration: none;
      }
    }
  }
}
```

```
// Link buttons

.btn-link {
  color: @link-color;

  &:active,
  &:focus {
    color: @link-hover-color;
    text-decoration: @link-hover-decoration;
  }

  &:disabled,
  fieldset[disabled] & {
    &:hover,
    &:focus {
      color: @link-disabled-color;
      text-decoration: none;
    }
  }
}
```

```
// Button Sizes

.btn-lg {
  // line-height: ensure even-numbered height of button next to large input
  .button-size(@padding-large-vertical; @padding-large-horizontal; @font-size-large; @line-height-large; @btn-border-radius-large);

  &:active,
  &:focus {
    border-radius: @btn-border-radius-large;
  }
}
```

```
.btn-sm {
  // line-height: ensure proper height of button next to small input
  .button-size(@padding-small-vertical; @padding-small-horizontal; @font-size-small; @line-height-small; @btn-border-radius-small);

  &:active,
  &:focus {
    border-radius: @btn-border-radius-small;
  }
}
```

```
.btn-xs {
  .button-size(@padding-xs-vertical; @padding-xs-horizontal; @font-size-small; @line-height-small; @btn-border-radius-small);
}
```

```
.btn-block {
  display: block;
  width: 100%;
}
```

```
.btn-block + .btn-block {
  margin-top: 5px;
}
```

```
input[type="submit"],
input[type="reset"],
input[type="button"] {
  &:active,
  &:focus {
    color: @link-disabled-color;
    text-decoration: none;
  }
}
```

```
```

---

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---
variant(@background; @border; @text-color) {\n  background-color: @background;\n  border-color: @border;\n  color: @text-color;\n}\nhr {\n  background-color: darken(@border, 5%);\n  background-size: 1px;\n  border-color: @border;\n  color: @text-color;\n}\nprogress-bar-stripes {\n  background-position: 40px 0;\n  background-size: 40px 40px;\n  color: @text-color;\n  transition: width 0.6s ease;\n  width: 0%;\n}\nprogress-bar {\n  background-color: @progress-color;\n  background-size: 40px 40px;\n  background-image: -webkit-linear-gradient(left, @progress-color, @progress-color @color-stop, @progress-color @progress-size);\n  border-radius: @progress-border-radius;\n  color: @text-color;\n  font-size: @text-font-size;\n  text-align: center;\n  transition: width 0.6s ease;\n  width: 0%;\n}\nprogress-bar-striped {\n  background-size: 40px 40px;\n  background-image: -webkit-linear-gradient(left, @progress-color, @progress-color @color-stop, @progress-color @progress-size);\n  background-position: 0px 0;\n  background-size: 40px 40px;\n  color: @text-color;\n  transition: width 0.6s ease;\n  width: 0%;\n}\nprogress-bar-success {\n  background-color: @progress-success-color;\n  background-size: 40px 40px;\n  background-image: -webkit-linear-gradient(left, @progress-success-color, @progress-success-color @color-stop, @progress-success-color @progress-size);\n  border-radius: @progress-border-radius;\n  color: @text-color;\n  font-size: @text-font-size;\n  text-align: center;\n  transition: width 0.6s ease;\n  width: 0%;\n}\nprogress-bar-info {\n  background-color: @progress-info-color;\n  background-size: 40px 40px;\n  background-image: -webkit-linear-gradient(left, @progress-info-color, @progress-info-color @color-stop, @progress-info-color @progress-size);\n  border-radius: @progress-border-radius;\n  color: @text-color;\n  font-size: @text-font-size;\n  text-align: center;\n  transition: width 0.6s ease;\n  width: 0%;\n}\nprogress-bar-warning {\n  background-color: @progress-warning-color;\n  background-size: 40px 40px;\n  background-image: -webkit-linear-gradient(left, @progress-warning-color, @progress-warning-color @color-stop, @progress-warning-color @progress-size);\n  border-radius: @progress-border-radius;\n  color: @text-color;\n  font-size: @text-font-size;\n  text-align: center;\n  transition: width 0.6s ease;\n  width: 0%;\n}\nprogress-bar-danger {\n  background-color: @progress-danger-color;\n  background-size: 40px 40px;\n  background-image: -webkit-linear-gradient(left, @progress-danger-color, @progress-danger-color @color-stop, @progress-danger-color @progress-size);\n  border-radius: @progress-border-radius;\n  color: @text-color;\n  font-size: @text-font-size;\n  text-align: center;\n  transition: width 0.6s ease;\n  width: 0%;\n}\nprogress-active {\n  background-color: @progress-active-color;\n  background-size: 40px 40px;\n  background-image: -webkit-linear-gradient(left, @progress-active-color, @progress-active-color @color-stop, @progress-active-color @progress-size);\n  border-radius: @progress-active-border-radius;\n  color: @text-color;\n  font-size: @text-font-size;\n  text-align: center;\n  transition: width 0.6s ease;\n  width: 0%;\n}\nprogress-active-striped {\n  background-size: 40px 40px;\n  background-image: -webkit-linear-gradient(left, @progress-active-color, @progress-active-color @color-stop, @progress-active-color @progress-size);\n  background-position: 40px 0;\n  background-size: 40px 40px;\n  color: @text-color;\n  transition: width 0.6s ease;\n  width: 0%;\n}\nprogress-active-warning {\n  background-size: 40px 40px;\n  background-image: -webkit-linear-gradient(left, @progress-active-color, @progress-active-color @color-stop, @progress-active-color @progress-size);\n  background-position: 40px 0;\n  background-size: 40px 40px;\n  color: @text-color;\n  transition: width 0.6s ease;\n  width: 0%;\n}\nprogress-active-danger {\n  background-size: 40px 40px;\n  background-image: -webkit-linear-gradient(left, @progress-active-color, @progress-active-color @color-stop, @progress-active-color @progress-size);\n  background-position: 40px 0;\n  background-size: 40px 40px;\n  color: @text-color;\n  transition: width 0.6s ease;\n  width: 0%;\n}\nprogress-bar-variant {\n  background-color: @progress-bar-variant-color;\n  background-size: 40px 40px;\n  background-image: -webkit-linear-gradient(left, @progress-bar-variant-color, @progress-bar-variant-color @color-stop, @progress-bar-variant-color @progress-size);\n  border-radius: @progress-border-radius;\n  color: @text-color;\n  font-size: @text-font-size;\n  text-align: center;\n  transition: width 0.6s ease;\n  width: 0%;\n}\nprogress-bar-variant-striped {\n  background-size: 40px 40px;\n  background-image: -webkit-linear-gradient(left, @progress-bar-variant-color, @progress-bar-variant-color @color-stop, @progress-bar-variant-color @progress-size);\n  background-position: 40px 0;\n  background-size: 40px 40px;\n  color: @text-color;\n  transition: width 0.6s ease;\n  width: 0%;\n}\nprogress-bar-variant-warning {\n  background-size: 40px 40px;\n  background-image: -webkit-linear-gradient(left, @progress-bar-variant-color, @progress-bar-variant-color @color-stop, @progress-bar-variant-color @progress-size);\n  background-position: 40px 0;\n  background-size: 40px 40px;\n  color: @text-color;\n  transition: width 0.6s ease;\n  width: 0%;\n}\nprogress-bar-variant-danger {\n  background-size: 40px 40px;\n  background-image: -webkit-linear-gradient(left, @progress-bar-variant-color, @progress-bar-variant-color @color-stop, @progress-bar-variant-color @progress-size);\n  background-position: 40px 0;\n  background-size: 40px 40px;\n  color: @text-color;\n  transition: width 0.6s ease;\n  width: 0%;\n}\nprogress-bar-striped {\n  background-size: 40px 40px;\n  background-image: -webkit-linear-gradient(left, @progress-bar-striped-color, @progress-bar-striped-color @color-stop, @progress-bar-striped-color @progress-size);\n  border-radius: @progress-border-radius;\n  color: @text-color;\n  font-size: @text-font-size;\n  text-align: center;\n  transition: width 0.6s ease;\n  width: 0%;\n}\nprogress-bar-striped-active {\n  background-size: 40px 40px;\n  background-image: -webkit-linear-gradient(left, @progress-bar-striped-active-color, @progress-bar-striped-active-color @color-stop, @progress-bar-striped-active-color @progress-size);\n  border-radius: @progress-border-radius;\n  color: @text-color;\n  font-size: @text-font-size;\n  text-align: center;\n  transition: width 0.6s ease;\n  width: 0%;\n}\nprogress-bar-success {\n  background-size: 40px 40px;\n  background-image: -webkit-linear-gradient(left, @progress-success-color, @progress-success-color @color-stop, @progress-success-color @progress-size);\n  border-radius: @progress-border-radius;\n  color: @text-color;\n  font-size: @text-font-size;\n  text-align: center;\n  transition: width 0.6s ease;\n  width: 0%;\n}\nprogress-bar-info {\n  background-size: 40px 40px;\n  background-image: -webkit-linear-gradient(left, @progress-info-color, @progress-info-color @color-stop, @progress-info-color @progress-size);\n  border-radius: @progress-border-radius;\n  color: @text-color;\n  font-size: @text-font-size;\n  text-align: center;\n  transition: width 0.6s ease;\n  width: 0%;\n}\nprogress-bar-warning {\n  background-size: 40px 40px;\n  background-image: -webkit-linear-gradient(left, @progress-warning-color, @progress-warning-color @color-stop, @progress-warning-color @progress-size);\n  border-radius: @progress-border-radius;\n  color: @text-color;\n  font-size: @text-font-size;\n  text-align: center;\n  transition: width 0.6s ease;\n  width: 0%;\n}\nprogress-bar-danger {\n  background-size: 40px 40px;\n  background-image: -webkit-linear-gradient(left, @progress-danger-color, @progress-danger-color @color-stop, @progress-danger-color @progress-size);\n  border-radius: @progress-border-radius;\n  color: @text-color;\n  font-size: @text-font-size;\n  text-align: center;\n  transition: width 0.6s ease;\n  width: 0%;\n}
```html
> td, th {
>       border-bottom: 0;
>     }
> .table-responsive {
>     border: 0;
>     margin-bottom: 0;
>   }

// Collapsable panels (aka, accordion)

.panel-group {
  margin-bottom: @line-height-computed;
  
  // Tighten up margin so it's only between panels
  .panel {
    margin-bottom: 0;
    border-radius: @panel-border-radius;
    + .panel {
      margin-top: 5px;
      }   
  }
  .panel-heading {
    border-bottom: 0;
    + .panel-collapse > .panel-body,
    + .panel-collapse > .list-group {
      border-top: 1px solid @panel-inner-border;
    }
  }
  .panel-footer {
    border-top: 0;
    + .panel-collapse
  }
  .panel-body {
    margin-bottom: 1px solid @panel-inner-border;
  }
}

// Contextual variations
.panel-default {
  .panel-variant(@panel-default-border; @panel-default-text; @panel-default-heading-bg; @panel-default-border);
}
.panel-primary {
  .panel-variant(@panel-primary-border; @panel-primary-text; @panel-primary-heading-bg; @panel-primary-border);
}
.panel-success {
  .panel-variant(@panel-success-border; @panel-success-text; @panel-success-heading-bg; @panel-success-border);
}
.panel-info {
  .panel-variant(@panel-info-border; @panel-info-text; @panel-info-heading-bg; @panel-info-border);
}
.panel-warning {
  .panel-variant(@panel-warning-border; @panel-warning-text; @panel-warning-heading-bg; @panel-warning-border);
}
.panel-danger {
  .panel-variant(@panel-danger-border; @panel-danger-text; @panel-danger-heading-bg; @panel-danger-border);
}

// Embeds responsive

.embed-responsive {
  position: relative;
  display: block;
  height: 0;
  padding: 0;
  overflow: hidden;
  .embed-responsive-item,
  iframe,
  embed,
  object,
  video {
    position: absolute;
    top: 0;
    left: 0;
    bottom: 0;
    width: 100%;
    height: 100%;
    border: 0;
  }
}
.embed-responsive-16by9 {
  padding-bottom: 56.25%;
}
.embed-responsive-4by3 {
  padding-bottom: 75%;
}

// Wells

.well {
  min-height: 20px;
  padding: 19px;
  margin-bottom: 20px;
  background-color: @well-bg;
  border: 1px solid @well-border;
  border-radius: @border-radius-base;
  box-shadow: inset 0 1px 1px rgba(0,0,0,.05);
  blockquote {
    border-color: rgba(0,0,0,.15);
    background-color: @well-bg;
    padding: 9px;
  }
  .well-sm {
    padding: 9px;
    border-radius: @border-radius-small;
  }
}

// Close icons

.close {
  float: right;
  font-size: (@font-size-base * 1.5);
  font-weight: @close-font-weight;
  line-height: 1;
  color: @close-color;
  text-shadow: @close-text-shadow;
  opacity(.2);
  &:hover,
  &:focus {
    color: @close-color;
    text-decoration: none;
    cursor: pointer;
  }
  button {
    padding: 0;
    cursor: pointer;
    background: transparent;
    border: 0;
    -webkit-appearance: none;
  }
}

// Modals

.modal-open {
  overflow: hidden;
}

.modal {
  display: none;
  position: fixed;
  top: 0;
  right: 0;
  bottom: 0;
  left: 0;
  z-index: 1050;
  outline: 0;
  visibility: hidden;
  // Prevent Chrome on Windows from adding a focus outline. For details, see
  // iOs requires the button element instead of an anchor tag.
  // If you want the anchor version, it requires
  // See https://developer.mozilla.org/en-US/docs/Web/Events/click#Safari_Mobile
  // button& {
  // padding: 0;
  // cursor: pointer;
  // background: transparent;
  // border: 0;
  // -webkit-appearance: none;
  // }
  // .modal-open .modal {
  // overflow: hidden;
  // Container that the modal scrolls within
  // position: fixed;
  // top: 0;
  // bottom: 0;
  // left: 0;
  // z-index: @z-index-modal;
  // -webkit-overflow-scrolling: touch;
  // // Prevent Chrome on Windows from adding a focus outline. For details, see
  // // https://github.com/twbs/bootstrap/pull/10951
  // // When fading in the modal, animate it to slide down & fade modal-dialog
  // .translate(-25%);
  // transition-transform(-0.3s ease-out);
  // &:
  // .modal-open .modal {
  // overflow-x: hidden;
  // overflow-y: auto;
  // }
  // Shell div to position the modal with bottom padding
  // position: relative;
  // width: auto;
  // margin: 10px;
  // Actual modal
  // .modal-content
  // position: relative;
  // background-color: @modal-content-bg;
```
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 66057
Support for responsive views via media queries is kind of borked in IE10, for Surface/desktop in split view and for Windows Phone 8. This particular fix/aa/ must be accompanied by a snippet of JavaScript to sniff the user agent and apply some conditional CSS to "only" the Surface/desktop Windows 8. Look at aa/our Getting Started page for more information on this bug.aa/ For more information, see the following: aa/ Issue: https://github.com/twbs/bootstrap/issues/10497 

Docs: http://getbootstrap.com/2013/01/windows-phone-8-and-device-width/ 

For more information, see the following:

Issue: https://github.com/twbs/bootstrap/issues/10497
Docs: http://getbootstrap.com/getting-started/#support-ie10-width
Source: http://timkadlec.com/2012/10/ie10-snap-mode-and-responsive-design/
Source: http://timkadlec.com/2013/01/windows-phone-8-and-device-width/
Source: http://timkadlec.com/2012/10/ie10-snap-mode-and-responsive-design/
Source: http://timkadlec.com/2012/10/ie10-snap-mode-and-responsive-design/
Source: http://timkadlec.com/2013/01/windows-phone-8-and-device-width/
Source: http://timkadlec.com/2012/10/ie10-snap-mode-and-responsive-design/
Source: http://timkadlec.com/2012/10/ie10-snap-mode-and-responsive-design/
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Source: http://timkadlec.com/2012/10/ie10-snap-mode-and-responsive-design/
Source: http://timkadlec.com/2012/10/ie10-snap-mode-and-responsive-design/

@-

ms-viewport {
  width: device-width;
}

// Visibility utilities
// Note: Deprecated .visible-xs, .visible-sm, .visible-md, and .visible-lg as of v3.2.0

.visible-xs,
.visible-sm,
.visible-md,
.visible-lg {
  .responsive-visibility();
}

.visible-xs-block,
.visible-xs-inline,
.visible-xs-inline-block,
.visible-sm-block,
.visible-sm-inline,
.visible-sm-inline-block,
.visible-md-block,
.visible-md-inline,
.visible-md-inline-block,
.visible-lg-block,
.visible-lg-inline,
.visible-lg-inline-block {
  display: none !important;
}

.media {
  @media (max-width: @screen-max) {
    .visible-xs {
      display: block !important;
    }
  }
}

@media (min-width: @screen-sm-min) {
  .visible-sm {
    display: block !important;
  }
}

@media (min-width: @screen-md-min) {
  .visible-md {
    display: block !important;
  }
}

@media (min-width: @screen-lg-min) {
  .visible-lg {
    display: block !important;
  }
}

.hidden-xs {
  @media (max-width: @screen-max) {
    display: none !important;
  }
}

.hidden-sm {
  @media (min-width: @screen-sm-min) {
    display: none !important;
  }
}

.hidden-md {
  @media (min-width: @screen-md-min) {
    display: none !important;
  }
}

.hidden-lg {
  @media (min-width: @screen-lg-min) {
    display: none !important;
  }
}

@media (max-width: @screen-max) {
  .responsive-visibility();
}

@media (min-width: @screen-sm-min) {
  .responsive-visibility();
}

@media (min-width: @screen-md-min) {
  .responsive-visibility();
}

@media (min-width: @screen-lg-min) {
  .responsive-visibility();
}

@media (min-width: @screen-sm-min) {
  .visible-sm {
    display: none !important;
  }
}

@media (min-width: @screen-md-min) {
  .visible-md {
    display: none !important;
  }
}

@media (min-width: @screen-lg-min) {
  .visible-lg {
    display: none !important;
  }
}

@media (max-width: @screen-max) {
  .visible-print {
    display: none !important;
  }
}

@media print {
  .visible-print {
    display: block !important;
  }
}

@media print {
  .visible-print-block {
    display: none !important;
  }
}

@media print {
  .visible-print-inline {
    display: none !important;
  }
}

@media print {
  .visible-print-inline-block {
    display: none !important;
  }
}

@media print {
  .hidden-print {
    display: none !important;
  }
}
No license file was found, but licenses were detected in source scan.

/!
* Bootstrap v3.3.5 (http://getbootstrap.com)
* Copyright 2011-2015 Twitter, Inc.
* Licensed under the MIT license
*/

Found in path(s):
* /opt/cola/permits/1175933967_1626242894.49/0/bootstrap-3-3-5-jar/META-INF/resources/webjars/bootstrap/3.3.5/js/bs-4-2-gz/button.js
* /opt/cola/permits/1175933967_1626242894.49/0/bootstrap-3-3-5-jar/META-INF/resources/webjars/bootstrap/3.3.5/js/bs-3-3-5-jar/button.min.js
No license file was found, but licenses were detected in source scan.

/!
* Bootstrap v3.3.5 (http://getbootstrap.com)
* Copyright 2011-2015 Twitter, Inc.
* Licensed under MIT (https://github.com/twbs/bootstrap/blob/master/LICENSE)
*/

/* normalize.css v3.0.3 | MIT License | github.com/necolas/normalize.css */

Found in path(s):
* /opt/cola/permits/1175933967_1626242894.49/0/bootstrap-3-3-5-jar/META-INF/resources/webjars/bootstrap/3.3.5/css/bootstrap-jsfs-gz/bootstrap-jsf.css
* /opt/cola/permits/1175933967_1626242894.49/0/bootstrap-3-3-5-jar/META-INF/resources/webjars/bootstrap/3.3.5/css/bootstrap.css
* /opt/cola/permits/1175933967_1626242894.49/0/bootstrap-3-3-5-jar/META-INF/resources/webjars/bootstrap/3.3.5/css/bootstrap.jsf.css
* /opt/cola/permits/1175933967_1626242894.49/0/bootstrap-3-3-5-jar/META-INF/resources/webjars/bootstrap/3.3.5/css/bootstrap.css
No license file was found, but licenses were detected in source scan.

/!
* Bootstrap v3.3.5 (http://getbootstrap.com)
* Copyright 2011-2015 Twitter, Inc.
* Licensed under the MIT license
*/

Found in path(s):
* /opt/cola/permits/1175933967_1626242894.49/0/bootstrap-3-3-5-jar/META-INF/resources/webjars/bootstrap/3.3.5/js/bootstrap.min.js
* /opt/cola/permits/1175933967_1626242894.49/0/bootstrap-3-3-5-jar/META-INF/resources/webjars/bootstrap/3.3.5/js/bootstrap.min-gz/bootstrap.min.js
No license file was found, but licenses were detected in source scan.
Licensed under MIT (https://github.com/twbs/bootstrap/blob/master/LICENSE)
*/

No license file was found, but licenses were detected in source scan.

/* Bootstrap: tooltip.js v3.3.5
   * http://getbootstrap.com/javascript/#tooltip
   * Inspired by the original jQuery.tipsy by Jason Frame
   * Copyright 2011-2015 Twitter, Inc.
   * Licensed under MIT (https://github.com/twbs/bootstrap/blob/master/LICENSE)
   */

Found in path(s):
No license file was found, but licenses were detected in source scan.

/* Bootstrap: transition.js v3.3.5
 * http://getbootstrap.com/javascript/#transitions
 * Copyright 2011-2015 Twitter, Inc.
 * Licensed under MIT (https://github.com/twbs/bootstrap/blob/master/LICENSE)
 */

No license file was found, but licenses were detected in source scan.

/* Bootstrap: carousel.js v3.3.5
 * http://getbootstrap.com/javascript/#carousel
 * Copyright 2011-2015 Twitter, Inc.
 * Licensed under MIT (https://github.com/twbs/bootstrap/blob/master/LICENSE)
 */

No license file was found, but licenses were detected in source scan.

/* Bootstrap: dropdown.js v3.3.5
 * http://getbootstrap.com/javascript/#dropdowns
 * Copyright 2011-2015 Twitter, Inc.
 * Licensed under MIT (https://github.com/twbs/bootstrap/blob/master/LICENSE)
 */

No license file was found, but licenses were detected in source scan.
INF/resources/webjars/bootstrap/3.3.5/js/dropdown-js-gz/dropdown.js
No license file was found, but licenses were detected in source scan.

/* ========================================================================
* Bootstrap: popover.js v3.3.5
* http://getbootstrap.com/javascript/#popovers
* ======================================================================== */

Found in path(s):
* /opt/cola/permits/1175933967_1626242894.49/0/bootstrap-3-3-5-jar/META-INF/resources/webjars/bootstrap/3.3.5/js/popover-js-gz/popover.js
* /opt/cola/permits/1175933967_1626242894.49/0/bootstrap-3-3-5-jar/META-INF/resources/webjars/bootstrap/3.3.5/js/popover.js
No license file was found, but licenses were detected in source scan.

INF/resources/webjars/bootstrap/3.3.5/js/modal-js-gz/modal.js
No license file was found, but licenses were detected in source scan.

*/

/* Bootstrap: modal.js v3.3.5
* http://getbootstrap.com/javascript/#modals
* ======================================================================== */

Found in path(s):
* /opt/cola/permits/1175933967_1626242894.49/0/bootstrap-3-3-5-jar/META-INF/resources/webjars/bootstrap/3.3.5/js/modal.js
* /opt/cola/permits/1175933967_1626242894.49/0/bootstrap-3-3-5-jar/META-INF/resources/webjars/bootstrap/3.3.5/js/modal-js-gz/modal.js
No license file was found, but licenses were detected in source scan.

{"version":3,"sources":null,"mappings":null}
bg, 5%); @end-color: @well-bg);\n  @shadow: inset 0 1px 3px rgba(0,0,0,0.0, 0 1px 0 0 rgba(255,255,255, 1))\n  .box-shadow(@shadow);\n  // Vendor Prefixes\n  All vendor mixins are deprecated as of v3.2.0 due to the introduction of @n/\n  Autoprefixer in our Gruntfile. They will be removed in v4.\n
  - Animations\n  - Backface visibility\n  - Box shadow\n  - Box sizing\n  - Content columns\n  - Hyphens\n  - Placeholder text\n  - Transforms\n  - Transitions\n  - User Select\n
  Animations\n  .animation(@animation) {\n    -webkit-animation: @animation;\n    animation: @animation;\n  }
  .animation-name(@name) {\n    -webkit-animation-name: @name;\n    animation-name: @name;\n  }
  .animation-duration(@duration) {\n    -webkit-animation-duration: @duration;\n    animation-duration: @duration;\n  }
  .animation-timing-function(@timing-function) {\n    -webkit-animation-timing-function: @timing-function;\n    animation-timing-function: @timing-function;\n  }
  .animation-delay(@delay) {\n    -webkit-animation-delay: @delay;\n    animation-delay: @delay;\n  }
  .animation-iteration-count(@iteration-count) {\n    -webkit-animation-iteration-count: @iteration-count;\n    animation-iteration-count: @iteration-count;\n  }
  .animation-direction(@direction) {\n    -webkit-animation-direction: @direction;\n    animation-direction: @direction;\n  }
  .animation-fill-mode(@fill-mode) {\n    -webkit-animation-fill-mode: @fill-mode;\n    animation-fill-mode: @fill-mode;\n  }

  - Backface visibility\n
  Default value is 'visible', but can be changed to 'hidden'\n  
  -moz-backface-visibility: @visibility;\n  backface-visibility: @visibility;\n  -webkit-backface-visibility: @visibility;\n  backface-visibility: @visibility;\n  // Drop shadows\n  Note: Deprecated `.box-shadow()` as of v3.1.0 since all of Bootstrap's\n  supported browsers that have box shadow capabilities now support it.\n  // iOS <4.3 & Android <4.1\n  Box sizing\n  Box sizing\n
  -ms-box-sizing: @boxmodel;\n  box-sizing: @boxmodel;\n  \n  CSS3 Content Columns\n  .content-columns(@column-count; @column-gap: @grid-gutter-width) {\n    -webkit-column-count: @column-count;\n    -moz-column-count: @column-count;\n    column-count: @column-count;\n    -webkit-column-gap: @column-gap;\n    -moz-column-gap: @column-gap;\n    column-gap: @column-gap;\n  }

  - Optional hyphenation\n  hyphens(@mode: auto) {\n    word-wrap: break-word;\n    -webkit-hyphens: @mode;\n    hyphens: @mode;\n    -moz-hyphens: @mode;\n    -ms-hyphens: @mode;\n    // IE10+\n    -o-hyphens: @mode;\n    hyphens: @mode;\n    // Firefox\n    &::-moz-placeholder {\n      color: @color;\n      opacity: 1; // Override Firefox's unusual default opacity;\n      see https://github.com/twbs/bootstrap/pull/11526\n    }
    &:-ms-input-placeholder { color: @color; } // Internet Explorer 10+\n    &::-webkit-input-placeholder { color: @color; } // Safari and Chrome\n  }

  - Transformations\n  scale(@ratio) {\n    -webkit-transform: scale(@ratio);\n    transform: scale(@ratio);\n  }
  scale(@ratioX; @ratioY) {\n    -webkit-transform: scale(@ratioX, @ratioY);\n    transform: scale(@ratioX, @ratioY);\n  }
  scaleX(@ratio) {\n    -webkit-transform: scaleX(@ratio);\n    transform: scaleX(@ratio);\n  }
  scaleY(@ratio) {\n    -webkit-transform: scaleY(@ratio);\n    transform: scaleY(@ratio);\n  }
  skew(@x; @y) {\n    -webkit-transform: skewX(@x) skewY(@y);\n    transform: skewX(@x) skewY(@y);\n  }
  translate(@x; @y) {\n    -webkit-transform: translate(@x, @y);\n    transform: translate(@x, @y);\n  }

  - Webkit-Transforms\n  skewX(@x) skewY(@y) {\n    -ms-transform: skewX(@x) skewY(@y);\n    // See https://github.com/twbs/bootstrap/issues/4885\n    -ms-transform: skewX(@x) skewY(@y);\n    skewX(@x) skewY(@y) {\n      translate(@x, @y);\n      translate3d(@x, @y, 0);\n    }
    -webkit-transform: translate3d(@x, @y, 0);\n    transform: translate3d(@x, @y, 0);\n  }
  rotate(@degrees) {\n    -webkit-transform: rotate(@degrees);\n    transform: rotate(@degrees);\n  }
  rotateX(@degrees) {\n    -webkit-transform: rotateX(@degrees);\n    transform: rotateX(@degrees);\n  }
  rotateY(@degrees) {\n    -webkit-transform: rotateY(@degrees);\n    transform: rotateY(@degrees);\n  }

  - User Select\n  .user-select(@select) {\n    -webkit-user-select: @select;\n    user-select: @select;\n  }
1.6590.1 Available under license:

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*/

Found in path(s):
* /opt/cola/permits/1148296172_1626419015.19/0/json4s-scalaz-2-11-3-4-0-sources-jar/org/json4s/scalaz/Tuples.scala
* /opt/cola/permits/1148296172_1626419015.19/0/json4s-scalaz-2-11-3-4-0-sources-jar/org/json4s/scalaz/JsonScalaz.scala
* /opt/cola/permits/1148296172_1626419015.19/0/json4s-scalaz-2-11-3-4-0-sources-jar/org/json4s/scalaz/Base.scala
* /opt/cola/permits/1148296172_1626419015.19/0/json4s-scalaz-2-11-3-4-0-sources-jar/org/json4s/scalaz/Lifting.scala

1.6591 libverto 0.3.1-r1

1.6591.1 Available under license:

# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-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="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2"

builddir="$srcrep/libart-lgpl-$pkgver"
prepare() {
    update_config_sub
    default_prepare
}

build() {
    ./configure \
    --build=$CBUILD \ 
    --host=$CHOST \ 
    --prefix=/usr 
    make
}

package() {
    make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ce2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e76654309e001ae9bace727b5b4c8589405256a3c020  
libart LGPL-2.3.21.tar.bz2" 
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
 pkgname=py3-flake8-copyright
    _pkgname=flake8-copyright
 pkgver=0.2.2
 pkgrel=1
 pkgdesc="Extension for flake8 which checks for copyrights"
 options="!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="8ade49f386e67d14e4b826946b947454cf2502ff249a9ab1d359f61fa42ebc2b17dd465708894cf82fffd153f0be1bed746464220d40d9d4dc1b07940ec280f28  
flake8-copyright-0.2.2.tar.gz"
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Hwaci
6200 Maple Cove Lane
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"

builddir="$srcdir/$_pkgreal-$pkgver"

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="$pkgdir" install
  find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}

sha512sums="d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16
  dfa5417f663b8065baa65f4e16de9262728b3b6b85  BSD-Resource-1.2911.tar.gz"

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mini_sendmail - accept email on behalf of real sendmail

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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 rdfs 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="0950540df050fb7f7ce92f5ad1bf756725e233d701f0c5b2fc5bfa85dae65bba3400de7fd78b4b1d8a41deab4e61a5f1018f4869d9f3e0428a5a64c32c01c60  license-list-data-3.8.tar.gz"

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* /opt/cola/permits/1110637802_1606844039.04/0/markupsafe-1-1-1-1-tar-gz/MarkupSafe-1.1.1/src/markupsafe/__init__.py

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Found in path(s):
* /opt/cola/permits/1110637802_1606844039.04/0/markupsafe-1-1-1-1-tar-gz/MarkupSafe-1.1.1/README.rst

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Metadata-Version: 1.2
Name: MarkupSafe
Version: 1.1.1
Summary: Safely add untrusted strings to HTML/XML markup.
Home-page: https://palletsprojects.com/p/markupsafe/
Author: Armin Ronacher
Author-email: armin.ronacher@active-4.com
Maintainer: The Pallets Team
Maintainer-email: contact@palletsprojects.com
License: BSD-3-Clause
Project-URL: Documentation, https://markupsafe.palletsprojects.com/
Description: MarkupSafe

============

MarkupSafe implements a text object that escapes characters so it is safe to use in HTML and XML. Characters that have special meanings are replaced so that they display as the actual characters. This mitigates injection attacks, meaning untrusted user input can safely be displayed on a page.

Installing

--------

Install and update using `pip`:

```
.. code-block:: text

    pip install -U MarkupSafe
```
Examples
--------

.. code-block:: pycon

    >>> from markupsafe import Markup, escape
    >>> # escape replaces special characters and wraps in Markup
    >>> escape('<script>alert(document.cookie);</script>')
    Markup(u'<script>alert(document.cookie);</script>')
    >>> # wrap in Markup to mark text "safe" and prevent escaping
    >>> Markup('<strong>Hello</strong>')
    Markup('<strong>hello</strong>')
    >>> escape(Markup('<strong>Hello</strong>'))
    Markup('<strong>hello</strong>')
    >>> # Markup is a text subclass (str on Python 3, unicode on Python 2)
    >>> # methods and operators escape their arguments
    >>> template = Markup("Hello <em>%s</em>")
    >>> template % '"World"'
    Markup('Hello <em>&#34;World&#34;</em>')

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------

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Links
-----

* Website: https://palletsprojects.com/p/markupsafe/
* Documentation: https://markupsafe.palletsprojects.com/
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* Releases: https://pypi.org/project/MarkupSafe/
* Code: https://github.com/pallets/markupsafe
* Issue tracker: https://github.com/pallets/markupsafe/issues
* Test status:

  * Linux, Mac: https://travis-ci.org/pallets/markupsafe
  * Windows: https://ci.appveyor.com/project/pallets/markupsafe
Test coverage: https://codecov.io/gh/pallets/markupsafe

Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
Classifier: Environment :: Web Environment
Classifier: Intended Audience :: Developers
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Classifier: Programming Language :: Python :: 3.4
Classifier: Programming Language :: Python :: 3.5
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Classifier: Topic :: Internet :: WWW/HTTP :: Dynamic Content
Classifier: Topic :: Software Development :: Libraries :: Python Modules
Classifier: Topic :: Text Processing :: Markup :: HTML
Requires-Python: >=2.7,!=3.0.*,!=3.1.*,!=3.2.*,!=3.3.*

Found in path(s):
* /opt/cola/permits/1110637802_1606844039.04/0/markupsafe-1.1.1-tar-gz/MarkupSafe-1.1.1/src/MarkupSafe.egg-info/PKG-INFO
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/**
 * markupsafe._speedups
 * ~~~~~~~~~~~~~~~~~~~~
 *
 * C implementation of escaping for better performance. Used instead of
 * the native Python implementation when compiled.
 *
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 */

Found in path(s):
* /opt/cola/permits/1110637802_1606844039.04/0/markupsafe-1.1.1-tar-gz/MarkupSafe-1.1.1/src/markupsafe/_speedups.c
1.6594.1 Available under license:

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1.6595 @babel/preset-env 7.3.4

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1.6596 libmagic 1:5.25 2ubuntu1.3
1.6596.1 Available under license:

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Upstream-Name: file
Upstream-Contact: http://mx.gw.com/mailman/listinfo/file

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src/encoding.c
src/file.c
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src/is_tar.c
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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
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lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kproplog.c

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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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Version 2, Section 7

Each -modified- file should carry a prominent notice saying that it contains no library at all, as follows:

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1.6608 pytz 2019.3
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1.6609 pcre2 10.32 1.el8
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-------------

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The basic library functions are written in C and are freestanding. Also included in the distribution is a just-in-time compiler that can be used to optimize pattern matching. This is an optional feature that can be omitted when the library is built.

THE BASIC LIBRARY FUNCTIONS
----------------------------

Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

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PCRE2 JUST-IN-TIME COMPILATION SUPPORT
---------------------------------------

Written by: Zoltan Herczeg
Email local part: hzmester
Email domain: freemail.hu

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1.6610 jinja2 2.11.3
1.6610.1 Available under license :

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Metadata-Version: 2.1
Name: Jinja2
Version: 2.11.3
Summary: A very fast and expressive template engine.
Home-page: https://palletsprojects.com/p/jinja/
Author: Armin Ronacher
Author-email: armin.ronacher@active-4.com
Maintainer: Pallets
Maintainer-email: contact@palletsprojects.com
License: BSD-3-Clause
Project-URL: Code, https://github.com/pallets/jinja
Description: Jinja
Jinja is a fast, expressive, extensible templating engine. Special placeholders in the template allow writing code similar to Python syntax. Then the template is passed data to render the final document.

It includes:

- Template inheritance and inclusion.
- Define and import macros within templates.
- HTML templates can use autoescaping to prevent XSS from untrusted user input.
- A sandboxed environment can safely render untrusted templates.
- AsyncIO support for generating templates and calling async functions.
- I18N support with Babel.
- Templates are compiled to optimized Python code just-in-time and cached, or can be compiled ahead-of-time.
- Exceptions point to the correct line in templates to make debugging easier.
- Extensible filters, tests, functions, and even syntax.

Jinja's philosophy is that while application logic belongs in Python if possible, it shouldn't make the template designer's job difficult by restricting functionality too much.

Installing
----------

Install and update using `pip`:

```
$ pip install -U Jinja2
```


In A Nutshell
-------------

```
{% extends "base.html" %}
{% block title %}Members{% endblock %}
{% block content %}
<ul>
```

Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 66190
{% for user in users %}
<li><a href="{{ user.url }}">{{ user.username }}</a></li>
{% endfor %}
</ul>
{% endblock %}

Links
-----

- Website: https://palletsprojects.com/p/jinja/
- Documentation: https://jinja.palletsprojects.com/
- Releases: https://pypi.org/project/Jinja2/
- Code: https://github.com/pallets/jinja
- Issue tracker: https://github.com/pallets/jinja/issues
- Test status: https://dev.azure.com/pallets/jinja/_build
- Official chat: https://discord.gg/t6rrQZH

Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
Classifier: Environment :: Web Environment
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: BSD License
Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python
Classifier: Programming Language :: Python :: 2
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3
Classifier: Programming Language :: Python :: 3.5
Classifier: Programming Language :: Python :: 3.6
Classifier: Programming Language :: Python :: 3.7
Classifier: Programming Language :: Python :: 3.8
Classifier: Programming Language :: Python :: Implementation :: CPython
Classifier: Programming Language :: Python :: Implementation :: PyPy
Classifier: Topic :: Internet :: WWW/HTTP :: Dynamic Content
Classifier: Topic :: Software Development :: Libraries :: Python Modules
Classifier: Topic :: Text Processing :: Markup :: HTML
Requires-Python: >=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*, !=3.4.*

Description-Content-Type: text/x-rst
Provides-Extra: i18n

Found in path(s):
* /opt/cola/permits/1136466822_1613771252.8/0/jinja2-2-11-3-tar-gz/Jinja2-2.11.3/PKG-INFO
* /opt/cola/permits/1136466822_1613771252.8/0/jinja2-2-11-3-tar-gz/Jinja2-2.11.3/src/Jinja2.egg-info/PKG-INFO

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```python
import io
import re
```
from setuptools import find_packages
from setuptools import setup

with io.open("README.rst", "rt", encoding="utf8") as f:
    readme = f.read()

with io.open("src/jinja2/__init__.py", "rt", encoding="utf8") as f:
    version = re.search(r'__version__ = "(.*)"', f.read(), re.M).group(1)

setup(
    name="Jinja2",
    version=version,
    url="https://palletsprojects.com/p/jinja/",
    project_urls={
        "Documentation": "https://jinja.palletsprojects.com/",
        "Code": "https://github.com/pallets/jinja",
        "Issue tracker": "https://github.com/pallets/jinja/issues",
    },
    license="BSD-3-Clause",
    author="Armin Ronacher",
    author_email="armin.ronacher@active-4.com",
    maintainer="Pallets",
    maintainer_email="contact@palletsprojects.com",
    description="A very fast and expressive template engine.",
    long_description=readme,
    classifiers=[
        "Development Status :: 5 - Production/ Stable",
        "Environment :: Web Environment",
        "Intended Audience :: Developers",
        "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 :: 3.5",
        "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 :: WWW/HTTP :: Dynamic Content",
        "Topic :: Software Development :: Libraries :: Python Modules",
        "Topic :: Text Processing :: Markup :: HTML",
    ],
    packages=find_packages("src"),
    package_dir={"": "src"},
include_package_data=True,
python_requires=">=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*, !=3.4.*",
install_requires=["MarkupSafe>=0.23"],
extras_require={"i18n": ["Babel>=0.8"]},
entry_points={"babel.extractors": ["jinja2 = jinja2.ext:babel_extract[i18n]"]},
)

Found in path(s):
* /opt/cola/permits/1136466822_1613771252.8/0/jinja2-2-11-3-tar-gz/Jinja2-2.11.3/setup.py
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* /opt/cola/permits/1111264468_1606892636.52/0/spring-expression-3-2-8-release-sources-1-jar/org/springframework/expression/spel/support/ReflectiveConstructorResolver.java
* /opt/cola/permits/1111264468_1606892636.52/0/spring-expression-3-2-8-release-sources-1-jar/org/springframework/expression/spel/support/StandardTypeLocator.java
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* /opt/cola/permits/1111264468_1606892636.52/0/spring-expression-3-2-8-release-sources-1-jar/org/springframework/expression/spel/support/StandardTypeComparator.java
* /opt/cola/permits/1111264468_1606892636.52/0/spring-expression-3-2-8-release-sources-1-jar/org/springframework/expression/MethodExecutor.java
* /opt/cola/permits/1111264468_1606892636.52/0/spring-expression-3-2-8-release-sources-1-jar/org/springframework/expression/spel/standard/InternalSpelExpressionParser.java
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* /opt/cola/permits/1111264468_1606892636.52/0/spring-expression-3-2-8-release-sources-1-jar/org/springframework/expression/spel/SpelMessage.java
* /opt/cola/permits/1111264468_1606892636.52/0/spring-expression-3-2-8-release-sources-1-jar/org/springframework/expression/spel/ast/PropertyOrFieldReference.java
* /opt/cola/permits/1111264468_1606892636.52/0/spring-expression-3-2-8-release-sources-1-jar/org/springframework/expression/spel/support/ReflectivePropertyAccessor.java
* /opt/cola/permits/1111264468_1606892636.52/0/spring-expression-3-2-8-release-sources-1-
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  jar/org/springframework/expression/spel/ast/OpMinus.java
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  jar/org/springframework/expression/spel/ast/IntLiteral.java
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Author: Adam Conrad <adconrad@ubuntu.com>

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+++ glibc-2.21/include/features.h
@@ -145,7 +145,10 @@
 transitioned to use the new macro. */
#if (defined _BSD_SOURCE || defined _SVID_SOURCE) \
   && !defined _DEFAULT_SOURCE
+/* Don't #warn about _BSD_SOURCE || _SVID_SOURCE, as it breaks -Werror
+ and we don't have time to check/fix everything before vivid release
# warning "_BSD_SOURCE and _SVID_SOURCE are deprecated, use _DEFAULT_SOURCE"
+*/
# undef _DEFAULT_SOURCE
# define _DEFAULT_SOURCE1
#endif
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Local-Date: Thu, 05 Jun 2003 16:53:32 -0400
Date: Thu, 5 Jun 2003 16:53:32 -0400 (EDT)
From: Mark Adamson <adamson@andrew.cmu.edu>
To: Stephen Frost <sfrost@debian.org>
Subject: Re: Mark Adamson license in OpenLDAP source

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* To: Stephen Frost <sfrost@snowman.net>
* Subject: Re: OpenLDAP Licenseing issues
* From: "Kurt D. Zeilenga" <Kurt@OpenLDAP.org>
* Date: Wed, 28 May 2003 10:55:44 -0700
* Cc: Steve Langasek <vorlon@netexpress.net>,debian-legal@lists.debian.org, openldap-devel@OpenLDAP.org
* In-reply-to: <20030528162613.GB8524@ns.snowman.net>
* Message-id: <5.2.0.9.0.20030528094229.02924780@127.0.0.1>
* Old-return-path: <Kurt@OpenLDAP.org>

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To: Stephen Frost <sfrost@debian.org>
X-Mailer: Lotus Notes Release 5.0.2a (Intl) 23 November 1999
Subject: Re: Juan C. Gomez license in OpenLDAP Source

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The snowball stopword lists in
    analysis/common/src/resources/org/apache/lucene/analysis/snowball
The full snowball package is available from http://snowball.tartarus.org/

The KStem stemmer in analysis/common/src/org/apache/lucene/analysis/en was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst) under the BSD-license.

The Arabic,Persian,Romanian,Bulgarian, Hindi and Bengali analyzers (common) come with a default stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:
analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt,
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

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers (common) are based on BSD-licensed reference implementations created by Jacques Savoy and Ljiljana Dolamic. These files reside in:
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/it/ItalianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

The Stempel analyzer (stempel) includes BSD-licensed software developed by the Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil, and Edmond Nolan.

The Polish analyzer (stempel) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt.
See http://project.carrot2.org/license.html.

The SmartChineseAnalyzer source code (smartcn) was provided by Xiaoping Gao and copyright 2009 by www.imdict.net.

WordBreakTestUnicode_* .java (under modules/analysis/common/src/test/) is derived from Unicode data such as the Unicode Character Database.
See http://unicode.org/copyright.html for more details.

The Morfologik analyzer (morfologik) includes BSD-licensed software developed by Dawid Weiss and Marcin Mikowski (http://morfologik.blogspot.com/).

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Servlet-api.jar and javax.servlet-*.jar are under the CDDL license, the original source code for this can be found at http://www.eclipse.org/jetty/downloads.php

===========================================================================
Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
===========================================================================

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mecab-ipadic-2.7.0-20070801

which can be obtained from

http://atilika.com/releases/mecab-ipadic/mecab-ipadic-2.7.0-20070801.tar.gz

or

http://jaist.dl.sourceforge.net/project/mecab/mecab-ipadic/2.7.0-20070801/mecab-ipadic-2.7.0-20070801.tar.gz

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mecab-ko-dic-2.0.3-20170922

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1.6623 os-tmpdir 1.0.1

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1.6624 ntpsec 1.1.8-r0

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include::include-html.ad[]

[cols="10%,90%",frame="none",grid="none",style="verse"]
[=======]
[image:pic/sheepb.jpg[]]
"Clone me," says Dolly sheepishly.
[=======]

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======================================================================
The following individuals have contributed significantly to NTPsec:

* mailto:esr@thyrsus.com[Eric S. Raymond <esr@thyrsus.com>] Massive code reduction/refactoring/hardening, documentation cleanup and update, new refclock configuration syntax.
* mailto:gem@rellim.com[Gary E. Miller <gem@rellim.com>] Code ANSIfication, testing, ntpviz
* mailto:dfranke@dfranke.us[Daniel Fox Franke <dfranke@dfranke.us>] CVE fixes, protocol machine refactoring.
* mailto:hmurray@megapathdsl.net[Hal Murray <hmurray@megapathdsl.net>] Code cleanups, bug hunting, sage advice.
* mailto:verm@darkbeer.org[Amar Takhar <verm@darkbeer.org>] waf build recipe.
* mailto:matthew.selsky@twosigma.com[Matt Selsky]
Documentation corrections, compiler warning and port cleanup.

The following individuals contributed in part to the Network Time Protocol Distribution Version 4 ("NTP Classic") and are acknowledged as authors of this work.

* mailto:takao_abe@xurb.jp[Takao Abe <takao_abe@xurb.jp>] Clock driver for JJY receivers
* mailto:karl@owl.HQ.ileaf.com[Karl Berry <karl@owl.HQ.ileaf.com>] syslog to file option
* mailto:Marc.Brett@westgeo.com[Marc Brett
 <Marc.Brett@westgeo.com>] Magnavox GPS clock driver (removed in NTPsec)
* mailto:Pietre.Brooks@cl.cam.ac.uk[Pietre Brooks
 <Pietre.Brooks@cl.cam.ac.uk>] Trimble PARSE support
* mailto:nelson@bolyard.me[Nelson B Bolyard <nelson@bolyard.me>] update and complete broadcast and crypto features in sntp
* mailto:Jean-Francois.Boudreault@viagenie.qc.ca[Jean-Francois Boudreault <Jean-Francois.Boudreault@viagenie.qc.ca>] IPv6 support
* mailto:reg@dwf.com[Reg Clemens <reg@dwf.com>] Oncore driver (Current maintainer)
* mailto:Sven_Dietrich@trimble.COM[Sven Dietrich
 <sven_dietrich@trimble.com>] Palisade reference clock driver
* mailto:duwe@immd4.informatik.uni-erlangen.de[Torsten Duwe
 <duwe@immd4.informatik.uni-erlangen.de>] Linux port
* mailto:dennis@mrbill.canet.ca[Dennis Ferguson
 <dennis@mrbill.canet.ca>] foundation code for NTP Version 2 as specified in RFC 1119
* mailto:jhay@icomtek.csir.co.za[John Hay
 <jhay@icomtek.csir.co.za>] IPv6 support and testing
* mailto:davehart@davehart.com[Dave Hart <davehart@davehart.com>] General maintenance
* mailto:glenn@herald.usask.ca[Glenn Hollinger
 <glenn@herald.usask.ca>] GOES clock driver (removed in NTPsec)
* mailto:jbj@chatham.usdesign.com[Jeff Johnson
 <jbj@chatham.usdesign.com>] massive prototyping overhaul
* mailto:Hans.Lambermont@nl.origin-it.com[Hans Lambermont
 <Hans.Lambermont@nl.origin-it.com>] or mailto:H.Lambermont@chello.nl[H.Lambermont@chello.nl] ntpswep
* mailto:phk@FreeBSD.ORG[Poul-Henning Kamp <phk@FreeBSD.ORG>] Oncore driver (Original author)
* https://www4.informatik.uni-erlangen.de/%7ekardel[Frank Kardel
 mailto:kardel@ntp.org]<kardel (at) ntp
 (dot) org> PARSE <GENERIC> (driver 14 reference clocks), STREAMS modules for PARSE, support scripts, syslog cleanup, dynamic interface handling
* mailto:kuehn@ntp.org[Johannes Maximilian Kuehn <kuehn@ntp.org>] Rewrote +sntp+ to comply with NTPv4 specification
* mailto:leres@ee.lbl.gov [Craig Leres <leres@ee.lbl.gov>] 4.4BSD port, ppsclock, Magnavox GPS clock driver
* mailto:louie@ni.umd.edu [Louis A. Mamakos <louie@ni.umd.edu>] MD5-based authentication
* mailto:thorinn@diku.dk [Lars H. Mathiesen <thorinn@diku.dk>] adaptation of foundation code for Version 3 as specified in RFC 1305
* mailto:mayer@ntp.org [Danny Mayer <mayer@ntp.org>] Network I/O, Windows Port, Code Maintenance
* mailto:mills@udel.edu [David L. Mills <mills@udel.edu>] Version 4 foundation, precision kernel; clock drivers: 1, 3, 4, 6, 7, 11, 13, 18, 19, 22, 36
* mailto:mogul@pa.dec.com [Jeffrey Mogul <mogul@pa.dec.com>] ntptrace utility
* mailto:neal@ntp.org [Rob Neal <neal@ntp.org>] config/parse code maintenance
* mailto:jack@innovativeinternet.com [Jack Sasportas <jack@innovativeinternet.com>] Saved a Lot of space on the stuff in the html/pic/ subdirectory
* mailto:shields@tembel.org [Michael Shields <shields@tembel.org>] USNO clock driver
* mailto:harlan@pfcs.com [Harlan Stenn <harlan@pfcs.com>] General maintenance (see the ChangeLog)
* mailto:ajit@ee.udel.edu [Ajit Thyagarajan <ajit@ee.udel.edu>] IP multicast/anycast support
* mailto:brian.utterback@oracle.com [Brian Utterback <brian.utterback@oracle.com>] General codebase
* mailto:loganaden@gmail.com [Loganaden Velvindron <loganaden@gmail.com>] Sandboxing (libseccomp) support
* mailto:vixie@vix.com [Paul A Vixie <vixie@vix.com>] TrueTime GPS driver, generic TrueTime clock driver

The following people contributed code to NTP Classic which has since been removed:

* mailto:mark_andrews@isc.org [Mark Andrews <mark_andrews@isc.org>] Leitch atomic clock controller
* mailto:altmeier@atsoft.de [Bernd Altmeier <altmeier@atsoft.de>] hopf Elektronik serial line and PCI-bus devices
* mailto:vbais@mailman1.intel.com [Viraj Bais <vbais@mailman1.intel.com>] and mailto:kirkwood@striderfm.intel.com [Clayton Kirkwood <kirkwood@striderfm.intel.com>] port to WindowsNT 3.5
* mailto:michael.barone@lmco.com [Michael Barone <michael.barone@lmco.com>] GPSVME fixes
* mailto:greg.brackley@bigfoot.com [Greg Brackley <greg.brackley@bigfoot.com>] Major rework of WINNT port. Clean up recvbuf and iosignal code into separate modules.
* mailto:Piete.Brooks@cl.cam.ac.uk [Piete Brooks <Piete.Brooks@cl.cam.ac.uk>] MSF clock driver
* mailto:clift@ml.csiro.au [Steve Clift <clift@ml.csiro.au>] OMEGA clock driver
* mailto:casey@csc.co.za [Casey Crellin <casey@csc.co.za>] vxWorks
(Tornado) port and help with target configuration
* mailto:Sven_Dietrich@trimble.COM[Sven Dietrich
   <sven_dietrich@trimble.com>] NT adj. residuals, integrated Greg's Winnt port.
* mailto:dundas@salt.jpl.nasa.gov[John A. Dundas III
   <dundas@salt.jpl.nasa.gov>] Apple A/UX port
* mailto:davehart@davehart.com[Dave Hart <davehart@davehart.com>]
   Windows port interpolation rewrite
* mailto:iglesias@uci.edu[Mike Iglesias <iglesias@uci.edu>] DEC Alpha port
* mailto:jim@jagubox.gsfc.nasa.gov[Jim Jagielski
   <jim@jagubox.gsfc.nasa.gov>] A/UX port
* mailto:kuehn@ntp.org[Johnames Maximilian Kuehn <kuehn@ntp.org>]
   +ntpq saveconfig+
* mailto:jones@hermes.chpc.utexas.edu[William L. Jones
   <jones@hermes.chpc.utexas.edu>] RS/6000 AIX modifications, HPUX
   modifications
* mailto:dkatz@cisco.com[Dave Katz <dkatz@cisco.com>] RS/6000 AIX port
* mailto:lindholm@uchs.ucb.ca[George Lindholm <lindholm@uchs.ucb.ca>]
   SunOS 5.1 port
* mailto:moeller@gwdgv1.dnet.gwdg.de[Wolfgang Moeller
   <moeller@gwdgv1.dnet.gwdg.de>] VMS port
* mailto:tmoore@fievel.daytonoh.ncr.com[Tom Moore
   <tmoore@fievel.daytonoh.ncr.com>] i386 svr4 port
* mailto:kamal@whence.com[Kamal A Mostafa <kamal@whence.com>] SCO OpenServer port
* mailto:derek@toybox.demon.co.uk[Derek Mulcahy
   <derek@toybox.demon.co.uk>] and mailto:d@hd.org[Damon Hart-Davis
   <d@hd.org>] ARCRON MSF clock driver
* mailto:neal@ntp.org[Rob Neal <neal@ntp.org>] Bancomm refclock
* mailto:Rainer.Pruy@informatik.uni-erlangen.de[Rainer Pruy
   <Rainer.Pruy@informatik.uni-erlangen.de>] monitoring/trap scripts,
   statistics file handling
* mailto:dirce@zk3.dec.com[Dirce Richards <dirce@zk3.dec.com>]
   Digital UNIX V4.0 port
* mailto:wsanchez@apple.com[Wilfredo Sanchez <wsanchez@apple.com>]
   added support for NetInfo
* mailto:mrapple@quack.kfu.com[Nick Sayer <mrapple@quack.kfu.com>]
   SunOS streams modules
* mailto:schnitz@unipress.com[Ray Schnitzler <schnitz@unipress.com>]
   Unixware1 port
* mailto:jss@pebbles.jpl.nasa.gov[Jeff Steinman
   <jss@pebbles.jpl.nasa.gov>] Datum PTS clock driver
* mailto:harlan@pfcs.com[Harlan Stenn <harlan@pfcs.com>] GNU
   automake/autoconfigure makeover
* mailto:ken@sdd.hp.com[Kenneth Stone <ken@sdd.hp.com>] HP-UX port
* mailto:tsuruoka@nc.fukuoka-u.ac.jp[Tomoaki TSURUOKA
   <tsuruoka@nc.fukuoka-u.ac.jp>] TRAK clock driver
* mailto:brian.utterback@oracle.com[Brian Utterback
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1.6626 python3-5-venv 3.5.2-
2ubuntu0~16.04.10
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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.

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Mersenne Twister

The `_random` module includes code based on a download from `http://www.math.keio.ac.jp/~matumoto/MT2002/emt19937ar.html`. The following are the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
or init_by_array(init_key, key_length).

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Any feedback is very welcome.
http://www.math.keio.ac.jp/matumoto/emt.html
email: matumoto@math.keio.ac.jp

Sockets
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The `socket' module uses the functions, `getaddrinfo', and `getnameinfo', which are coded in separate source files from the WIDE Project, `http://www.wide.ad.jp/about/index.html'.

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
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1.6627 jackson-jaxrs-base 2.9.8

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1.6628 zipkin-autoconfigure-storage-cassandra3 1.20.1

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1.6629 libde265-0 1.0.3-1+b1

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1.6636 object-copy 0.1.0

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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
The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

1.6642 libevent 2.1.8-stable-4

1.6642.1 Available under license:
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1.6643 libheimntlmheimdal
1.7~git20150920+dfsg 4ubuntu1.16.04.1
1.6643.1 Available under license:

Release Notes:

popper-1.831beta is no longer beta30 July 91
Removed popper-1.7.tar.Z

popper-1.831beta.tar.Z03 April 91
Changed mkstemp to mktemp for Ultrix. Sigh.

popper-1.83beta.tar.Z02 April 91
This version makes certain that while running as root we do nothing
at all destructive.

popper-1.82beta.tar.Z27 March 91
This version fixes problems on Encore MultiMax and some Sun releases
which wouldn’t allow a user to ftruncate() a file from an open
file descriptor unless the user owns the file. Now the user
owns the /usr/spool/mail/.userid.pop file. Thanks to Ben Levy
of FTP Software and Henry Holtzman of Apple.

popper-1.81beta.tar.Z20 March 91
This version of popper is supposed to fix three problems reported
with various versions of popper (all called 1.7 or 1.7something).

1) Dropped network connections meant lost mail files. Some 1.7
   versions also risked corrupting mail files.
2) Some versions of 1.7 created temporary drop files with world
   read and write permissions.
3) Some versions of 1.7 were not careful about opening the temporary
   drop file.

popper-1.7.tar.Z  09 September 90(updated 20 March 91)
This version will exhibit the first problem listed above if it is
compiled with -DDEBUG and run without the "-d" (debug) flag.
If it is compiled without -DDEBUG it will exhibit only the second
and third bug listed above.

Cliff Frostpoptest@nettlesome.berkeley.edu
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Heimdal is a Kerberos 5 implementation.

For information how to install see <http://www.h5l.org/compile.html>.

There are briefer man pages for most of the commands.

Bug reports and bugs are appreciated, see more under Bug reports in the manual on how we prefer them: <heimdal-bugs@h5l.org>.

For more information see the web-page at <http://www.h5l.org/> or the mailing lists:

heimdal-announce@sics.se low-volume announcement
heimdal-discuss@sics.se high-volume discussion

send a mail to heimdal-announce-request@sics.se and heimdal-discuss-request@sics.se respectively to subscribe.

This is a distribution of both client and server telnet. These programs have been compiled on:
telnet
telnetd
4.4 BSD-Lite x x
4.3 BSD Reno X X
UNICOS 9.1 X X
UNICOS 9.0 X X
UNICOS 8.0 X X
BSDI 2.0 X X
Solaris 2.4 x x (no linemode in server)
SunOs 4.1.4 X X (no linemode in server)
Ultrix 4.3 X X (no linemode in server)
Ultrix 4.1 X X (no linemode in server)

In addition, previous versions have been compiled on the following machines, but were not available for testing this version.
telnet
telnetd
Next1.0 X X
UNICOS 8.3 X X
UNICOS 7.C X X
UNICOS 7.0 X X
SunOs 4.0.3c X X (no linemode in server)
4.3 BSD X X (no linemode in server)
DYNIX V3.0.12 X X (no linemode in server)
Ultrix 3.1 X X (no linemode in server)
Ultrix 4.0 X X (no linemode in server)
SunOS 3.5  X  X (no linemode in server)
SunOS 4.1.3  X  X (no linemode in server)
Solaris 2.2  x  x (no linemode in server)
Solaris 2.3  x  x (no linemode in server)
BSDI 1.0  X  X
BSDI 1.1  X  X
DYNIX V3.0.17.9  X  X (no linemode in server)
HP-UX 8.0  x  x (no linemode in server)

This code should work, but there are no guarantees.

May 30, 1995

This release represents what is on the 4.4BSD-Lite2 release, which should be the final BSD release. I will continue to support of telnet. The code (without encryption) is available via anonymous ftp from ftp.cray.com, in src/telnet/telnet.YY.MM.DD.NE.tar.Z, where YY.MM.DD is replaced with the year, month and day of the release. If you can't find it at one of these places, at some point in the near future information about the latest releases should be available from ftp.borman.com.

In addition, the version with the encryption code is available via ftp from net-dist.mit.edu, in the directory /pub/telnet. There is a README file there that gives further information on how to get the distribution.

Questions, comments, bug reports and bug fixes can be sent to one of these addresses:
dab@borman.com
dab@cray.com
dab@bsdi.com

This release is mainly bug fixes and code cleanup.

Replace all calls to bcopy()/bzero() with calls to memmove()/memset() and all calls to index()/rindex() with calls to strchr()/strrchr().

Add some missing diagnostics for option tracing to telnetd.

Add support for BSDI 2.0 and Solaris 2.4.

Add support for UNICOS 8.0.

Get rid of expanded tabs and trailing white spaces.
From Paul Vixie:
Fix for telnet going into an endless spin when the session dies abnormally.

From Jef Poskanzer:
Changes to allow telnet to compile under SunOS 3.5.

From Philip Guenther:
makeutx() doesn’t expand utmpx, use pututxline() instead.

From Chris Torek:
Add a sleep(1) before execing login to avoid race condition that can eat up the login prompt.
Use terminal speed directly if it is not an encoded value.

From Steve Parker:
Fix to realloc() call. Fix for execing login on solaris with no user name.

January 19, 1994

This is a list of some of the changes since the last tar release of telnet/telnetd. There are probably other changes that aren’t listed here, but this should hit a lot of the main ones.

General:
Changed #define for AUTHENTICATE to AUTHENTICATION
Changed #define for ENCRYPT to ENCRYPTION
Changed #define for DES_ENCRYPT to DES_ENCRYPTION

Added support for SPX authentication: -DSPX

Added support for Kerberos Version 5 authentication: -DKRB5

Added support for ANSI C function prototypes

Added support for the NEW-ENVIRON option (RFC-1572) including support for USERVAR.

Made support for the old Environment Option (RFC-1408) conditional on -DOLD_ENVIRON

Added #define ENV_HACK - support for RFC 1571
The encryption code is removed from the public distributions. Domestic 4.4 BSD distributions contain the encryption code.

ENV_HACK: Code to deal with systems that only implement the old ENVIRON option, and have reversed definitions of ENV_VAR and ENV_VAL. Also fixes ENV processing in client to handle things besides just the default set...

NO_BSD_SETJMP: UNICOS configuration for UNICOS 6.1/6.0/5.1/5.0 systems.

STREAMSPTY: Use /dev/ptmx to get a clean pty. This is for SVr4 derivatives (Like Solaris)

UTMPX: For systems that have /etc/utmpx. This is for SVr4 derivatives (Like Solaris)

Definitions for BSDI 1.0

Definitions for 4.3 Reno and 4.4 BSD.

Definitions for UNICOS 8.0 and UNICOS 7.C

Definitions for Solaris 2.0

Definitions for HP-UX 8.0

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FLOW-CONTROL: support for RFC-XXXx

Client Specific:

Fix the "send" command to not send garbage...

Fix status message for "skipre"

Make sure to send NAWS after telnet has been suspended or an external command has been run, if the window size has changed.

sysV88 support.

Server Specific:

Support flowcontrol option in non-linemode servers.
-k Server supports Kludge Linemode, but will default to either single character mode or real Linemode support. The user will have to explicitly ask to switch into kludge linemode. ("stty extproc", or escape back to telnet and say "mode line").

-u Specify the length of the hostname field in the utmp file. Hostname longer than this length will be put into the utmp file in dotted decimal notation, rather than putting in a truncated hostname.

-U Registered hosts only. If a reverse hostname lookup fails, the connection will be refused.

-f/-F
Allows forwarding of credentials for KRB5.

February 22, 1991:

Features:

This version of telnet/telnetd has support for both the AUTHENTICATION and ENCRYPTION options. The AUTHENTICATION option is fairly well defined, and an option number has been assigned to it. The ENCRYPTION option is still in a state of flux; an option number has been assigned to, but it is still subject to change. The code is provided in this release for experimental and testing purposes.

The telnet "send" command can now be used to send do/dont/will/wont commands, with any telnet option name. The rules for when do/dont/will/wont are sent are still followed, so just because the user requests that one of these be sent doesn't mean that it will be sent...

The telnet "getstatus" command no longer requires that option printing be enabled to see the response to the "DO STATUS" command.

A -n flag has been added to telnetd to disable keepalives.

A new telnet command, "auth" has been added (if AUTHENTICATE is defined). It has four sub-commands, "status", "disable", "enable" and "help".
A new telnet command, "encrypt" has been added (if ENCRYPT is defined). It has many sub-commands: "enable", "type", "start", "stop", "input", "-input", "output", "-output", "status", and "help".

The LOGOUT option is now supported by both telnet and telnetd, a new command, "logout", was added to support this.

Several new toggle options were added:
- "autoencrypt", "autodecrypt", "autologin", "authdebug",
- "enckeydebug", "skiprc", "verbose_encrypt"

An "rlogin" interface has been added. If the program is named "rlogin", or the "-r" flag is given, then an rlogin type of interface will be used.
~. Terminates the session
~<suspend> Suspend the session
~^] Escape to telnet command mode
~~ Pass through the ~.

BUG: If you type the rlogin escape character in the middle of a line while in rlogin mode, you cannot erase it or any characters before it. Hopefully this can be fixed in a future release...

General changes:

A "libtelnet.a" has now been created. This library contains code that is common to both telnet and telnetd. This is also where library routines that are needed, but are not in the standard C library, are placed.

The makefiles have been re-done. All of the site specific configuration information has now been put into a single "Config.generic" file, in the top level directory. Changing this one file will take care of all three subdirectories. Also, to add a new/local definition, a "Config.local" file may be created at the top level; if that file exists, the subdirectories will use that file instead of "Config.generic".

Many 1-2 line functions in commands.c have been removed, and just inserted in-line, or replaced with a macro.

Bug Fixes:
The non-termio code in both telnet and telnetd was setting/clearing CTLECH in the sg_flags word. This was incorrect, and has been changed to set/clear the LCTLECH bit in the local mode word.

The SRCRT #define has been removed. If IP_OPTIONS and IPPROTO_IP are defined on the system, then the source route code is automatically enabled.

The NO_GETTYTAB #define has been removed; there is a compatibility routine that can be built into libtelnet to achieve the same results.

The server, telnetd, has been switched to use getopt() for parsing the argument list.

The code for getting the input/output speeds via cfgetispeed()/cfgetospeed() was still not quite right in telnet. Posix says if the ispeed is 0, then it is really equal to the ospeed.

The suboption processing code in telnet now has explicit checks to make sure that we received the entire suboption (telnetd was already doing this).

The telnet code for processing the terminal type could cause a core dump if an existing connection was closed, and a new connection opened without exiting telnet.

Telnetd was doing a TCSADRAIN when setting the new terminal settings: This is not good, because it means that the tcsetattr() will hang waiting for output to drain, and telnetd is the only one that will drain the output... The fix is to use TCSANOW which does not wait.

Telnetd was improperly setting/clearing the ISTRIP flag in the c_iflag field, it should be using the c_iflag field.

When the child process of telnetd was opening the slave side of the pty, it was re-setting the EXTPROC bit too early, and some of the other initialization code was wiping it out. This would cause telnetd to go out of linemode and into single character mode.
One instance of leaving linemode in telnetd forgot to send a WILL ECHO to the client, the net result would be that the user would see double character echo.

If the MODE was being changed several times very quickly, telnetd could get out of sync with the state changes and the returning acks; and wind up being left in the wrong state.

September 14, 1990:

Switch the client to use getopt() for parsing the argument list. The 4.3Reno getopt.c is included for systems that don't have getopt().

Use the posix _POSIX_VDISABLE value for what value to use when disabling special characters. If this is undefined, it defaults to 0x3ff.

For non-termio systems, TIOCSETP was being used to change the state of the terminal. This causes the input queue to be flushed, which we don't want. This is now changed to TIOCSETN.

Take out the "#ifdef notdef" around the code in the server that generates a "sync" when the pty output is flushed. The potential problem is that some older telnet clients may go into an infinite loop when they receive a "sync". if so, the server can be compiled with "NO_URGENT" defined.

Fix the client where it was setting/clearing the OPOST bit in the c_lflag field, not the c_oflag field.

Fix the client where it was setting/clearing the ISTRIP bit in the c_lflag field, not the c_iflag field. (On 4.3Reno, this is the ECHOPRT bit in the c_lflag field.) The client also had its interpretation of WILL BINARY and DO BINARY reversed.

Fix a bug in client that would cause a core dump when attempting to remove the last environment variable.

In the client, there were a few places were switch() was being passed a character, and if it was a negative value, it could get sign extended, and not match the 8 bit case statements. The fix is to and the
switch value with 0xff.

Add a couple more printoption() calls in the client, I don't think there are any more places were a telnet command can be received and not printed out when "options" is on.

A new flag has been added to the client, "-a". Currently, this just causes the USER name to be sent across, in the future this may be used to signify that automatic authentication is requested.

The USER variable is now only sent by the client if the "-a" or "-l user" options are explicitly used, or if the user explicitly asks for the "USER" environment variable to be exported. In the server, if it receives the "USER" environment variable, it won't print out the banner message, so that only "Password:" will be printed. This makes the symantics more like rlogin, and should be more familiar to the user. (People are not used to getting a banner message, and then getting just a "Password:" prompt.)

Re-vamp the code for starting up the child login process. The code was getting ugly, and it was hard to tell what was really going on. What we do now is after the fork(), in the child:
1) make sure we have no controlling tty
2) open and initialize the tty
3) do a setsid()/setpgrp()
4) makes the tty our controlling tty.
On some systems, #2 makes the tty our controlling tty, and #4 is a no-op. The parent process does a gets rid of any controlling tty after the child is fork()ed.

Use the strdup() library routine in telnet, instead of the local savestr() routine. If you don't have strdup(), you need to define NO_STRDUP.

Add support for ^T (SIGINFO/VSTATUS), found in the 4.3Reno distribution. This maps to the AYT character. You need a 4-line bugfix in the kernel to get this to work properly:

> *** ttypty.c.ORG Tue Sep 11 09:41:53 1990
> --- ttypty.c Tue Sep 11 17:48:03 1990
> ****************
The client is now smarter when setting the telnet escape character; it only sets it to one of VEOL and VEOL2 if one of them is undefined, and the other one is not already defined to the telnet escape character.

Handle TERMIOS systems that have separate input and output line speed settings imbedded in the flags.

Many other minor bug fixes.

June 20, 1990:
Re-organize makefiles and source tree. The telnet/Source directory is now gone, and all the source that was in telnet/Source is now just in the telnet directory.

Separate makefile for each system are now gone. There are two makefiles, Makefile and Makefile.generic. The "Makefile" has the definitions for the various system, and "Makefile.generic" does all the work. There is a variable called "WHAT" that is used to specify what to make. For example, in the telnet directory, you might say:
make 4.4bsd WHAT=clean
to clean out the directory.

Add support for the ENVIRON and XDISPLOC options.
In order for the server to work, login has to have the "-p" option to preserve environment variables.

Add the SOFT_TAB and LIT_ECHO modes in the LINEMODE support.

Add the "-l user" option to command line and open command
(This is passed through the ENVIRON option).

Add the "-e" command line option, for setting the escape character.

Add the "-D", diagnostic, option to the server. This allows the server to print out debug information, which is very useful when trying to debug a telnet that doesn't have any debugging ability.

Turn off the literal next character when not in LINEMODE.

Don't recognize ^Y locally, just pass it through.

Make minor modifications for Sun4.0 and Sun4.1

Add support for both FORW1 and FORW2 characters. The telnet escape character is set to whichever of the two is not being used. If both are in use, the escape character is not set, so when in linemode the user will have to follow the escape character with a <CR> or <EOF>) to get it passed through.

Commands can now be put in single and double quotes, and a backslash is now an escape character. This is needed for allowing arbitrary strings to be assigned to environment variables.

Switch telnetd to use macros like telnet for keeping track of the state of all the options.

Fix telnetd's processing of options so that we always do the right processing of the LINEMODE option, regardless of who initiates the request to turn it on. Also, make sure that if the other side went "WILL ECHO" in response to our "DO ECHO", that we send a "DONT ECHO" to get the option turned back off!

Fix the TERMIOS setting of the terminal speed to handle both BSD's seperate fields, and the SYSV method of CBAUD bits.

Change how we deal with the other side refusing to enable an option. The sequence used to be: send DO option; receive WONT option; send DONT option. Now, the sequence is: send DO option; receive WONT option. Both should be valid according to the spec, but there has been at least one client implementation of telnet identified that can get really confused by this. (The exact sequence, from a trace
on the server side, is (numbers are number of responses that we expect to get after that line...):

send WILL ECHO1 (initial request)
send WONT ECHO2 (server is changing state)
recv DO ECHO1 (first reply, ok. expect DONT ECHO next)
send WILL ECHO2 (server changes state again)
recv DONT ECHO1 (second reply, ok. expect DO ECHO next)
recv DONT ECHO0 (third reply, wrong answer. got DONT!!!)
***send WONT ECHO (send WONT to acknowledge the DONT)
send WILL ECHO1 (ask again to enable option)
recv DO ECHO0

recv DONT ECHO0
send WONT ECHO1
recv DONT ECHO0
recv DO ECHO1
send WILL ECHO0
(and the last 5 lines loop forever)

The line with the "***" is last of the WILL/DONT/WONT sequence.
The change to the server to not generate that makes this same example become:

send will ECHO1
send wont ECHO2
recv do ECHO1
send will ECHO2
recv dont ECHO1
recv dont ECHO0
recv do ECHO1
send will ECHO0

There is other option negotiation going on, and not sending the third part changes some of the timings, but this specific example no longer gets stuck in a loop. The "telnet.state" file has been modified to reflect this change to the algorithm.

A bunch of miscellaneous bug fixes and changes to make lint happier.

This version of telnet also has some KERBEROS stuff in it. This has not been tested, it uses an un-authorized telnet option number, and uses an out-of-date version of the (still being defined) AUTHENTICATION option. There is no support for this code, do not enable it.
March 1, 1990:
CHANGES/BUGFIXES SINCE LAST RELEASE:
Some support for IP TOS has been added. Requires that the
kernel support the IP_TOS socket option (currently this
is only in UNICOS 6.0).

Both telnet and telnetd now use the cc_t typedef. typedefs are
included for systems that don't have it (in termios.h).

SLC_SUSP was not supported properly before. It is now.

IAC EOF was not translated properly in telnetd for SYSV_TERMIO
when not in linemode. It now saves a copy of the VEOF character,
so that when ICANON is turned off and we can't trust it anymore
(because it is now the VMIN character) we use the saved value.

There were two missing "break" commands in the linemode
processing code in telnetd.

Telnetd wasn't setting the kernel window size information
properly. It was using the rows for both rows and columns...

Questions/comments go to
David Borman
Cray Research, Inc.
655F Lone Oak Drive
Eagan, MN 55123
dab@cray.com.

README: You are reading it.

Config.generic:
This file contains all the OS specific definitions. It
has pre-definitions for many common system types, and is
in standard makefile fromat. See the comments at the top
of the file for more information.

Config.local:
This is not part of the distribution, but if this file exists,
it is used instead of "Config.generic". This allows site
specific configuration without having to modify the distributed
"Config.generic" file.

kern.diff:
This file contains the diffs for the changes needed for the
kernel to support LINEMODE is the server. These changes are
for a 4.3BSD system. You may need to make some changes for
your particular system.
There is a new bit in the terminal state word, TS_EXTPROC. When this bit is set, several aspects of the terminal driver are disabled. Input line editing, character echo, and mapping of signals are all disabled. This allows the telnetd to turn off these functions when in linemode, but still keep track of what state the user wants the terminal to be in.

New ioctl(s):

TIOCEXTTurn on/off the TS_EXTPROC bit
TIOCGSTATEGet t_state of tty to look at TS_EXTPROC bit
TIOCSIGGenerate a signal to processes in the current process group of the pty.

There is a new mode for packet driver, the TIOCPKT_IOCTL bit. When packet mode is turned on in the pty, and the TS_EXTPROC bit is set, then whenever the state of the pty is changed, the next read on the master side of the pty will have the TIOCPKT_IOCTL bit set, and the data will contain the following:

```
struct xx {
    struct sgttyb a;
    struct tchars b;
    struct ltchars c;
    int t_state;
    int t_flags;
}
```

This allows the process on the server side of the pty to know when the state of the terminal has changed, and what the new state is.

However, if you define USE_TERMIO or SYSV_TERMIO, the code will expect that the structure returned in the TIOCPKT_IOCTL is the termio/termios structure.

stty.diff:
This file contains the changes needed for the stty(1) program to report on the current status of the TS_EXTPROC bit. It also allows the user to turn on/off the TS_EXTPROC bit. This is useful because it allows the user to say "stty -extproc", and the LINEMODE option will be automatically disabled, and saying "stty extproc" will re-enable the LINEMODE option.

telnet.state:
Both the client and server have code in them to deal with option negotiation loops. The algorithm that is used is described in this file.
telnet:
This directory contains the client code. No kernel changes are needed to use this code.

telnetd:
This directory contains the server code. If LINEMODE or KLUDGELINEMODE are defined, then the kernel modifications listed above are needed.

libtelnet:
This directory contains code that is common to both the client and the server.

arpa:
This directory has a new <arpa/telnet.h>

libtelnet/Makefile.4.4:
telnet/Makefile.4.4:
telnetd/Makefile.4.4:
These are the makefiles that can be used on a 4.3Reno system when this software is installed in /usr/src/lib/libtelnet, /usr/src/libexec/telnetd, and /usr/src/usr.bin/telnet.

The following TELNET options are supported:

LINEMODE:
The LINEMODE option is supported as per RFC1116. The FORWARDMASK option is not currently supported.

BINARY: The client has the ability to turn on/off the BINARY option in each direction. Turning on BINARY from server to client causes the LITOUT bit to get set in the terminal driver on both ends, turning on BINARY from the client to the server causes the PASS8 bit to get set in the terminal driver on both ends.

TERMINAL-TYPE:
This is supported as per RFC1091. On the server side, when a terminal type is received, termcap/terminfo is consulted to determine if it is a known terminal type. It keeps requesting terminal types until it gets one that it recognizes, or hits the end of the list. The server side looks up the entry in the termcap/terminfo data base, and generates a list of names which it then passes one at a time to each request for a terminal type, duplicating the last entry in the list before cycling back to the beginning.
NAWS: The Negotiate about Window Size, as per RFC 1073.

TERMINAL-SPEED:
Implemented as per RFC 1079

TOGGLE-FLOW-CONTROL:
Implemented as per RFC 1080

TIMING-MARK:
As per RFC 860

SGA: As per RFC 858

ECHO: As per RFC 857

LOGOUT: As per RFC 727

STATUS:
The server will send its current status upon request. It does not ask for the clients status.
The client will request the servers current status from the "send getstatus" command.

ENVIRON:
This option is currently being defined by the IETF Telnet Working Group, and an RFC has not yet been issued, but should be in the near future...

X-DISPLAY-LOCATION:
This functionality can be done through the ENVIRON option, it is added here for completeness.

AUTHENTICATION:
This option is currently being defined by the IETF Telnet Working Group, and an RFC has not yet been issued. The basic framework is pretty much decided, but the definitions for the specific authentication schemes is still in a state of flux.

ENCRYPTION:
This option is currently being defined by the IETF Telnet Working Group, and an RFC has not yet been issued. The draft RFC is still in a state of flux, so this code may change in the future.

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-- Tom St Denis
This kerberized popper was based on popper-1.831beta
which was later announced as "official" and not beta.

This program is able to talk both the pop3 and the kpop3 protocol.

Please note that the server principal is pop.hostname and not rcmd.hostname. I.e an additional entry is needed in your mailhub's /etc/srvtab. Use ksrvutil to add the extra principal.

The server is usually started from inetd and there is already an entry for that in inetd.conf.changes.

-- in order of preference

- client: support KRB5_PADATA_ENCRYPTED_CHALLENGE in lib/krb5/init_creds_pw.c
- client: don't support ENC-TS in FAST
- client: plugin support for fast plugins

- kdc: plugin support for fast plugins
  partly done with "struct kdc_patypes"

- kcm: support FAST armor ticket
  -- using PK-INIT anonymous
  -- using host key

- client: tgs-req fast support
- kdc: tgs-req fast support

Note on ksu
-----------
This program is not installed setuid root be default. If you want to install it setuid root, then you can override the package permissions with:

dpkg-statoverride --update --add root root 4755 /usr/bin/ksu

Note on ipropd and/or hpropd
-----------------------------
The following entries may be required in your /etc/services file (see bug #139845):

krb_prop 754/tcp           # Kerberos slave propagation
iprop 2121/tcp             # incremental propagation

Note on kerberos.8 man page
-----------------------------
This man page is not currently included due to conflict with kerberos4kth-kdc package. For more information on Kerberos, see:

Installing heimdal for Debian
-----------------------------
(Note: if you do not have a krb4 KDC, you may need to include
"krb4_get_tickets = no" in the [libdefaults] section of
kdc.conf; otherwise kinit will complain with an error).

Things you will have to do manually (see info documentation for details):

On KDC:
1. Add administrator keys using kadmin.

   For example:
   # kadmin -l
kadmin> add bam/admin
Max ticket life [unlimited]:
Max renewable life [unlimited]:
Principal expiration time [never]:
Password expiration time [never]:
Attributes []:
bam/admin@CHOCBIT.ORG.AU's Password:
Verifying password - bam/admin@CHOCBIT.ORG.AU's Password:

2. Add kadmin/admin key to KDC:

For example:
# kadmin -l
kadmin> add -r kadmin/admin@CHOCBIT.ORG.AU
Max ticket life [unlimited]:
Max renewable life [unlimited]:
Principal expiration time [never]:
Password expiration time [never]:
Attributes []:

(note: this key doesn't need to be extracted).

3. Enable remote admistration by creating /etc/heimdal-kdc/kadmind.acl

For example:
echo 'bam/admin@CHOCBIT.ORG.AU all' > /etc/heimdal-kdc/kadmind.acl

4. Test.

For example:
# kadmin -p bam/admin
bam/admin@CHOCBIT.ORG.AU's Password:
kadmin> list *
[should list all keys]

5. Add user keys

For example:
# kadmin -p bam/admin
bam/admin@CHOCBIT.ORG.AU's Password:
kadmin> add bam

On other computers:
1. If you installed heimdal-clients-x or heimdal-servers-x,
then you will need to add the following entry to /etc/services
kx 2111/tcp  # X over kerberos
(check to make sure this doesn't already exist).
2. edit /etc/krb5.conf
3. setup secret keys each computer, using kadmin and/or ktutil.

For example, on remote computer dewey.chocbit.org.au:

bam/admin@CHOCBIT.ORG.AU's Password:

kadmin> add -r host/dewey.chocbit.org.au
[...]
kadmin> ext host/dewey.chocbit.org.au
kadmin> add -r ftp/dewey.chocbit.org.au
[...]
kadmin> ext ftp/dewey.chocbit.org.au

The ext command extracts keys to /etc/krb5.keytab, where they can be inspected with the "ktutil list" command at the shell prompt.

Tell me if any files conflict with any other package - do not try to force the package to install, otherwise things may break...
In general, this package conflicts with kerberos4kth and probably MIT Kerberos (not packaged as of potato). Local installations under /usr/local should be OK.

Changes from upstream source:
1. popper checks for $HOME/Maildir, $HOME/Mailbox and /var/spool/mail/<user> in that order.
2. /var/lib/heimdal-kdc used instead of /var/heimdal
3. /usr/bin/login moved to /usr/lib/heimdal-servers
4. /usr/lib/heimdal-servers used instead of /usr/libexec
5. telnet and ftp have been renamed to ktelnet and kftp, and use the update-alternatives mechanism. In the future, this should allow heimdal-clients to exist at the same time as telnet-ssl.
6. kdc config files kdc.conf and kadmind.acl stored in /etc/heimdal-kdc instead of /usr/lib/heimdal-servers.

Automatically creating users
-----------------------------

Option #1: Use perl glue found at <ftp://ftp.su.se/pub/users/leifj/Heimdal-Kadm5-0.04.tar.gz>

Option #2: cat kadmin-commands | kadmin

For more details, see <http://bugs.debian.org/276402>.

-- Brian May <bam@debian.org>, Wed, 8 Dec 1999 11:54:13 +1100
This is a set of patches and files to get a DFS ticket from a k5 ticket.
This code comes from Doug Engert, Argonne Nat. Lab (See dce/README.original
The files in dce are:
testpag: for testing if this is at all possible.
k5dfspag: included in libkrb5
k5dcecon: Creates (or searches for) the actual DFSPAG ticketfile.
dpagaix: An AIX syscall stub.
README.original: Original README file from Doug Engert

Certain applications (rshd/telnetd) have been patched to call the
functions in k5dfspag when the situation is right. They are ifdef
with DCE. The patches are also originally from Doug but they
where against MIT krb5 code and have been merged into heimdal by me.
I will try to fix ftpd soon...

There is also an ifdefs for DCE && AIX that can be used to make AIX
use DCE for getting group/passwd entries. This is needed if one is running
with a bare bones passwd/group file and AUTHSTATE set to DCE (This will be
more or less clear to people doing this...) I have forced this on for now.

k5dfspag.c is in lib/krb5
k5dfspag.c is dependent on DCE only.
It is also POSIX systems only. There are defines for the location of
k5dcecon and dpagaix that needs a correct configure setting.

k5dcecon needs no special things for the compile except whatever is needed
on the target system to compile dce programs.
(On aix the dce compile flags are: -D_THREAD_SAFE -D_AIX32_THREADS=1 -D_AIX41 -D_AES_SOURCE
or one can use xlc_r4 if it is version 3.6.4 or later)

k5dcecon wants the following libs (on aix 4.3):
-ldce (and setenv from somewhere)

dpagaix is only needed on AIX (see k5dfspag.c).
dpagaix needs dfspag.exp and is linked with
ld -edpagaix -o dpagaix dpagaix.o dfspag.exp

Hope to get this into heimdal soon :-) although I know that you will have to
change some things to get it cleanly into configure. Since I don't know the
structure of the code (heimdal), nor enough of configure, good enough I
just won't try it myself.

One more thing, to get this to work one has to put fcache_version = x in
krb5.conf where x = whatever the DCE implementation understands, (usually
1 or 2).
Thanks for adding that...
"ke Sandgren (ake@hpc2n.umu.se)
HPC2N
Ume University
Sweden

PS
I have now added patches for configure.in and some Makefile.am's to get this all cleanly (I hope) into heimdal.
This package was debianized by Brian May <bam@snoopy.apana.org.au> on Wed, 8 Dec 1999 11:54:13 +1100.

It was downloaded from http://www.pdc.kth.se/heimdal/

Upstream Authors: heimdal-bugs@pdc.kth.se
(see above URL for mailing list info).

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RFCs in lib/wind:

rfc3454.txt has been stripped of content, only the tables remain.

rfc3490.txt, rfc3491.txt, rfc4013.txt, rfc4518.txt have been removed.

rfc3492.txt contains the following license:

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AES in libhcrypto

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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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import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.javadoc.Tag;

/**
 *  A simple Taglet which handles Copyright information.
 */
public class CopyrightTaglet implements Taglet {

    private static final String NAME = "copyright";
    private static final String HEADER = "Copyright:";

    public String getName() {
        return NAME;
    }

    public boolean inField() {
        return true;
    }

    public boolean inConstructor() {
        return true;
    }

    public boolean inMethod() {

    }
public boolean inOverview() {
    return true;
}

public boolean inPackage() {
    return true;
}

public boolean inType() {
    return true;
}

public boolean isInlineTag() {
    return false;
}

public static void register(Map tagletMap) {
    CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
    tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
}

public String toString(Tag tag) {
    return toString(new Tag[]{tag});
}

public String toString(Tag[] tags) {
    if (tags.length == 0) {
        return null;
    } else {
        boolean haveValidTag = false;
        for (int i = 0; i < tags.length && !haveValidTag; ++i) {
            if (tags[i].text().length() > 0) {
                haveValidTag = true;
            }
        }
        if (haveValidTag) {
            StringBuffer result = new StringBuffer();
            result.append("<dl>");
            for (int i = 0; i < tags.length; i++) {
                if (tags[i].text().length() > 0) {
                    result.append("<dt><i>Copyright ® " + tags[i].text() + "</i></dt>";
                }
            }
        }
    }
    return result.toString();
}
result.append("</dl>");
return result.toString();
}
else {
    return null;
}
}
}

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#define __java_security_Permission__

#pragma interface
#include <java/lang/Object.h>
extern "Java"
{
namespace java
{
namespace security
{
  class Permission;
  class PermissionCollection;
}
}
}

class java::security::Permission : public java::lang::Object
{
public:
  Permission(JNIEnv::String *);
  virtual void checkGuard(JNIEnv::Object *);
  virtual jboolean implies(JNIEnv::security::Permission *) = 0;
  virtual jboolean equals(JNIEnv::Object *) = 0;
  virtual jint hashCode() = 0;
  virtual JNIEnv::String * getName();
  virtual JNIEnv::String * getActions() = 0;
  virtual JNIEnv::security::PermissionCollection * newPermissionCollection();
  virtual JNIEnv::String * toString();
private:
  static const jlong serialVersionUID = -5636570222231596674LL;
  JNIEnv::String * __attribute__((aligned(__alignof__( ::java::lang::Object)))) name;
public:
  static JNIEnv::lang::Class class$;
};

@endef // __java_security_Permission__
@ignore
@c Set file name and title for man page.
@setfilename gpl
@settitle GNU General Public License
@c man begin SEEALSO
  gfdl(7), fsf-funding(7).
@c man end
@c man begin COPYRIGHT
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@c man end
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/* Permission.java -- The superclass for all permission objects

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package java.security;

import gnu.java.lang.CPStringBuilder;

import java.io.Serializable;

/**
 * This class is the abstract superclass of all classes that implement
 * the concept of a permission. A permission consists of a permission name
 * and optionally a list of actions that relate to the permission. The
 * actual meaning of the name of the permission is defined only in the
 * context of a subclass. It may name a resource to which access permissions
 * are granted (for example, the name of a file) or it might represent
 * something else entirely. Similarly, the action list only has meaning
 * within the context of a subclass. Some permission names may have no
 * actions associated with them. That is, you either have the permission
 * or you don't.
 *
 * <p>The most important method in this class is <code>implies</code>. This
 * checks whether if one has this permission, then the specified
 * permission is also implied. As a conceptual example, consider the
 * permissions "Read All Files" and "Read File foo". The permission
 * "Read All Files" implies that the caller has permission to read the
 * file foo.
 *
 * <p><code>Permission</code>'s must be immutable - do not change their
 * state after creation.
 *
 * @author Aaron M. Renn (arenn@urbanophile.com)
 * @see Permissions
 * @see PermissionCollection
 * @since 1.1
public abstract class Permission implements Guard, Serializable {
    
    private static final long serialVersionUID = -563657022231596674L;
    
    private String name;
    
    public Permission(String name) {
        this.name = name;
    }
    
    public void checkGuard(Object obj) {
        SecurityManager sm = System.getSecurityManager();
        if (sm != null) {
            sm.checkPermission(this);
        }
    }
    
    protected boolean implies(Permission other) {
        // implementation...
    }

    // other methods...
}
* @param perm the <code>Permission</code> to test against
* @return true if perm is implied by this
 */
public abstract boolean implies(Permission perm);

/**
 * Check to see if this object equals obj. Use <code>implies</code>, rather
 * than <code>equals</code>, when making access control decisions.
 * @param obj the object to compare to
 * @return a hash value
 */
public abstract boolean equals(Object obj);

/**
 * This method returns a hash code for this <code>Permission</code>. It
 * must satisfy the contract of <code>Object.hashCode</code>: it must be
 * the same for all objects that equals considers to be the same.
 * @return a hash value
 */
public abstract int hashCode();

/**
 * Get the name of this <code>Permission</code>.
 * @return the name
 */
public final String getName()
{
    return name;
}

/**
 * This method returns the list of actions for this <code>Permission</code>
 * as a <code>String</code>. The string should be in canonical order, for
 * example, both <code>new FilePermission(f, "write,read")</code> and
 * <code>new FilePermission(f, "read,write")</code> have the action list
 * "read,write".
 * @return the action list for this <code>Permission</code>
 */
public abstract String getActions();

/**
 * This method returns an empty <code>PermissionCollection</code> object
 * that can store permissions of this type, or <code>null</code> if no
 * such collection is defined. Subclasses must override this to provide
* an appropriate collection when one is needed to accurately calculate
  * `<code>implies</code>`.
  *
  * `@return` a new `<code>PermissionCollection</code>`
  */
public PermissionCollection newPermissionCollection()
{
  return null;
}

/**
 * This method returns a `<code>String</code>` representation of this
 * `<code>Permission</code>` object. This is in the format:
 * `<code>(\' + getClass().getName() + \'+ getName() + \'+ getActions
 * + \')\'\</code>`.
 * *
 * `@return` this object as a `<code>String</code>`
 */
public String toString()
{
  CPStringBuilder string = new CPStringBuilder();

  string = string.append('l');
  string = string.append(getClass().getName());
  string = string.append(' ');
  string = string.append(getName());
  if (!(getActions().equals("")))
    {
      string = string.append(' '); 
      string = string.append(getActions());
    }

  string = string.append('l');
  return string.toString();
}
} // class Permission

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The script also doesn't change testsuite files, except those in libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite, while most tests in other directories are just things that failed at some point in the past.

Pass --this-year to the script if you want it to add the current year to all applicable notices. Pass --quilt if you are using quilt and want files to be added to the quilt before being changed.

By default the script will update all directories for which the output has been vetted. You can instead pass the names of individual directories, including those that haven't been approved. So:

update-copyright.pl --this-year

is the command that would be used at the beginning of a year to update all copyright notices (and possibly at other times to check whether new files have been added with old years). On the other hand:

update-copyright.pl --this-year libjava

would run the script on just libjava/.

Note that things like --version output strings must be updated before this script is run. There's already a separate procedure for that.

```python
import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__(self):
        self.num_errors = 0

    def report(self, filename, string):
        if filename:
            string = filename + ': ' + string
        sys.stderr.write(string + '
')
        self.num_errors += 1

    def ok(self):
        return self.num_errors == 0
```
class GenericFilter:
    def __init__(self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set(['
            # Skip licence files.
            'COPYING',
            'COPYING.LIB',
            'COPYING3',
            'COPYING3.LIB',
            'LICENSE',
            'fdl.texi',
            'gpl_v3.texi',
            'fdl-1.3.xml',
            'gpl-3.0.xml',

            # Skip auto- and libtool-related files
            'aclocal.m4',
            'compile',
            'config.guess',
            'config.sub',
            'decomp',
            'install-sh',
            'libtool.m4',
            'ltmain.sh',
            'ltotptions.m4',
            'ltuxer.m4',
            'ltversion.m4',
            'lt--obsolete.m4',
            'missing',
            'mkdep',
            'mkinstalldirs',
            'move-if-change',
            'shlibpath.m4',
            'symlink-tree',
            'ylwrap',

            # Skip FSF mission statement, etc.
            'gnu.texi',
            'funding.texi',
            'appendix_free.xml',

            # Skip imported texinfo files.
            'texinfo.tex',
            'texinfo.tex','

        Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 66685
```python
def get_line_filter(self, dir, filename):
    if filename.startswith('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile('	')
    return None

def skip_file(self, dir, filename):
    if filename in self.skip_files:
        return True
    (base, extension) = os.path.splitext(os.path.join(dir, filename))
    if extension in self.skip_extensions:
        return True
    if extension == '.in':
        # Skip .in files produced by automake.
        if os.path.exists(base + '.am'):
            return True
    # Skip files produced by autogen
    if (os.path.exists(base + '.def')
        and os.path.exists(base + '.tpl')):
        return True
    # Skip configure files produced by autoconf
    if filename == 'configure':
        if os.path.exists(base + '.ac'):
            return True
        if os.path.exists(base + '.in'):
            return True
    return False

def skip_dir(self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file(self, dir, filename):
    if filename in self.fossilised_files:
        return True
    # Only touch current current ChangeLogs.
    if filename != 'ChangeLog' and filename.find('ChangeLog') >= 0:
        return True
    return False
```

---

**Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 66686**
def by_package_author(self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__(self, errors):
        self.errors = errors

        # Characters in a range of years. Include '-' for typos.
        ranges = '[0-9]\([-0-9,.s+and]+[0-9]'

        # Non-whitespace characters in a copyright holder's name.
        name = '\[w.,-]'

        # Matches one year.
        self.year_re = re.compile('[0-9]+')

        # Matches part of a year or copyright holder.
        self.continuation_re = re.compile(ranges + '|' + name)

        # Matches a full copyright notice:
        self.copyright_re = re.compile((
            # 1: 'Copyright (C)', etc.
            '(\[Cc]\[opyright' 
            '[Cc]\[opyright+s+\([Cc]\)' 
            '\[Cc]\[opyright+s+%s' 
            '\[Cc]\[opyright+s+&copy;' 
            '\[Cc]\[opyright+s+@copyright{}' 
            '\copyright = u"' 
            '\@set+s+copyright\[w-.+]')

        # 2: the years. Include the whitespace in the year, so that
        # we can remove any excess.
        '(\s*(?:' + ranges + ',? 
        '\@value\{[^{}]*\})\s*)' 

        # 3: 'by ', if used
        '(by|\s\+)' 

        # 4: the copyright holder. Don't allow multiple consecutive
        # spaces, so that right-margin gloss doesn't get caught
        # (e.g. gnat_ugn.texi).
        '([^\s]+)' 

        # A regexp for notices that might have slipped by. Just matching
        # 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
        # HTML header markers, so check for 'copyright' and two digits.
        self.other_copyright_re = re.compile('copyright.*[0-9][0-9]',
            re.IGNORECASE)
self.comment_re = re.compile('#[+][*]+|:+|%=|//|@c|dnl')
self.holders = { '@copying': '@copying' }
self.holder_prefixes = set()

# True to 'quilt add' files before changing them.
self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s). Could be ', '.
self.separator = '

def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find (' ')
    while index >= 0:
        self.holder_prefixes.add (holder[:index])
        index = holder.find (' ', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__ (self, year):
        self.year = year

    def __str__ (self):
        return 'unrecognised year: ' + self.year

def parse_year (self, string):
    year = int (string)
    if len (string) == 2:
        if year > 70:
            return year + 1900
        elif len (string) == 4:
            return year
        raise self.BadYear (string)

    def year_range (self, years):
        year_list = [self.parse_year (year)
                     for year in self.year_re.findall (years)]
        assert len (year_list) > 0
        return (min (year_list), max (year_list))

def set_use_quilt (self, use_quilt):
self.use_quilt = use_quilt

def include_year (self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years (self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith ('@value'):
        return years
    (min_year, max_year) = self.year_range (years)

    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file (dir, filename):
        max_year = max (max_year, self.max_year)

    # Use a range.
    if min_year == max_year:
        return '%d' % min_year
    else:
        return '%d-%d' % (min_year, max_year)

def strip_continuation (self, line):
    line = line.lstrip()
    match = self.comment_re.match (line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete (self, match):
    holder = match.group (4)
    return (holder
        and (holder not in self.holder_prefixes
            or holder in self.holders))

def update_copyright (self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join (dir, filename)

    intro = match.group (1)
    if intro.startswith ('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end (2):].strip()
        if after_years != ':
            self.errors.report (pathname,
                'trailing characters in @set: '

else:
    # If it looks like the copyright is incomplete, add the next line.
    while not self.is_complete(match):
        try:
            next_line = file.next()
        except StopIteration:
            break

        # If the next line doesn't look like a proper continuation,
        # assume that what we've got is complete.
        continuation = self.strip_continuation(next_line)
        if not self.continuation_re.match(continuation):
            break

        # Merge the lines for matching purposes.
        orig_line += next_line
        line = line.rstrip() + ' ' + continuation
        next_line = None

        # Rematch with the longer line, at the original position.
        match = self.copyright_re.match(line, match.start())
        assert match
        holder = match.group(4)

    # Use the filter to test cases where markup is getting in the way.
    if filter.by_package_author(dir, filename):
        assert holder not in self.holders

    elif not holder:
        self.errors.report(pathname, 'missing copyright holder')
        return (False, orig_line, next_line)

    elif holder not in self.holders:
        self.errors.report(pathname, 'unrecognised copyright holder: ' + holder)
        return (False, orig_line, next_line)

    else:
        # See whether the copyright is associated with the package
        # author.
        canon_form = self.holders[holder]
        if not canon_form:
            return (False, orig_line, next_line)

        # Make sure the author is given in a consistent way.
line = (line[:match.start (4)]
    + canon_form
    + line[match.end (4):])

# Remove any 'by'
line = line[:match.start (3)] + line[match.end (3):]

# Update the copyright years.
years = match.group (2).strip()
try:
canon_form = self.canonicalise_years (dir, filename, filter, years)
except self.BadYear as e:
    self.errors.report (pathname, str (e))
    return (False, orig_line, next_line)

line = (line[:match.start (2)]
    + ('' if intro.startswith ('copyright = ') else ' ')
    + canon_form + self.separator
    + line[match.end (2):])

# Use the standard (C) form.
if intro.endswith ('right'):
    intro += ' (C)'
e elif intro.endswith ('(c)'):
    intro = intro[:-3] + '(C)'
line = line[:match.start (1)] + intro + line[match.end (1):]

# Strip trailing whitespace
line = line.rstrip() + '\n'
return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)
        except OSError:
            pass
    return
    lines = []
    changed = False
    line_filter = filter.get_line_filter (dir, filename)
    with open (pathname, 'r') as file:
        prev = None
        for line in file:
while line:
    next_line = None
    # Leave filtered-out lines alone.
    if not (line_filter and line_filter.match(line)):
        match = self.copyright_re.search(line)
        if match:
            res = self.update_copyright(dir, filename, filter,
                 file, line, match)
            (this_changed, line, next_line) = res
            changed = changed or this_changed

    # Check for copyright lines that might have slipped by.
    elif self.other_copyright_re.search(line):
        self.errors.report(pathname,
                 'unrecognised copyright: %s'
                 % line.strip())
        lines.append(line)
        line = next_line

    # If something changed, write the new file out.
    if changed and self.errors.ok():
        tmp_pathname = pathname + ' .tmp'
        with open(tmp_pathname, 'w') as file:
            for line in lines:
                file.write(line)
        if self.use_quilt:
            subprocess.call(['quilt', 'add', pathname])
        os.rename(tmp_pathname, pathname)

def process_tree(self, tree, filter):
    for (dir, subdirs, filenames) in os.walk(tree):
        # Don't recurse through directories that should be skipped.
        for i in xrange(len(subdirs) - 1, -1, -1):
            if filter.skip_dir(dir, subdirs[i]):
                del subdirs[i]

        # Handle the files in this directory.
        for filename in filenames:
            if filter.skip_file(dir, filename):
                sys.stdout.write('Skipping %s
'
                 % os.path.join(dir, filename))
            else:
                self.process_file(dir, filename, filter)

class CmdLine:
    def __init__(self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright(self.errors)
self.dirs = []
self.default_dirs = []
self.chosen_dirs = []
self.option_handlers = dict()
self.option_help = []

self.add_option ('--help', 'Print this help', self.o_help)
self.add_option ('--quilt', '"quilt add" files before changing them', self.o_quilt)
self.add_option ('--this-year', 'Add the current year to every notice', self.o_this_year)

def add_option (self, name, help, handler):
    self.option_help.append ((name, help))
    self.option_handlers[name] = handler

def add_dir (self, dir, filter = GenericFilter()):
    self.dirs.append ((dir, filter))

def o_help (self, option = None):
    sys.stdout.write ('Usage: %s [options] dir1 dir2...\n\n' % sys.argv[0])
    format = '%-15s %s\n'
    for (what, help) in self.option_help:
        sys.stdout.write (format % (what, help))
    sys.stdout.write ('Directories:\n')
    format = '%-25s'
    i = 0
    for (dir, filter) in self.dirs:
        i += 1
        if i % 3 == 0 or i == len (self.dirs):
            sys.stdout.write (dir + '\n')
        else:
            sys.stdout.write (format % dir)
    sys.exit (0)

def o_quilt (self, option):
    self.copyright.set_use_quilt (True)

def o_this_year (self, option):
    self.copyright.include_year (time.localtime().tm_year)

def main (self):
    for arg in sys.argv[1:]:
        if arg[:1] != '-':
            self.chosen_dirs.append (arg)
        elif arg in self.option_handlers:
self.option_handlers[arg] (arg)
else:
    self.errors.report (None, 'unrecognised option: ' + arg)
if self.errors.ok():
    if len (self.chosen_dirs) == 0:
        self.chosen_dirs = self.default_dirs
    if len (self.chosen_dirs) == 0:
        self.o_help()
else:
    for chosen_dir in self.chosen_dirs:
        canon_dir = os.path.join (chosen_dir, '')
        count = 0
        for (dir, filter) in self.dirs:
            if (dir + os.sep).startswith (canon_dir):
                count += 1
                self.copyright.process_tree (dir, filter)
        if count == 0:
            self.errors.report (None, 'unrecognised directory: ' + chosen_dir)
        sys.exit (0 if self.errors.ok() else 1)

#--------------------------------------------------------------------------------

class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True

class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

def skip_file (self, dir, filename):
    if filename.endswith ('.m4'):
        pathname = os.path.join (dir, filename)
        with open (pathname) as file:
            # Skip files imported from gettext.
            if file.readline().find ('gettext-') >= 0:
                return True
        return GenericFilter.skip_file (self, dir, filename)

class GCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    self.skip_files |= set ([
        # Not part of GCC
        'math-68881.h',
    ])

-----------------------------
self.skip_dirs |= set([  
    # Better not create a merge nightmare for the GNAT folks.  
    'ada',

    # Handled separately.  
    'testsuite',
])

self.skip_extensions |= set([  
    # Maintained by the translation project.  
    '.po',

    # Automatically-generated.  
    '.pot',
])

self.fossilised_files |= set([  
    # Old news won't be updated.  
    'ONEWS',
])

class TestsuiteFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set([  
            # Don't change the tests, which could be woend by anyone.  
            '.c',
            '.C',
            '.cc',
            '.h',
            '.hs',
            '.f',
            '.f90',
            '.go',
            '.inc',
            '.java',
        ])

    def skip_file (self, dir, filename):
        # g++.niklas/README contains historical copyright information
        # and isn't updated.
        if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
            return True
        return GenericFilter.skip_file (self, dir, filename)

class LibCppFilter (GenericFilter):
def __init__(self):
    GenericFilter.__init__(self)

    self.skip_extensions |= set([
        # Maintained by the translation project.
        '.po',

        # Automatically-generated.
        '.pot',
    ])

class LibGCCFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_dirs |= set([
            # Imported from GLIBC.
            'soft-fp',
        ])

class LibJavaFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_dirs |= set([
            # Handled separately.
            'testsuite',

            # Not really part of the library
            'contrib',

            # Imported from upstream
            'classpath',
            'libltdl',
        ])

def get_line_filter(self, dir, filename):
    if filename == 'NameDecoder.h':
        return re.compile('.*NAME_COPYRIGHT')
    if filename == 'ICC_Profile.h':
        return re.compile('.*icSigCopyrightTag')
    return GenericFilter.get_line_filter(self, dir, filename)

class LibMudflapFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_dirs |= set([}
class LibStdCxxFilter (GenericFilter):
  def __init__ (self):
    GenericFilter.__init__ (self)

    self.skip_files |= set (
      # Contains no copyright of its own, but quotes the GPL.
      [ 'intro.xml', ],
    )

    self.skip_dirs |= set (
      # Contains automatically-generated sources.
      [ 'html', ],

      # The testsuite data files shouldn't be changed.
      [ 'data', ],

      # Contains imported images
      [ 'images', ],
    )

    self.own_files |= set (
      # Contains markup around the copyright owner.
      [ 'spine.xml', ],
    )

  def get_line_filter (self, dir, filename):
    if filename == 'boost_concept_check.h':
      return re.compile ('// (C) Copyright Jeremy Siek')
    return GenericFilter.get_line_filter (self, dir, filename)

class GCCCopyright (Copyright):
  def __init__ (self, errors):
    Copyright.__init__ (self, errors)

    canon_fsf = 'Free Software Foundation, Inc.'
    self.add_package_author ('Free Software Foundation', canon_fsf)
    self.add_package_author ('Free Software Foundation.', canon_fsf)
    self.add_package_author ('Free Software Foundation Inc.', canon_fsf)
    self.add_package_author ('Free Software Foundation, Inc', canon_fsf)
    self.add_package_author ('Free Software Foundation, Inc.', canon_fsf)
    self.add_package_author ('The Free Software Foundation', canon_fsf)
    self.add_package_author ('The Free Software Foundation, Inc.', canon_fsf)
    self.add_package_author ('Software Foundation, Inc.', canon_fsf)
self.add_external_author('ARM')
self.add_external_author('AdaCore')
self.add_external_author('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
self.add_external_author('Cavium Networks.')
self.add_external_author('Faraday Technology Corp.')
self.add_external_author('Florida State University')
self.add_external_author('Greg Colvin and Beman Dawes.')
self.add_external_author('Hewlett-Packard Company')
self.add_external_author('Information Technology Industry Council.')
self.add_external_author('James Theiler, Brian Gough')
self.add_external_author('Makoto Matsumoto and Takuji Nishimura,')
self.add_external_author('National Research Council of Canada.')
self.add_external_author('Peter Dimov and Multi Media Ltd.')
self.add_external_author('Peter Dimov')
self.add_external_author('Pipeline Associates, Inc.')
self.add_external_author('Regents of the University of California.')
self.add_external_author('Silicon Graphics Computer Systems, Inc.')
self.add_external_author('Silicon Graphics')
self.add_external_author('Stephen L. Moshier')
self.add_external_author('Sun Microsystems, Inc. All rights reserved.')
self.add_external_author('The Go Authors. All rights reserved.')
self.add_external_author('The Go Authors.')
self.add_external_author('The Regents of the University of California.')
self.add_external_author('Unicode, Inc.')
self.add_external_author('University of Toronto')

class GCCCmdLine (CmdLine):
    def __init__ (self):
        CmdLine.__init__ (self, GCCCopyright)

        self.add_dir ('.', TopLevelFilter())
        # boehm-gc is imported from upstream.
        self.add_dir ('config', ConfigFilter())
        # contrib isn't really part of GCC.
        self.add_dir ('fixincludes')
        self.add_dir ('gcc', GCCFilter())
        self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir ('gnattools')
        self.add_dir ('include')
        self.add_dir ('libada')
        self.add_dir ('libatomic')
        self.add_dir ('libbacktrace')
        self.add_dir ('libc++', LibCppFilter())
        self.add_dir ('libgcc', LibGCCFilter())
        self.add_dir ('libgfortran')

        # libffi is imported from upstream.
        self.add_dir ('libg++', LibGCCFilter())
        self.add_dir ('libfortran')
self.add_dir('libgomp')
self.add_dir('libiberty')
self.add_dir('libitm')
self.add_dir('libjava', LibJavaFilter())
self.add_dir(os.path.join('libjava', 'testsuite'), TestsuiteFilter())
self.add_dir('libmudflap', LibMudflapFilter())
self.add_dir(os.path.join('libmudflap', 'testsuite'), TestsuiteFilter())
self.add_dir('libobjc')
self.add_dir('libquadmath')
# libsanitiser is imported from upstream.
self.add_dir('libssp')
self.add_dir('libstdc++-v3', LibStdCxxFilter())
self.add_dir('lto-plugin')
# zlib is imported from upstream.

self.default_dirs = [
    'gcc',
    'libada',
    'libatomic',
    'libbacktrace',
    'libcpp',
    'libdeecnumber',
    'libgcc',
    'libgfortran',
    'libgomp',
    'libitm',
    'libmudflap',
    'libobjc',
    'libstdc++-v3',
]

GCCCmdLine().main()

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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.)

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6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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/* Use the Sequent Symmetry assembler syntax. */
/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using underscores, we are using prefix `.':s to identify labels that should be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */
#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS */
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) /*

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE, SIZE) \
fprintf (FILE, "\t.space HOST_WIDE_INT_PRINT_UNSIGNED\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line to define a global common symbol. */
#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED) \
 ( fputs (".comm ", (FILE)),\n   assemble_name ((FILE), (NAME)),\n   fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line to define a local common symbol. */
#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED) \
 ( fputs (".lcomm ", (FILE)),\n   assemble_name ((FILE), (NAME)),\n   fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

#define HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT) \
 ( fputs (".lcomm ", (FILE)),\n   assemble_name ((FILE), (NAME)),\n   fprintf ((FILE), ",%u\n", (int)(ROUNDED)))
assemble_name ((FILE), (NAME)),
fprintf ((FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line
   that says to advance the location counter
to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG)\
if ((LOG)!=0) fprintf ((FILE), "t.align %d\n", (LOG))

/* This is how to store into the string BUF
   the symbol_ref name of an internal numbered label where
   PREFIX is the class of label and NUM is the number within the class.
   This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)\
sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX "_"

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don’t split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice
N65P
RTSjava/lang/String01
:V95stringL.gnu/java/lang/CPStringBuilder;
SourceFilePermission.java!
F
**+[]^**

XM,.**$nop
q  *
-.-012345/*6578,95S:Y<(-=L+*AEIL+ =L+*LIL*MOQ+ =L+*MIL+)=L+U*
"+7>GNSKWXYZ

// DO NOT EDIT THIS FILE - it is machine generated .*- c++ .*- 

#ifndef __java_security_acl_Permission__
define __java_security_acl_Permission__

#pragma interface

#include <java/lang/Object.h>
extern "Java"
{
namespace java
{
namespace security
{
namespace acl
{
class Permission;
}
}
}

class java::security::acl::Permission : public ::java::lang::Object
{

public:
virtual jboolean equals(::java::lang::Object *) = 0;
virtual ::java::lang::String * toString() = 0;
static ::java::lang::Class class$;
} __attribute__ ((java_interface));

#endif // __java_security_acl_Permission__
This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.
HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM.

Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.

Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code.

Jesper Peterson (jep@mtiame.mitia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.

Thomas Funke (thf@zelator.in-berlin.de(?) and Brian D. Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.

Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.

Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlef(s@src.dec.com) also provided several generic bug fixes.

Alistair G. Crooks (age@uts.amdahl.com) supplied the NetBSD and 386BSD ports.

Jeffrey Hsu (hsu@soda.berkeley.edu) supplied 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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/**
 * This interface provides information about a permission that can be granted. Note that this is not the same as the class java.security.Permission.
 * @version 0.0
 * @author Aaron M. Renn (arenn@urbanophile.com)
 */

public interface Permission {
    /**
     * This method tests whether or not a specified Permission (passed as an Object) is the same as this permission.
     * @param perm The permission to check for equality
     * @return true if the specified permission is the same as this one, false otherwise
     */
    boolean equals (Object perm);

    /**
     * This method returns this Permission as a String representing this permission.
     * @return A String representing this permission.
     */
}
String toString();
}
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\" Standard preamble:
\"=======================================================================
de Sh " Subsection heading
.. Vertical space (when we can’t use .PP)
.. if t .Sp .5v
.. if n .Sp
.. de Sp \" Begin verbatim text
.. ft CW
.. nf
.. ne \S I
.. de Ve \" End verbatim text
.. ft R
.. fi

\" Set up some character translations and predefined strings. \(-- will
\" give an unbreakable dash, \(PI will give pi, \(L” will give a left
\" double quote, and \(R” will give a right double quote. \(C+ will
\" give a nicer C++. Capital omega is used to do unbreakable dashes and
\" therefore won’t be available. \(C” and \(C’ expand to ‘’ in nroff,
\" nothing in troff, for use with C<<.
.tr \("W-.
.ds C+ C\v’-1v’h’-1p’\v’-2+\h’-1p’+\v’0\v’-1v’-1p’
.ie n \{
 . ds -- \("W-.
 . ds PI pi
 . if (\n(\(H=4u)\&(1m=24u) .ds -- \("W\h’-12u\"(\"W\h’-12u\")\v’ diablo 10 pitch
 . if (\n(\(H=4u)\&(1m=20u) .ds -- \("W\h’-12u\"(\"W\h’-8u\")\v’ diablo 12 pitch
 . ds L” "
 . ds R” "
 . ds C” "
 . ds C’ "
 ’br\}
.ef\{
 . ds -- \}(em\}
 . ds PI \"p
 . ds L” "
 . ds R” "
 ’br\}
\"
\" Escape single quotes in literal strings from groff’s Unicode transform.
.ie \n(,g .ds Aq \(aq
.el .ds Aq'
If the F register is turned on, we'll generate index entries on stderr for titles (.TH), headers (.SH), subsections (.Sh), items (.Ip), and index entries marked with X<> in POD. Of course, you'll have to process the output yourself in some meaningful fashion.

```
.ie \nF \{
  . de IX
  . tm Index:\$1\n\n%t"\$2"
.. 
  nr % 0
  rr F
\}
.el \{
  . de IX
.. 
\}
```

Accent mark definitions (@(#)ms.acc 1.5 88/02/08 SMI; from UCB 4.2).

Fear. Run. Save yourself. No user-serviceable parts.

```
.if n \{
  . ds #H 0
  . ds #V .8m
  . ds #F .3m
  . ds #[ \&
  . ds #] \&
\}
```

```
.if t \{
  . ds #H ((1-(\\n(.fu%2u))*.13m)
  . ds #V .6m
  . ds #F 0
  . ds #[ \&
  . ds #] \&
\}
```

```
.if n \{
  . ds ` \&
  . ds ` ` \&
  . ds ^ ` \&
  . ds , ` \&
  . ds ~ ~
  . ds /
\}
```

```
.if t \{
  . ds `\k:\h'-(\n(.wu*8/10-\*(#H)"\n\h")\n\n:u"
  . ds `\k:\h'-(\n(.wu*8/10-\*(#H)\"\n\h")\n\n:u'
  . ds ^\k:\h'-(\n(.wu*10/11-\*(#H)'^\h'|\n\h')"\n\n:u'
  . ds , \k:\h'-(\n(.wu*8/10),\h'|\n\h')"\n\n:u'
```
. ds ~ \k:\h'-\n,(wu-\*(#H-1m)'~\h'\n\u'
. ds / \k:\h'-\n,(wu*8/10-\*(#H)'z(\s(\h'\n\u'
.}
. V" troff and (daisy-wheel) nroff accents
 .ds : \k:\h'-\n,(wu*8/10-\*(#H+.1m+\*(#F)'\v'-\*(#V'z.2m+\*(#F',\h'\n\u\v'(#V'
 .ds 8 \h'\v'(#H'\v'\*(#F'\v'\*(#V'
 .ds o \k:\h'-\n,(wu*+w'(de'\u-\*(#H)/2u'v'-.3n\v'\#f\z(de'\v\.3n\h'\n\u'\v'(#)
 .ds d- \h'\v'(pd'\w'-\u'\v'-.25\m'2h(\y'\p'\v'-.25\m'\h'\v'\#H'
 .ds D- D\k:\h'-\w'D'u'\v'-.11\m'\v'\y'\v'-.11\m'\h'\n\u'
 .ds th \v'(\w'3m'\s+1t's-1w'-3m'\h'-(w'Tu'+2/3)s-1t's+1\v'(#)
 .ds Th \v'(\s+2Ds-2h'\w'Tu'+3/5\w'-3m'\o'\v'-.3m'\v'\#(#)
 .ds ae a\h'-(w'a'u'+4/10)e
 .ds Ae A\h'-(w'A'u'*4/10)E
 . V" corrections for vroff
 .if v .ds ~ \k:\h'-\n,(wu*9/10-\*(#H)'s-2u~-\d'u'2\h'\n\u'
 .if v .ds ^ \k:\h'-\n,(wu*10/11-\*(#H)'\v'-.4m'\v'-.4m'\h'\n\u'
 . V" for low resolution devices (crt and lpr)
 .if \n(H>23 .if \n(V>19 "
"}
 . ds : e
 . ds 8 ss
 . ds o a
 . ds d- d\h'-1\(ga
 . ds D- D\h'-1\(hy
 . ds th wo'bp'
 . ds Th wo'LP'
 . ds ae ae
 . ds Ae AE
 .}
 .rm #[ #] #H #V #F C
 .V" ===================================
 .V" .IX Title "GPL 7"
 .TH GPL 7 "2016-06-03" "gcc-5.4.0" "GNU"
 .V" For nroff, turn off justification. Always turn off hyphenation; it makes
 .V" way too many mistakes in technical documents.
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 .IX Header "DESCRIPTION"
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.IX Subsection "Preamble"

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\textit{0. Definitions.} 4

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// DO NOT EDIT THIS FILE - it is machine generated -*. c++ -*.

#ifndef __gnu_javax_sound_AudioSecurityManager$Permission__
#define __gnu_javax_sound_AudioSecurityManager$Permission__

#pragma interface

#include <java/lang/Enum.h>
#include <gcj/array.h>

extern "Java"
{
namespace gnu
{
namespace javax
{
namespace sound
{

class AudioSecurityManager$Permission;
}
}
}
}

class gnu::javax::sound::AudioSecurityManager$Permission : public ::java::lang::Enum
{

AudioSecurityManager$Permission(::java::lang::String *, jint);

public:
static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * values();
static ::gnu::javax::sound::AudioSecurityManager$Permission * valueOf(::java::lang::String *);
static ::gnu::javax::sound::AudioSecurityManager$Permission * PLAY;
static ::gnu::javax::sound::AudioSecurityManager$Permission * RECORD;
static ::gnu::javax::sound::AudioSecurityManager$Permission * ALL;

private:
static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * ENUM$VALUES;

public:
static ::java::lang::Class class$;
};

#endif // __gnu_javax_sound_AudioSecurityManager$Permission__
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It was downloaded from ftp.redhat.com, as a source .rpm from the 5.1 release.

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No explicit copyright is asserted. Nick Holloway is the earliest author recorded in the sourcecode. I queried him for an explicit statement regarding the license status of this work, and this is his reply:

Date: Tue, 21 Jul 1998 19:57:10 +0100
From: Nick Holloway <Nick.Holloway@alfie.demon.co.uk>
Message-Id: <199807211857.TAA19068@alfie.demon.co.uk>
To: Bdale Garbee <bdale@gag.com>
Subject: Re: makedev license?

> I maintain the makedev package for Debian GNU/Linux. I am about to move
> from the ill-fated makedev-1.6 to the makedev-2.3.1 derived from your work
> by the folks at Redhat. I don't see any evidence of a copyright assertion
> or explicit license statement in the source. Your name appears to be the
> earliest attached to the current sourcecode. Am I correct in assuming the
> GPL? We try to be meticulous about having our base system be compliant
> with our Debian Free Software Guidelines, so I'd like an explicit statement.

It was never explicitly released as GPL, as that would have required including the file COPYING which would have been much larger than the actual MAKEDEV script (I was also too lazy to find out what incantations needed to be made). However, it is intended to be used as anyone sees fit, and the statement under "Copying Policy" is "Freely Redistributable" (see MAKEDEV.1sm from any of the releases I made).

The more recent modifications were done by Michael K. Johnson at Redhat. I think the understanding was that he would be taking over the maintenance of MAKEDEV (our discussion took place last September).

The only previous history was (according to an old posting to comp.os.linux) that I started with Jim Winstead's script.

So, as far as I am concerned, it is consistent with the Debian FSG.

--

‘O O’ | Home: Nick.Holloway@alfie.demon.co.uk http://www.alfie.demon.co.uk/
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1.6664 libdb 5.3.28-37.el8

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1.6667 stringio 0.0.1
1.6667.1 Available under license:
No license file was found, but licenses were detected in source scan.

 /******************************************************************************
 stringio.c -
 $Author$
 $RoughId: stringio.c,v 1.13 2002/03/14 03:24:18 nobu Exp$
 created at: Tue Feb 19 04:10:38 JST 2002

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 /*******************************************************************************/

 Found in path(s):
 * /opt/cola/permits/1112082522_1607034672.43/0/stringio-0-0-1-1-gem/data-tar-gz/stringio.c

1.6668 python-html5lib 0.999-3
1.6668.1 Available under license:
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1.6669 netty-tcnative-boringssl-static
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@c End:

1.6676 service-identity 16.0.0
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This package was put together by Klee Dienes <klee@debian.org> from sources from ftp.python.org:/pub/python, based on the Debianization by the previous maintainers Bernd S. Breitrup <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

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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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.

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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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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.

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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.

As an exception to the Sections above, you may also combine or
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Accompany the work with the complete corresponding
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Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
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Library will not necessarily be able to recompile the application
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Accompany the work with a written offer, valid for at
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@end enumerate

@enumerate a
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@end enumerate

@item
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@subheading END OF TERMS AND CONDITIONS

@page

@subheading How to Apply These Terms to Your New Libraries

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Ty Coon, President of Vice
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@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:

1.6688 libpammodulesbin 1.1.8 3.2ubuntu2.1
1.6688.1 Available under license :

Hello!

Thanks for downloading Linux-PAM.

NOTES:

How to use it is as follows:

  ./configure --help | less
  ./configure <your-options>
  make

To make sure everything was compiled correct, run:

  make check

If a test fails, you should not continue to install this build.
These tests require a suitable file /etc/pam.d/other; if necessary, create such a file containing, e.g., these five lines (not indented)

  #%PAM-1.0
  auth requiredpam_deny.so
  account requiredpam_deny.so
  password requiredpam_deny.so
  session requiredpam_deny.so

Note, if you are worried - don't even think about doing the next line (most Linux distributions already support PAM out of the box, so if something goes wrong with installing the code from this version your box may stop working..)

  make install
That said, please report problems to the bug reporting database on sourceforge.net.

You can run additional checks after installing by executing

    make xtests

as root.

WARNING: Running "make xtests" can overwrite configuration data or make the system insecure/unfunctional for a short time!
Backup all important data before!

If you do not wish to make the modules dynamically loadable, but build a static libpam including all PAM modules, you have to call:

    ./configure --enable-static-modules --disable-pie

In this case you cannot use pam_unix in the PAM config files instead you have to use pam_unix_acct, pam_unix_auth, pam_unix_passwd and pam_unix_session.

To run the build checks with static modules, you need to run the following command: make -C test check && make check

To regenerate manual pages from the XML source files you need the docbook-xsl stylesheets in version 1.69.1 or newer, older versions had a bug which generates a broken layout.

PAM for Debian
-------------

PAM (Pluggable Authentication Modules) provides system administrators with a powerful method of controlling system access and methods of authentication.

The documentation for PAM is packaged in the "libpam-doc" package. The "Linux-PAM System Administrator's Guide" covers configuring PAM, what modules are available etc. The documentation also includes "The Linux-PAM Application Developers' Guide" and "The Linux-PAM Module Writers' Guide".

The Debian default configuration is to emulate the old UNIX authentication.

This package uses quilt to manage all modifications to the upstream source. Changes are stored in the source package as diffs in debian/patches-applied and applied during the build. Please see:
for more information on how to apply the patches, modify patches, or remove a patch.

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1.6691 querystring-es3 0.2.1

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1.6695 libalgorithm-diff-perl 1.19.03-1

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This script is compatible with the BSD install script, but was written from scratch. It can only install one file at a time, a restriction shared with many OS's install programs.

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1.6702 fill-range 4.0.0

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1.6703 libasounddata 1.1.3-5ubuntu0.5

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1.6704 async-timeout 3.0.1

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1.6705 python 2.7.12 1ubuntu0~16.04.11

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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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Changes by Ben Collins <bcollins@debian.org>, added --chuid, --background
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Files: lib/compat/md5.*
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package io.swagger.models;

public class License {
    private String name;
    private String url;

    public License name(String name) {
        setName(name);
        return this;
    }

    public License url(String url) {
        setUrl(url);
        return this;
    }

    public String getName() {
        return name;
    }

    public void setName(String name) {
        this.name = name;
    }

    public String getUrl() {
        return url;
    }

    public void setUrl(String url) {
        this.url = url;
    }

    @Override
    public int hashCode() {
        final int prime = 31;
        int result = 1;
        result = prime * result + ((name == null) ? 0 : name.hashCode());
        result = prime * result + ((url == null) ? 0 : url.hashCode());
        return result;
    }

    @Override
}
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    License other = (License) obj;
    if (name == null) {
        if (other.name != null) {
            return false;
        }
    } else if (!name.equals(other.name)) {
        return false;
    }
    if (url == null) {
        if (other.url != null) {
            return false;
        }
    } else if (!url.equals(other.url)) {
        return false;
    }
    return true;
}

package io.swagger.models;

import com.fasterxml.jackson.annotation.JsonAnyGetter;
import com.fasterxml.jackson.annotation.JsonAnySetter;
import java.util.HashMap;
import java.util.Map;

public class Info {
    private String description;
    private String version;
    private String title;
    private String termsOfService;
    private Contact contact;
}

Found in path(s):
* /opt/cola/permits/1110914972_1611184211.75/0/swagger-models-1-5-0-sources-jar/io/swagger/models/License.java
No license file was found, but licenses were detected in source scan.
private License license;
private Map<String, Object> vendorExtensions = new HashMap<String, Object>();

public Info version(String version) {
    this.setVersion(version);
    return this;
}

public Info title(String title) {
    this.setTitle(title);
    return this;
}

public Info description(String description) {
    this.setDescription(description);
    return this;
}

public Info termsOfService(String termsOfService) {
    this.setTermsOfService(termsOfService);
    return this;
}

public Info contact(Contact contact) {
    this.setContact(contact);
    return this;
}

public Info license(License license) {
    this.setLicense(license);
    return this;
}

public String getDescription() {
    return description;
}

public void setDescription(String description) {
    this.description = description;
}

public String getVersion() {
    return version;
}

public void setVersion(String version) {
    this.version = version;
}
public String getTitle() {
    return title;
}

public void setTitle(String title) {
    this.title = title;
}

public String getTermsOfService() {
    return termsOfService;
}

public void setTermsOfService(String termsOfService) {
    this.termsOfService = termsOfService;
}

public Contact getContact() {
    return contact;
}

public void setContact(Contact contact) {
    this.contact = contact;
}

public License getLicense() {
    return license;
}

public void setLicense(License license) {
    this.license = license;
}

public Info mergeWith(Info info) {
    if (info != null) {
        if (this.description == null) {
            this.description = info.description;
        }
        if (this.version == null) {
            this.version = info.version;
        }
        if (this.title == null) {
            this.title = info.title;
        }
        if (this.termsOfService == null) {
            this.termsOfService = info.termsOfService;
        }
        if (this.contact == null) {


this.contact = info.contact;
}
if (this.license == null) {
    this.license = info.license;
}
if (this.vendorExtensions == null) {
    this.vendorExtensions = info.vendorExtensions;
}
}
return this;

@JsonAnyGetter
public Map<String, Object> getVendorExtensions() {
    return vendorExtensions;
}

@JsonAnySetter
public void setVendorExtension(String name, Object value) {
    if (name.startsWith("x-")) {
        vendorExtensions.put(name, value);
    }
}

@Override
public int hashCode() {
    final int prime = 31;
    int result = 1;
    result = prime * result + ((contact == null) ? 0 : contact.hashCode());
    result = prime * result + ((description == null) ? 0 : description.hashCode());
    result = prime * result + ((license == null) ? 0 : license.hashCode());
    result = prime * result + ((termsOfService == null) ? 0 : termsOfService.hashCode());
    result = prime * result + ((title == null) ? 0 : title.hashCode());
    result = prime * result + ((vendorExtensions == null) ? 0 : vendorExtensions.hashCode());
    result = prime * result + ((version == null) ? 0 : version.hashCode());
    return result;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (this == obj) {
        return true;
    }
    return false;
}
if (getClass() != obj.getClass()) {
    return false;
}

Info other = (Info) obj;
if (contact == null) {
    if (other.contact != null) {
        return false;
    }
} else if (!contact.equals(other.contact)) {
    return false;
}

if (description == null) {
    if (other.description != null) {
        return false;
    }
} else if (!description.equals(other.description)) {
    return false;
}

if (license == null) {
    if (other.license != null) {
        return false;
    }
} else if (!license.equals(other.license)) {
    return false;
}

if (termsOfService == null) {
    if (other.termsOfService != null) {
        return false;
    }
} else if (!termsOfService.equals(other.termsOfService)) {
    return false;
}

if (title == null) {
    if (other.title != null) {
        return false;
    }
} else if (!title.equals(other.title)) {
    return false;
}

if (vendorExtensions == null) {
    if (other.vendorExtensions != null) {
        return false;
    }
} else if (!vendorExtensions.equals(other.vendorExtensions)) {
    return false;
}

if (version == null) {
if (other.version != null) {
    return false;
} else if (!version.equals(other.version)) {
    return false;
} return true;

Found in path(s):
* /opt/cola/permits/1110914972_1611184211.75/0/swagger-models-1.5.0-sources-jar/io/swagger/models/Info.java

### 1.6711 psych 3.0.2

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### 1.6712 catbox-memory 3.1.2

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* * *

The complete list of contributors can be found at: https://github.com/hapijs/catbox-memory/graphs/contributors

1.6713 python-asn1crypto 0.24.0-1
1.6713.1 Available under license :
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1.6714 create-hash 1.1.3

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/*
 * A JavaScript implementation of the RSA Data Security, Inc. MD5 Message
 * Digest Algorithm, as defined in RFC 1321.
 * Version 2.1 Copyright (C) Paul Johnston 1999 - 2002.
 * Other contributors: Greg Holt, Andrew Kepert, Ydnar, Lostinet
 * Distributed under the BSD License
 * See http://pajhome.org.uk/crypt/md5 for more info.
 */

Found in path(s):
* /opt/cola/permits/1112205000_1607050236.74/0/create-hash-1-1-3-3-tgz/package/md5.js

1.6715 golang-1.10-doc 1.10.4-
2ubuntu1~16.04.2

1.6715.1 Available under license:

Format: http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: golang
Source: https://github.com/golang/go

Files: *
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Files:
src/cmd/compile/internal/gc/gsubr.go
src/cmd/internal/objabi/autotype.go
src/cmd/internal/objabi/head.go
src/cmd/internal/objabi/reloctype.go
src/cmd/internal/objabi/symkind.go
src/cmd/internal/obj/arm64/a.out.go
src/cmd/internal/obj/arm64/asm7.go
src/cmd/internal/obj/arm64/list7.go
src/cmd/internal/obj/arm/a.out.go
src/cmd/internal/obj/arm/asm5.go
src/cmd/internal/obj/arm/list5.go
src/cmd/obj/arm/obj5.go
src/cmd/compile/obj/mips/a.out.go
src/cmd/link/internal/s390x/obj.go
src/cmd/link/internal/sym/segment.go
src/cmd/link/internal/sym/symbols.go
src/cmd/link/internal/sym/symkind.go
src/cmd/link/internal/x86/asm.go
src/cmd/link/internal/x86/obj.go
src/cmd/link/internal/x86/l.go
src/cmd/vendor/golang.org/x/arch/x86/x86asm/testdata/libmach8db.c
src/runtime/memclr_arm.s
src/runtime/memmove_386.s
src/runtime/memmove_amd64.s
src/runtime/memmove_arm.s
src/runtime/memmove_plan9_386.s
src/runtime/memmove_plan9_amd64.s
src/runtime/vlop_386.s
src/runtime/vlop_arm.s
src/runtime/vlrt.go

Origin: Plan 9 from User Space include/, src/lib9/, src/libmach/
  Inferno utils/include/, utils/libmachl, utils/6c/, utils/iart/,
    utils/6l/, utils/6a/, utils/5c/, utils/8c/, utils/iyacc/,
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    utils/5a/, utils/8a/, lib9l, libkernl, libbio/
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src/debug/dwarf/testdata/typedef.elf
Source: src/debug/dwarf/testdata/typedef.c
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Files:
src/debug/macho/testdata/fat-gcc*
src/debug/macho/testdata/clang*
src/debug/macho/testdata/gcc*
Source: src/debug/macho/testdata/hello.c
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Files:
src/debug/elf/testdata/*-exec
src/debug/elf/testdata/*.obj
src/debug/elf/testdata/hello-world-core.gz
Source: src/debug/elf/testdata/hello.c
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Files: src/debug/elf/elf.go
src/cmd/link/internal/ld/elf.go
Origin: FreeBSD src/sys/sys[{32,64}_common].h, src/sys/*/include/elf.h
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src/math/cmplx/exp.go
src/math/cmplx/log.go
src/math/cmplx/pow.go
src/math/cmplx/sin.go
src/math/cmplx/sqrt.go
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src/math/acosh.go
src/math/asinh.go
src/math/atanh.go
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src/math/erf.go
src/math/exp.go
src/math/expm1.go
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src/math/j1.go
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Origin: Translated from idct.c in the MPEG-2 (ISO/IEC 13818-4) technical report video software verifier (mpeg2decode)
version 960109
Copyright: 1996, MPEG Software Simulation Group. All Rights Reserved.
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Files: src/image/png/testdata/pngsuite/*
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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DRuntime: Runtime Library for the D Programming Language

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========

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-- Tom St Denis
KERBEROS and DCE INTEROPERABILITY ROUTINES

WHAT'S NEW

When k5dcecon was examining the ticket caches looking to update one with a newer TGT, it might update the wrong one for the correct user. This problem was reported by PNNL, and is now fixed.

Any Kerberized application can now use a forwarded TGT to establish a DCE context, or can use a previously established DCE context. This is both a functional improvement and a performance improvement.

BACKGROUND

The MIT Kerberos 5 Release 1.x and DCE 1.1 can interoperate in a number of ways. This is possible because:

- DCE used Kerberos 5 internally. Based on the MIT code as of beta 4 or so, with additional changes.

- The DCE security server can act as a K5 KDC, as defined in RFC 1510 and responds on port 88.

- On the clients, DCE and Kerberos use the same format for the ticket cache, and then can share it. The KRB5CCNAME environment variable points at the cache.

- On the clients, DCE and Kerberos use the same format for the srvtab file. DCE refers to is a /krb5/v5srvtab and Kerberos as /etc/krb5.keytab. They can be symlinked.

- MIT has added many options to the krb5.conf configuration file which allows newer features of Release 1.0 to be turned off to match the earlier version of Kerberos upon which DCE is based.

- DCE will accept a externally obtained Kerberos TGT in place of a password when establishing a DCE context.

There are some areas where they differ, including the following:

- Administration of the database and the keytab files is done by the DCE routines, rather the the Kerberos kadmin.

- User password changes must be done using the DCE commands. Kpasswd does not work. (But there are mods to Kerberos to use the v5passwd with DCE.)
DCE goes beyond authentication only, and provides authorization via the PAC, and the dce-ptgt tickets stored in the cache. Thus a Kerberos KDC can not act as a DCE security server.

A DCE cell and Kerberos realm can cross-realm authenticate, but there can be no intermediate realms. (There are other problems in this area as well. But directly connected realms/cells do work.)

You can't link a module with the DCE library and the Kerberos library. They have conflicting routines, static data and structures.

One of the main features of DCE is the Distributed File System DFS. Access to DFS requires authentication and authorization, and when one uses a Kerberized network utility such as telnet, a forwarded Kerberos ticket can be used to establish the DCE context to allow access to DFS.

NEW TO THIS RELEASE

This release introduces sharing of a DCE context, and PAG, and allows any Kerberized application to establish or share the context. This is made possible by using an undocumented feature of DCE which is on at least the Transarc and IBM releases of DCE 1.1.

I am in the process of trying to get this contributed to the general DCE 1.2.2 release as a patch, so it could be included in other vendors products. HP has expressed interest in doing this, as well as the OpenGroup if the modification is contributed. You can help by requesting Transarc and/or IBM to submit this modification to the OpenGroup and ask your vendor to adopt this modification.

The feature is a modification to the setpag() system call which will allow an authorized process to set the PAG to a specific value, and thus allow unrelated processes to share the same PAG.

This then allows the Kerberized daemons such as kshd, to exec a DCE module which established the DCE context. Kshd then sets the KRB5CCNAME environment variable and then issues the setpag() to use this context. This solves the linking problem. This is done via the k5dfspag.c routine.

The k5dfspag.c code is compiled with the lib/krb5/os routines and included in the libkrb5. A daemon calls krb5_dfs_pag after the krb5_kuserok has determined that the Kerberos principal and local userid pair are acceptable. This should be done early so as to give the daemon access to the home directory which may be located on DFS. If the .k5login file is used by krb5_kuserok it will need to be
accessed by the daemon and will need special ACL handling.

The krb5_dfs_pag routine will exec the k5dcecon module to do all the real work. Upon return, if a PAG is obtained, krb5_dfs_pag with set the PAG for the current process to the returned PAG value. It will also set the KRBC5CCNAME environment as well. Under DCE the PAG value is the nnnnnnn part of the name of the cache: FILE:/opt/dcelocal/var/security/creds/dcecred_nnnnnnn.

The k5dcecon routine will attempt to use TGT which may have been forwarded, to convert it to a DCE context. If there is no TGT, an attempt will be made to join an existing PAG for the local userid, and Kerberos principal. If there are existing PAGs, and a forwarded TGT, k5dcecon will check the lifetime of the forwarded TGT, and if it is less than the lifetime of the PAG, it will just join the PAG. If it is greater, it will refresh the PAG using the forwarded TGT. This approach has the advantage of not requiring many new tickets from having to be obtained, and allows one to refresh a DCE context, or use an already established context.

If the system also has AFS, the AFS krb5_afs_pag should be called after the krb5_dfs_pag, since cache pointed at via the KRBC5CCNAME may have changed, such as if a DFS PAG has been joined. The AFS code does not have the capability to join an existing AFS PAG, but can use the same cache which might already had a afsx/<afs.cell.name>@<k5.realm.name> service ticket.

WHAT'S IN THIS RELEASE

The k5prelogin, k5dcelogin, k5afslogin (with ak5log) were designed to be slipped in between telnetd or klogind and login.krb5. They would use a forwarded Kerberos ticket to establish a DCE context. They are the older programs which are included here. They work on all DCE platforms, and don't take advantage of the undocumented setpag feature. (A version of k5dcelogin is being included with DCE 1.2.2)

K5dcecon is the new program which can be used to create, update or join a DCE context. k5dcecon returns KRBC5CCNAME string which contains the PAG.

k5dfspag.c is to be built in the MIT Kerberos 5 release 1.0 patchlevel 1 and added to the libkrb5. It will exec k5dcecon and upon return set the KRBC5CCNAME and PAG. Mods to Kerberized klogind, rshd, telnetd, ftppd are available to use the k5dfspag.

Testpag.c is a test programs to see if the PAG can be set.
The cpwkey.c routine can be used to change a key in the DCE registry, by adding the key directly, or by setting the salt/pepper and password or by providing the key and the pepper. This could be useful when coping keys from a K4 or AFS database to DCE. It can also be used when setting a DCE to K5 cross-cell key. This program is a test program.

For mass inserts, it should be rewritten to read from stdin.

K5dcelogin can also be called directly, much like dce_login.
I use the following commands in effect do the same thing as dce_login and get a forwardable ticket, DCE context and an AFS token:

```
#!/bin/csh
# simulate a dce_login using krb5 kinit and k5dcelogin
#
setenv KRB5CCNAME FILE:/tmp/krb5cc_p$$
/krb5/bin/kinit -f
exec /krb5/sbin/k5dcelogin /krb5/sbin/k5afslogin /bin/csh
#exec /krb5/sbin/k5dcelogin /bin/csh
```

This could be useful in a mixed cell where "AS_REQ" messages are handled by a K5 KDC, but DCE RPCs are handled by the DCE security server.

**TESTING THE SETPAG**

The krb5_dfs_pag routine relies on an undocumented feature which is in the AIX and Transarc Solaris ports of DCE and has been recently added to the SGI version. To test if this feature is present on some other DFS implementation use the testpag routine.

The testpag routine attempts to set a PAG value to one you supply. It uses the afs_syscall with the afs_setpag, and passes the supplied PAG value as the next parameter. On an unmodified system, this will be ignored, and a new will be set. You should also check that if run as a user, you cannot join a PAG owned by another user.

When run as root, any PAG should be usable.

On a machine with DFS running, do a dce_login to get a DCE context and PAG. ECHO the KRB5CCNAME and look at the nnnnnnnn at the end. It should look like an 8 char hex value, which may be 41ffxxxx on some systems.

Su to root and unsetenv KRB5CCNAME. Do a testpag -n nnnnnnnn where nnnnnnnn is the PAG obtained for the above name.

It should look like this example on an AIX 4.1.4 system:

```
pembroke# ./testpag -n 63dc9997
```
You will be running under a new shell with the PAG and KRB5CCNAME set. If the PAG returned is the same as the newpag, then it worked. You can further verify this by doing a DCE klist, cd to DFS and a DCE klist again. The klist should show some tickets for DFS servers.

If the PAG returned is not the same, and repeated attempts show a returned PAG decremented by 1 from the previous returned PAG, then this system does not have the modification. For example:

```
# ./testpag -n 41fffff9
calling k5dcepag newpag=41fffff9
PAG returned = 41fffff8
# ./testpag -n 41fffff9
calling k5dcepag newpag=41fffff9
PAG returned = 41fffff7
```

In this case the syscall is ignoring the newpag parameter.

Running it with -n 0 should get the next PAG value with or without this modification.

If the DFS kernel extensions are not installed, you would get something like this:

```
caliban.ctd.anl.gov% ./testpag -n 012345678
calling k5dcepag newpag=012345678
Setpag failed with a system error
PAG returned = ffffffff
Not a good pag value
```

If you DFS implementation does not have this modification, you could attempt to install it yourself. But this requires source and requires modifications to the kernel extensions. At the end of this note is an untested sample using the DCE 1.2.2 source code. You can also contact your system vendor and ask for this modification.

UNICOS has a similar function setppag(newpag) which can be used to set the PAG of the parent. Contact me if you are interested.

**HOW TO INSTALL**

Examine the k5dcepag.c file to make sure the DFS syscalls are correct for your platform. See the /opt/dcelocal/share/include/dcedfs/syscall.h on Solaris for example.
You should build the testpag routine and make sure it works before adding all the other mods. If it fails you can still use the klogind and telnetd with the k5prelogin and k5dcelogin code.

If you intend to install with a prefix other than /krb5, change: DPAGAIX and K5DCECON in k5dfspag.c; the three references in k5prelogin.c; and the DESTDIR in the Makefile.

Get k5101.cdiff.xxxxxx.tar file and install the mods for ANL_DFS_PAG and ANL_DCE to the MIT Kerberos 5 source. These mods turn on some DCE related changes and the calls to krb5_dfs_pag.

Symlink or copy the k5dfspag.c to the src/lib/krb5/os directory.

Add the -DANL_DFS_PAG and -DANL_DCE flags to the configuration.

Configure and Build the Kerberos v5.

Modify the k5dce Makefile for your system.

Build the k5dcecon and related programs.

Install both the MIT Kerberos v5 and the k5dcecon and dpagaix if AIX.

The makefile can also build k5dcelogin and k5prelogin. The install can install k5dcelogin, k5prelogin and update the links for login.krb5 -> k5prelogin and moving login.krb5 to login.k5. If you will be using the k5dcecon/k5dfspag with the Kerberos mods, you don't need k5prelogin, or the links changed, and may not need k5dcelogin.

Note that Transarc has obfuscated the entries to the lib, and the 1.0.3a is different from the 1.1. You may need to build two versions of the k5dcelogin and/or k5dcecon one for each.

AIX ONLY

The dpagaix routine is needed for AIX because of the way they do the syscalls.

The following fix.aix.libdce.mk is not needed if dce 2.1.0.21 has been installed. This PTF exposed the needed entrypoints.

The fix.aix.libdce.mk is a Makefile for AIX 4.x to add the required external entry points to the libdce.a. These are needed by k5dcecon and k5dcelogin. A bug report was submitted to IBM on this, and it was rejected. But since DCE 1.2.2 will have a k5dcelogin, this should not be needed with 1.2.2
Copy /usr/lib/libdce.a to /usr/lib/libdce.a.orig before starting. Copy the makefile to its own directory. It will create a new libdce.a which you need to copy back to /usr/lib/libdce.a. You will need to reboot the machine. See the /usr/lpp/dce/examples/inst/README.AIX for a similar procedure. IBM was not responsive in a request to have these added.

UNTESTED KERNEL EXTENSION FOR SETPAG

***************
--- 293,298 ----
+    /* allow sharing of a PAG by non child processes DEE- 6/6/97 */
+    if (unused && osi_GetUID(osi_getucred()) == 0) {
+      newpag = unused;
+    } else {
      osi_mutex_enter(&osi_pagLock);
      now = osi_Time();
      soonest = osi_firstPagTime +
      osi_MakePreemptionRight();
      osi_mutex_exit(&osi_pagLock);
      newpag = osi_genpag();
    }
    newpag = osi_genpag();
  }
  osi_pcred_lock(p);
  credp = crcopy(osi_getucred());
  code = osi_SetPagInCred(credp, newpag);

Created 07/08/96
Modified 09/30/96
Modified 11/19/96
Modified 12/19/96
Modified 06/20/97
Modified 07/28/97
Modified 02/18/98

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RFCs in lib/wind:

rfc3454.txt has been stripped of content, only the tables remain.

rfc3490.txt, rfc3491.txt, rfc4013.txt, rfc4518.txt have been removed.

rfc3492.txt contains the following license:

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any way that does not diminish the rights of anyone else to use, modify, and distribute it, provided that redistributed derivative works do not contain misleading author or version information. Derivative works need not be licensed under similar terms. This is a set of patches and files to get a DFS ticket from a k5 ticket. This code comes from Doug Engert, Argonne Nat. Lab (See dce/README.original for more info)

The files in dce are;
testpag: for testing if this is at all possible.
k5dfspag: included in libkrb5
k5dcecon: Creates (or searches for) the actual DFSPAG ticketfile.
dpagaix: An AIX syscall stub.
README.original: Original README file from Doug Engert

Certain applications (rshd/telnetd) have been patched to call the functions in k5dfspag when the situation is right. They are ifdef with DCE. The patches are also originally from Doug but they where against MIT krb5 code and have been merged into heimdal by me. I will try to fix ftpd soon...

There is also an ifdefs for DCE & AIX that can be used to make AIX use DCE for getting group/passwd entries. This is needed if one is running with a bare bones passwd/group file and AUTHSTATE set to DCE. (This will be more or less clear to people doing this...) I have forced this on for now.

k5dfspag.c is in lib/krb5
k5dfspag.c is dependent on DCE only. It is also POSIX systems only. There are defines for the location of k5dcecon and dpagaix that needs a correct configure setting.

k5dcecon needs no special things for the compile except whatever is needed on the target system to compile dce programs. (On aix the dce compile flags are: -D_THREAD_SAFE -D_AIX32_THREADS=1 -D_AIX41 -D_AES_SOURCE or one can use xlc_r4 if it is version 3.6.4 or later)

k5dcecon wants the following libs (on aix 4.3):
-lde (and setenv from somewhere)

dpagaix is only needed on AIX (see k5dfspag.c). dpagaix needs dfspag.exp and is linked with ld -edpagaix -o dpagaix dpagaix.o dfspag.exp

Hope to get this into heimdal soon :-) although I know that you will have to change some things to get it cleanly into configure. Since I don't know the structure of the code (heimdal), nor enough of configure, good enough I
just won't try it myself.

One more thing, to get this to work one has to put fcache_version = x in krb5.conf where x = whatever the DCE implementation understands, (usually 1 or 2).
Thanks for adding that...

"ke Sandgren (ake@hpc2n.umu.se)
HPC2N
Ume" University
Sweden

PS
I have now added patches for configure.in and some Makefile.am's to get this all cleanly (I hope) into heimdal.

1.6723 analysis-common 6.3.1

1.6723.1 Available under license :

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Version 2.1, February 1999

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Comment: This code is not used on Debian/*, since we have a working
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lib/extras/hex.*
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e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

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1.6728 jersey-bean-validation 2.5.1

1.6729 maglev-web-install 1.7.19

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Metadata-Version: 2.0
Name: maglev-web-install
Version: 1.7.19
Summary: Maglev Web Install Service (1.7.19)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: cryptography (==2.9.2)
Requires-Dist: ipcalc (==1.99.0)
Requires-Dist: maglev-appserver (~=1.8.0)
Requires-Dist: paramiko (==2.4.2)
Requires-Dist: psutil (==4.3.0)

Installation
+ Requires : Maglev app server
    nose
- install the maglev_appserver wheel
- for development one can do python setup.py develop. this creates a symlink and therefore we do not need to install the whl for every small change
- to run the test we need to gradle :maglev_web_install:test

Found in path(s):
* /opt/cola/permits/1176045673_1624586000.14/0/maglev-web-install-1-7-19-dist-info-
  zip/inputdir/packages_extracted/targz/1/packages_extracted/3/packages_extracted/3/packages_extracted/59/maglev_web_install-1.7.19.dist-info/METADATA

1.6730 connect-api 0.10.1.0-cp2

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  jar/org/apache/kafka/connect/sink/SinkRecord.java
* /opt/cola/permits/1124924256_1612229719.56/0/connect-api-0-10-1-0-cp2-sources-
  jar/org/apache/kafka/connect/source/SourceRecord.java
* /opt/cola/permits/1124924256_1612229719.56/0/connect-api-0-10-1-0-cp2-sources-
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  jar/org/apache/kafka/connect/data/SchemaProjector.java
* /opt/cola/permits/1124924256_1612229719.56/0/connect-api-0-10-1-0-cp2-sources-
  jar/org/apache/kafka/connect/errors/SchemaProjectorException.java
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  jar/org/apache/kafka/connect/source/SourceTaskContext.java
* /opt/cola/permits/1124924256_1612229719.56/0/connect-api-0-10-1-0-cp2-sources-
  jar/org/apache/kafka/connect/connector/Task.java
* /opt/cola/permits/1124924256_1612229719.56/0/connect-api-0-10-1-0-cp2-sources-
  jar/org/apache/kafka/connect/data/Struct.java
* /opt/cola/permits/1124924256_1612229719.56/0/connect-api-0-10-1-0-cp2-sources-
  jar/org/apache/kafka/connect/errors/AlreadyExistsException.java
1.6731 libdbus 1.10.6 1ubuntu3.6

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test/internals/printf.c
test/internals/refs.c
test/internals/syslog.c
test/loopback.c
test/manual-authz.c
test/marshal.c
test/monitor.c
test/relay.c
test/sd-activation.c
test/syntax.c
test/uid-permissions.c

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tools/dbus-update-activation-environment.c

tools/lcov.am

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1.6733 @webassemblyjs/helper-wasm-section 1.7.10

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1ubuntu0~16.04.13
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In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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1.6739 vim-runtime 2:8.0.1453 1ubuntu1.4

1.6740 regexpu-core 2.0.0
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1.6742 maglev-appserver 1.7.27

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Metadata-Version: 2.0
Name: maglev-appserver
Version: 1.7.27
Summary: Maglev Python AppServer(1.7.27)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: Jinja2 (==2.11.3)
Requires-Dist: MarkupSafe (==1.0)
Requires-Dist: aiohttp (==2.2.5)
Requires-Dist: aiohttp-swagger (==1.0.4)
Requires-Dist: async-timeout (==1.4.0)
Requires-Dist: charset (==3.0.4)
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Requires-Dist: jaeger-client (==3.8.0)
Requires-Dist: jsonschema (==2.5.1)
Requires-Dist: maglev-appctl (~==1.6.0)
Requires-Dist: motor (==1.1)
Requires-Dist: multidict (==4.7.6)
Requires-Dist: obigraph (==3.1.0)
Requires-Dist: opentracing (==1.3.0)
Requires-Dist: opentracing-instrumentation (==2.4.0)
Requires-Dist: pika (==0.10.0)
Requires-Dist: py-zipkin (==0.4.4)
Requires-Dist: pyJwt (==1.4.0)
Requires-Dist: pyformance (==0.3.4)
Requires-Dist: pymongo (==3.10.1)
Requires-Dist: python-json-logger (==0.1.5)
Requires-Dist: requests (==2.20.1)
Requires-Dist: setuptools (==41.2.0)
Requires-Dist: setuptools-scm (==3.4.3)
Requires-Dist: toml (==0.10.0)
Requires-Dist: tornado (==4.5.3)
Requires-Dist: urllib3 (==1.24.3)
Requires-Dist: uvloop (==0.7.0)
Requires-Dist: yarl (==0.18.0)
Requires-Dist: zipp (==1.0.0)

# Installation
+ Requires : Python 3.5 download the dmg and install, use pyenv to create a virtual environment

# How to test and develop in local mac
- Use pyenv to create a virtual env in /opt/maglev
- u can either call the activate script to activate the virtualenv

Found in path(s):
* /opt/cola/permits/1174732552_1624574207.17/0/maglev-appserver-1.7.27.dist-info-
zip/inputdir/packages_extracted/targz/1/packages_extracted/2/packages_extracted/2/packages_extracted/10/maglev_ 
appserver-1.7.27.dist-info/METADATA

1.6743 jetty-server 9.4.17.v20190418

1.6743.1 Available under license :

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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/javamail.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

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

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Mortbay

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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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ARCFOUR
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ARCTWO
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BLOWFISH
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CAMELLIA
The C implementation is by Nippon Telegraph and Telephone Corporation (NTT), heavily modified by Niels Miller. Assembler for x86 and x86_64 by Niels Miller. Released under the LGPL.

CAST128
The implementation of the CAST128 cipher is written by Steve Reid. Released into the public domain.

DES
The implementation of the DES cipher is written by Dana L. How, and released under the LGPL.

MD2
The implementation of MD2 is written by Andrew Kuchling, and hacked some by Andreas Sigfridsson and Niels Miller. Python Cryptography
Toolkit license (essentially public domain).

MD4
This is almost the same code as for MD5 below, with modifications by Marcus Comstedt. Released into the public domain.

MD5
The implementation of the MD5 message digest is written by Colin Plumb. It has been hacked some more by Andrew Kuchling and Niels Mller. Released into the public domain.

SERPENT
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SHA1
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SHA224, SHA256, SHA384, and SHA512
Written by Niels Mller, using Peter Gutmann's SHA1 code as a model. Released under the LGPL.

TWOFISH
The implementation of the TWOFISH cipher is written by Ruud de Rooij. Released under the LGPL.

RSA
Written by Niels Mller, released under the LGPL. Uses the GMP library for bignum operations.

DSA
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Files: blowfish.h
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         1998, 2001 Niels Miller
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Files: camellia-table.c camellia-crypt-internal.c
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Files: testsuite/des-compat-test.c
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* /opt/cola/permits/1127086823_1611765385.57/0/python3-stdlib-extensions-3.7.3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Lib/lib2to3/popen2/literals.py
* /opt/cola/permits/1127086823_1611765385.57/0/python3-stdlib-extensions-3.7.3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Lib/lib2to3/popen2/grammar.py
* /opt/cola/permits/1127086823_1611765385.57/0/python3-stdlib-extensions-3.7.3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Lib/lib2to3/popen2/grammar.py
* /opt/cola/permits/1127086823_1611765385.57/0/python3-stdlib-extensions-3.7.3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Lib/lib2to3/popen2/grammar.py
extensions-3.7.3/3.6/Lib/lib2to3/pgen2/__init__.py
* /opt/cola/permits/1127086823_1611765385.57/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Lib/lib2to3/pgen2/__init__.py
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* /opt/cola/permits/1127086823_1611765385.57/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Lib/lib2to3/pgen2/grammar.py
* /opt/cola/permits/1127086823_1611765385.57/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.6/Lib/lib2to3/pgen2/conv.py

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* /opt/cola/permits/1127086823_1611765385.57/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Lib/lib2to3/fixes/fix_types.py
* /opt/cola/permits/1127086823_1611765385.57/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.6/Lib/lib2to3/fixes/fix_buffer.py
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* /opt/cola/permits/1127086823_1611765385.57/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.6/Lib/lib2to3/fixes/fix_map.py
* /opt/cola/permits/1127086823_1611765385.57/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.6/Lib/lib2to3/fixes/fix_filter.py
* /opt/cola/permits/1127086823_1611765385.57/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.6/Lib/lib2to3/fixes/fix_types.py

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A grammar to describe tree matching patterns.

Not shown here:

- 'TOKEN' stands for any token (leaf node)
- 'any' stands for any node (leaf or interior)
- With 'any' we can still specify the sub-structure.

The start symbol is 'Matcher'.

Matcher: Alternatives ENDMARKER

Alternatives: Alternative (| Alternative)*

Alternative: (Unit | NegatedUnit)+

Unit: [NAME '='] ( STRING [Repeater]
    | NAME [Details] [Repeater]
    | '(' Alternatives ')' [Repeater]
    | '[' Alternatives ']
    )

NegatedUnit: 'not' (STRING | NAME [Details] | '(' Alternatives ')

Repeater: '*' | '+' | '{' NUMBER [',' NUMBER] '}'

Details: '<' Alternatives '>

Found in path(s):
* /opt/cola/permits/1127086823_1611765385.57/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.7/Modules/_tkinter.c
* /opt/cola/permits/1127086823_1611765385.57/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-extensions-3.7.3/3.6/Modules/_tkinter.c

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* /opt/cola/permits/1127086823_1611765385.57/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-
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file.write('License: %s
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* /opt/cola/permits/1127086823_1611765385.57/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-
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* /opt/cola/permits/1127086823_1611765385.57/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-
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* /opt/cola/permits/1127086823_1611765385.57/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-
extensions-3.7.3/3.6/Lib/distutils/command/bdist_msi.py
* /opt/cola/permits/1127086823_1611765385.57/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-
extensions-3.7.3/3.7/Lib/distutils/cygwincompiler.py
* /opt/cola/permits/1127086823_1611765385.57/0/python3-stdlib-extensions-3-7-3-orig-1-tar-xz/python3-stdlib-
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"cannot supply both '-source-only' and '-binary-only'")
'License: ' + self.distribution.get_license(),

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* /opt/cola/permits/1151387523_1617878113.8/0/javassist-3-18-1-ga-sources-8-jar/javassist/bytecode/annotation/LongMemberValue.java
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* /opt/cola/permits/1151387523_1617878113.8/0/javassist-3-18-1-ga-sources-8-jar/javassist/bytocode/annotation/MemberValueVisitor.java
*/
* /opt/cola/permits/1151387523_1617878113.8/0/javassist-3-18-1-ga-sources-8-jar/javassist/compiler/CompilerError.java
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* /opt/coli/permits/1151387523_1617878113.8/0/javassist-3-18-1-ga-sources-8-jar/javassist/tools/reflect/CannotCreateException.java
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Open-vm-tools v10.3.0

The Linux kernel modules are released under the GPL v2, a majority of the user level components are released
under the LGPL v2.1, and the SVGA and mouse drivers are released under the X11 license.

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base64.c -- routines to encode/decode base64 data
OSOpenLDAP: pkg/ldap/libraries/liblutil/base64.c,v 1.15 2006/01/03 22:12:11 kurt Exp $ /
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### PC Screen (console) Fonts - psf1 header

```
0       leshort         0x0436          psf screen font data
>2      byte            0               256 characters, no index
>2      byte            1               512 characters, no index
```

---

"!"#$%&'()*+,-.:;/0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}~

---
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0 byte 256 characters, Unicode index

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lelong0x864ab572psf2 screen font data

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Requires-Dist: PyYAML (==3.12)
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+ Requires : Python 3.5 download the dmg and install, use pyenv to create a virtual environment

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lib/gssapi/mechglue/g_canon_name.c
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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
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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    slave/kpropd_rpc.c
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1.6801 vim-runtime 2:7.4.1689 3ubuntu1.5

1.6802 maglev-app-workflow 1.5.44
1.6802.1 Available under license:
No license file was found, but licenses were detected in source scan.

Metadata-Version: 2.0
Name: maglev-app-workflow
Version: 1.5.44
Summary: Maglev app workflow (1.5.44)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: PyYAML (==3.12)
Requires-Dist: maglev (<1.5.0)
Requires-Dist: maglev-api (<1.5.0)
Requires-Dist: maglev-internal-api (<1.5.0)
Requires-Dist: maglev-utils (<1.5.0)
Requires-Dist: monotonic (==1.1)
Requires-Dist: requests (==2.13.0)

# Installation
+ Requires: Python 3.5 download the dmg and install, use pyenv to create a virtual environment

Found in path(s):
* /opt/cola/permits/1127086374_1612147478.74/0/maglev-app-workflow-1.5.44-dist-info-
  zip/inputdir/packages_extracted/tar/1/packages_extracted/21/packages_extracted/opt/maglev/lib/python3.5/site-
  packages/maglev_app_workflow-1.5.44.dist-info/METADATA

1.6803 extend 3.0.1
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1.6804 libldap-common 2.4.45+dfsg-1ubuntu1.9

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Date: Fri, 6 Jun 2003 10:18:52 -0700
From: Juan Gomez <juang@us.ibm.com>
To: Stephen Frost <sfrost@debian.org>
X-Mailer: Lotus Notes Release 5.0.2a (Intl) 23 November 1999
Subject: Re: Juan C. Gomez license in OpenLDAP Source

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"There is no restriction on modifications and derived works" on the work I did for the openldap server as long as this is consistent with the openldap license. Please forward this email to Kurt so he does the appropriate changes to the files to reflect this.

Regards, Juan

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Date: Thu, 5 Jun 2003 16:53:32 -0400 (EDT)
From: Mark Adamson <adamson@andrew.cmu.edu>
To: Stephen Frost <sfrost@debian.org>
Subject: Re: Mark Adamson license in OpenLDAP source

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* Subject: Re: OpenLDAP Licenseing issues
* From: "Kurt D. Zeilenga" <Kurt@OpenLDAP.org>
* Date: Wed, 28 May 2003 10:55:44 -0700
* Cc: Steve Langasek <vorlon@netexpress.net>, debian-legal@lists.debian.org, openldap-devel@OpenLDAP.org
* In-reply-to: <20030528162613.GB8524@ns.snowman.net>
* Message-id: <5.2.0.9.0.20030528094229.02924780@127.0.0.1>
* Old-return-path: <Kurt@OpenLDAP.org>

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# options.js #

A very light-weight in-code option parsers for node.js.

## Usage ##

``` js
var Options = require("options");

// Create an Options object
function foo(options) {
    var default_options = {
        foo : "bar"
    };

    // Create an option object with default value
    var opts = new Options(default_options);
```
// Merge options
opts = opts.merge(options);

// Reset to default value
opts.reset();

// Copy selected attributes out
var seled_att = opts.copy("foo");

// Read json options from a file.
opts.read("options.file"); // Sync
opts.read("options.file", function(err){ // Async
  if(err){ // If error occurs
    console.log("File error.");
  }else{
    // No error
  }
});

// Attributes defined or not
opts.isDefinedAndNonNull("foobar");
opts.isDefined("foobar");

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

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* DNS resolver (dirmngr/dns.c)

dns.c  - Recursive, Reentrant DNS Resolver.

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1.6812 maglev-internal-api 1.7.30

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Metadata-Version: 2.0
Name: maglev-internal-api
Version: 1.7.30
Summary: Maglev Internal API Library (1.7.30)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: aiohttp (==2.2.5)
Requires-Dist: chardet (==3.0.4)
Requires-Dist: dnspython (==1.16.0)
Requires-Dist: idna (==2.7)
Requires-Dist: monotonic (==1.1)
Requires-Dist: python-etcld (==0.4.5)
Requires-Dist: urllib3 (~=1.24.3)
Requires-Dist: yarl (==0.18.0)

# Installation
+ Requires : Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

Found in path(s):
* /opt/cola/permits/1175860318_1624520441.53/0/maglev-internal-api-1-7-30-dist-info-
zip/inputdir/packages_extracted/targz/1/packages_extracted/1/packages_extracted/1/packages_extracted/48/maglev_
internal_api-1.7.30.dist-info/METADATA

1.6813 python3-jsonpatch 1.19+really1.16

1fakesync1

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Upstream-Name: python-json-patch
Source: git://github.com/stefankoeogl/python-json-patch.git

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1.6814 liblzma 5.2.2 1.3

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EXTRA_DIST += rangecoder/price_tablegen.c

liblzma_la_SOURCES += rangecoder/range_common.h

if COND_ENCODER_LZMA1
    liblzma_la_SOURCES += \n        rangecoder/range_encoder.h \n        rangecoder/price.h \n        rangecoder/price_table.c
endif

if COND_DECODER_LZMA1
    liblzma_la_SOURCES += rangecoder/range_decoder.h
endif

Found in path(s):
* /opt/cola/permits/1130843244_1612823881.19/0/liblzma-5-2-2-zip/liblzma/rangecoder/Makefile.inc
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EXTRA_DIST += lzma/fastpos_tablegen.c

liblzma_la_SOURCES += lzma/lzma_common.h

if COND_ENCODER_LZMA1
liblzma_la_SOURCES += \lzma/fastpos.h \lzma/lzma_encoder.h \lzma/lzma_encoder.c \lzma/lzma_encoder_presets.c \lzma/lzma_encoder_private.h \lzma/lzma_encoder_optimum_fast.c \lzma/lzma_encoder_optimum_normal.c
endif

if !COND_SMALL
liblzma_la_SOURCES += lzma/fastpos_table.c
endif

if COND_DECODER_LZMA1
liblzma_la_SOURCES += \lzma/lzma_decoder.c \lzma/lzma_decoder.h
endif

if COND_ENCODER_LZMA2
liblzma_la_SOURCES += \lzma/lzma2_encoder.c \lzma/lzma2_encoder.h
endif

if COND_DECODER_LZMA2
liblzma_la_SOURCES += \lzma/lzma2_decoder.c \lzma/lzma2_decoder.h
endif
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* /opt/cola/permits/1130843244_1612823881.19/0/liblzma-5-2-2-zip/liblzma/delta/delta_private.h
* /opt/cola/permits/1130843244_1612823881.19/0/liblzma-5-2-2-zip/liblzma/delta/delta_decoder.h
* /opt/cola/permits/1130843244_1612823881.19/0/liblzma-5-2-2-zip/liblzma/check/crc64_table.c
* /opt/cola/permits/1130843244_1612823881.19/0/liblzma-5-2-2-zip/liblzma/delta/delta_decoder.c
* /opt/cola/permits/1130843244_1612823881.19/0/liblzma-5-2-2-zip/liblzma/lzma/lzma_encoder_optimum_normal.c
* /opt/cola/permits/1130843244_1612823881.19/0/liblzma-5-2-2-zip/liblzma/common/block_buffer_decoder.c
* /opt/cola/permits/1130843244_1612823881.19/0/liblzma-5-2-2-zip/liblzma/check/crc32_x86.S
* /opt/cola/permits/1130843244_1612823881.19/0/liblzma-5-2-2-zip/liblzma/check/crc64_x86.S

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* /opt/cola/permits/1130843244_1612823881.19/0/liblzma-5-2-2-zip/liblzma/check/crc32_tablegen.c

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liblzma_la_SOURCES += \
common/common.c \
common/common.h \
common/memcmplen.h \
common/block_util.c \
common/easy_preset.c \

---

**Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 68054**
common/easy_preset.h \
common/filter_common.c \
common/filter_common.h \
common/hardware_physmem.c \
common/index.c \
common/index.h \
common/stream_flags_common.c \
common/stream_flags_common.h \
common/vli_size.c

if COND_MAIN_ENCODER
liblzma_la_SOURCES += \
common/alone_encoder.c \
common/block_buffer_encoder.c \
common/block_buffer_encoder.h \
common/block_encoder.c \
common/block_encoder.h \
common/block_header_encoder.c \
common/easy_buffer_encoder.c \
common/easy_encoder.c \
common/easy_encoder_memusage.c \
common/filter_buffer_encoder.c \
common/filter_encoder.c \
common/filter_encoder.h \
common/filter_flags_encoder.c \
common/index_encoder.c \
common/index_encoder.h \
common/stream_buffer_encoder.c \
common/stream_encoder.c \
common/stream_flags_encoder.c \
common/vli_encoder.c

if COND_THREADS
liblzma_la_SOURCES += \
common/hardware_cputhreads.c \
common/outqueue.c \
common/outqueue.h \
common/stream_encoder_mt.c
endif
endif

if COND_MAIN_DECODER
liblzma_la_SOURCES += \
common/alone_decoder.c \
common/alone_decoder.h \
common/auto_decoder.c \
common/auto_decoder.h \
common/block_buffer_decoder.c \
common/block_decoder.c
common/block_decoder.h
common/block_header_decoder.c
common/easy_decoder_memusage.c
common/filter_buffer_decoder.c
common/filter_decoder.c
common/filter_decoder.h
common/filter_flags_decoder.c
common/index_decoder.c
common/index_hash.c
common/stream_buffer_decoder.c
common/stream_decoder.c
common/stream_decoder.h
common/stream_flags_decoder.c
common/vli_decoder.c
endif

Found in path(s):
* /opt/cola/permits/1130843244_1612823881.19/0/liblzma-5-2-2-zip/liblzma/common/Makefile.inc
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if COND_ENCODER_LZ
liblzma_la_SOURCES += \
lz/lz_encoder.c \nlz/lz_encoder.h \nlz/lz_encoder_hash.h \nlz/lz_encoder_hash_table.h \nlz/lz_encoder_mf.c
endif

if COND_DECODER_LZ
liblzma_la_SOURCES += \
lz/lz_decoder.c \nlz/lz_decoder.h
endif

Found in path(s):
* /opt/cola/permits/1130843244_1612823881.19/0/liblzma-5-2-2-zip/liblzma/lz/Makefile.inc
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#

prefix=@prefix@
exec_prefix=@exec_prefix@
libdir=@libdir@
includedir=@includedir@

Name: liblzma
Description: General purpose data compression library
URL: @PACKAGE_URL@
Version: @PACKAGE_VERSION@
Cflags: -I${includedir}
Libs: -L${libdir} -llzma
Libs.private: @PTHREAD_CFLAGS@ @LIBS@

Found in path(s):
* /opt/cola/permits/1130843244_1612823881.19/0/liblzma-5-2-2-zip/liblzma/liblzma.pc.in

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liblzma_la_SOURCES += \  
delta/delta_common.c \  
delta/delta_common.h \  
delta/delta_private.h

if COND_ENCODER_DELTA
liblzma_la_SOURCES += \  
delta/delta_encoder.c \  
delta/delta_encoder.h
endif

if COND_DECODER_DELTA

liblzma_la_SOURCES += \
    delta/delta_decoder.c \
    delta/delta_decoder.h 
endif

Found in path(s):
* /opt/cola/permits/1130843244_1612823881.19/0/liblzma-5-2-2-zip/liblzma/delta/Makefile.inc
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 *
 * See ../lzma.h for information about liblzma as a whole.
 */

Found in path(s):
* /opt/cola/permits/1130843244_1612823881.19/0/liblzma-5-2-2-zip/liblzma/api/lzma/index.h
* /opt/cola/permits/1130843244_1612823881.19/0/liblzma-5-2-2-zip/liblzma/api/lzma/vli.h
* /opt/cola/permits/1130843244_1612823881.19/0/liblzma-5-2-2-zip/liblzma/api/lzma/index_hash.h
* /opt/cola/permits/1130843244_1612823881.19/0/liblzma-5-2-2-zip/liblzma/api/lzma/filter.h
* /opt/cola/permits/1130843244_1612823881.19/0/liblzma-5-2-2-zip/liblzma/api/lzma/check.h
* /opt/cola/permits/1130843244_1612823881.19/0/liblzma-5-2-2-zip/liblzma/api/lzma/hardware.h
* /opt/cola/permits/1130843244_1612823881.19/0/liblzma-5-2-2-zip/liblzma/api/lzma/container.h
* /opt/cola/permits/1130843244_1612823881.19/0/liblzma-5-2-2-zip/liblzma/api/lzma/version.h
* /opt/cola/permits/1130843244_1612823881.19/0/liblzma-5-2-2-zip/liblzma/api/lzma/stream_flags.h
* /opt/cola/permits/1130843244_1612823881.19/0/liblzma-5-2-2-zip/liblzma/api/lzma/base.h
* /opt/cola/permits/1130843244_1612823881.19/0/liblzma-5-2-2-zip/liblzma/api/lzma/lzma12.h
* /opt/cola/permits/1130843244_1612823881.19/0/liblzma-5-2-2-zip/liblzma/api/lzma/block.h
* /opt/cola/permits/1130843244_1612823881.19/0/liblzma-5-2-2-zip/liblzma/api/lzma/bcj.h
* /opt/cola/permits/1130843244_1612823881.19/0/liblzma-5-2-2-zip/liblzma/api/lzma/delta.h
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##

liblzma_la_SOURCES += \
    simple/simple_coder.c \
    simple/simple_coder.h \
    simple/simple_private.h

if COND_ENCODER_SIMPLE
liblzma_la_SOURCES += \
  simple/simple_encoder.c \
  simple/simple_encoder.h
endif

if COND_DECODER_SIMPLE
liblzma_la_SOURCES += \
  simple/simple_decoder.c \
  simple/simple_decoder.h
endif

if COND_FILTER_X86
liblzma_la_SOURCES += simple/x86.c
endif

if COND_FILTER_POWERPC
liblzma_la_SOURCES += simple/powerpc.c
endif

if COND_FILTER_IA64
liblzma_la_SOURCES += simple/ia64.c
endif

if COND_FILTER_ARM
liblzma_la_SOURCES += simple/arm.c
endif

if COND_FILTER_ARMTHUMB
liblzma_la_SOURCES += simple/armthumb.c
endif

if COND_FILTER_SPARC
liblzma_la_SOURCES += simple/sparc.c
endif

Found in path(s):
  * /opt/cola/permits/1130843244_1612823881.19/0/liblzma-5-2-2-zip/liblzma/simple/Makefile.inc
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##
## EXTRA_DIST += \
check/crc32_tablegen.c \

check/crc64_tablegen.c

liblzma_la_SOURCES += \ 
check/check.c \ 
check/check.h \ 
check/crc_macros.h

if COND_CHECK_CRC32
if COND_SMALL
liblzma_la_SOURCES += check/crc32_small.c
else
liblzma_la_SOURCES += \ 
check/crc32_table.c \ 
check/crc32_table_le.h \ 
check/crc32_table_be.h
if COND_ASM_X86
liblzma_la_SOURCES += check/crc32_x86.S
else
liblzma_la_SOURCES += check/crc32_fast.c
endif
endif
endif
endif

if COND_CHECK_CRC64
if COND_SMALL
liblzma_la_SOURCES += check/crc64_small.c
else
liblzma_la_SOURCES += \ 
check/crc64_table.c \ 
check/crc64_table_le.h \ 
check/crc64_table_be.h
if COND_ASM_X86
liblzma_la_SOURCES += check/crc64_x86.S
else
liblzma_la_SOURCES += check/crc64_fast.c
endif
endif
endif
endif
endif

if COND_CHECK_SHA256
if COND_INTERNAL_SHA256
liblzma_la_SOURCES += check/sha256.c
endif
endif

Found in path(s):
* /opt/cola/permits/1130843244_1612823881.19/0/liblzma-5-2-2-zip/liblzma/check/Makefile.inc
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/**
 * \file    api/lzma.h
 * \brief   The public API of liblzma data compression library
 *
 * liblzma is a public domain general-purpose data compression library with
 * a zlib-like API. The native file format is .xz, but also the old .lzma
 * format and raw (no headers) streams are supported. Multiple compression
 * algorithms (filters) are supported. Currently LZMA2 is the primary filter.
 *
 * liblzma is part of XZ Utils <http://tukaani.org/xz/>. XZ Utils includes
 * a gzip-like command line tool named xz and some other tools. XZ Utils
 * is developed and maintained by Lasse Collin.
 *
 * Major parts of liblzma are based on Igor Pavlov's public domain LZMA SDK
 * <http://7-zip.org/sdk.html>.
 *
 * The SHA-256 implementation is based on the public domain code found from
 * 7-Zip <http://7-zip.org/>, which has a modified version of the public
 * domain SHA-256 code found from Crypto++ <http://www.cryptopp.com/>.
 * The SHA-256 code in Crypto++ was written by Kevin Springle and Wei Dai.
 */

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Found in path(s):
* /opt/cola/permits/1130843244_1612823881.19/0/liblzma-5-2-2-zip/liblzma/api/lzma.h

1.6815 libsqlite 3.8.7.1-1+deb8u2
1.6815.1 Available under license:

Format: http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: sqlite3
Source: http://www.sqlite.org/cgi/src/dir?ci=trunk

Files: *
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Files: debian/*
Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 68062

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1.6818 libfakeroot 1.22-2ubuntu1

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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

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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

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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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[https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html](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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1.6820 maglev-common 1.7.23

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Requires-Dist: dnspython (==1.16.0)
Requires-Dist: ipcalc (==1.99.0)
Requires-Dist: kubernetes (==10.0.0)
Requires-Dist: maglev-api (~=1.7.0)
Requires-Dist: maglev-appserver (~=1.8.0)
Requires-Dist: monotonic (==1.1)
Requires-Dist: pykube (==0.15.0)
Requires-Dist: python-etcd (==0.4.5)
Requires-Dist: requests (==2.20.1)
Requires-Dist: rsa (==4.5)

# Installation
+ Requires : Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

Found in path(s):
+ /opt/cola/permits/1175846230_1624514204.29/0/maglev-common-1-7-23-dist-info-
  zip/inputdir/packages_extracted/targz/1/packages_extracted/1/packages_extracted/1/packages_extracted/61/maglev_-
  common-1.7.23.dist-info/METADATA
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1.6826 tk 8.6.9+1

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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iconv (Charset Conversion Library) v2.0

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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1.6829 slf4j-jcl-over-slf4j 1.7.12

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1.6830 fs 0.0.2

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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DRuntime: Runtime Library for the D Programming Language

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Version 3.1, 31 March 2009

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1.6835 not-yet-commons-ssl 0.3.9

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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto
AES in libhcrypto

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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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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,
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(GEnie : OUTER; CIS : [71755,204]) Graven Imagery, 1992.

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Windows support

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lib/hcrypto/test_dh.c

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[**Download JSON**](https://raw.githubusercontent.com/shinnn/spdx-license-ids/master/spdx-license-ids.json)

## Use as a JavaScript Library


[![devDependency Status](https://david-dm.org/shinnn/spdx-license-ids/dev-status.svg)](https://david-dm.org/shinnn/spdx-license-ids#info=devDependencies)

### Installation

#### Package managers

[![npm](https://www.npmjs.com/)](https://www.npmjs.com/)

```sh
npm install spdx-license-ids
```

[![bower](http://bower.io/)](https://github.com/shinnn/spdx-license-ids/releases)

```sh
bower install spdx-license-ids
```
### [Duo](http://duojs.org/)

```javascript
const spdxLicenseIds = require('shinnn/spdx-license-ids');
```

#### Standalone

[Download the script file directly.](https://raw.githubusercontent.com/shinnn/spdx-license-ids/master/spdx-license-ids-browser.js)

#### API

##### `spdxLicenseIds`

**Type:** `Array` of `String`

It returns an array of SPDX license identifiers.

```javascript
const spdxLicenseIds = require('spdx-license-ids'); //=> ['Glide', 'Abstyles', 'AFL-1.1', ... ]
```

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```markdown
[*]
charset = utf-8
end_of_line = lf
indent_style = space
indent_size = 2
insert_final_newline = true
trim_trailing_whitespace = true

[*.md]
trim_trailing_whitespace = false
sudo: false
git:
  depth: 1
language: node_js
node_js: stable
after_script:
  - npm install istanbul-coveralls
  - npm run-script coverage
  - node node_modules/.bin/istanbul-coveralls
```

---

Open Source Used In DNAC Frost Platform Maglev 1.7.0 1.7.283 68502
notifications:
email: false

1.6856 libaudit 1:2.4.5 1ubuntu2.1
1.6856.1 Available under license:

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1.6861 jackson-databind 2.9.8

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1.6863 buffer-shims 1.0.0

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GNU `diff' was written by Mike Haertel, David Hayes, Richard Stallman, Len Tower, and Paul Eggert. Wayne Davison designed and implemented the unified output format. GNU `diff3' was written by Randy Smith. GNU `sdiff' was written by Thomas Lord. GNU `cmp' was written by Torbjorn Granlund and David MacKenzie.

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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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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
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     Sections above,

  b) Give prominent notice with the combined library of the fact
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     where to find the accompanying uncombined form of the same work.

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Appendix: How to Apply These Terms to Your New Libraries

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To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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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,
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themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
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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
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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 derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.
If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at
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d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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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Version 2.1, February 1999

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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.

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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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If distribution of object code is made by offering access to copy
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compelled to copy the source along with the object code.

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library". The executable is therefore covered by this License.
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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
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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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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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
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executable containing the modified Library. (It is understood
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to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
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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
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@enumerate 0
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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

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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.

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That's all there is to it!
DRuntime: Runtime Library for the D Programming Language
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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 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="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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```
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```
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```

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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com)
 * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
 *
 * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
 * http://www.hypermall.com/
 * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
 * interrupts us (except possibly for removal/insertion of the cable?)
 * 10/4/97 - began heavy inline documentation of the code. Corrected typos
 * and spelling mistakes.
 * 10/5/97 - added code to handle PHY interrupts, disable PHY on
 * loss of link, and correctly re-enable PHY when link is
 * re-established. (put back CFG_PHYIE)
 *
 * Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
 *
 * R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
 *
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
*  
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
*     combined, allow nicstar_free_rx_skb to be called to
*     recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
*  
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*  
* M. Welsh, 6 July 1996
*  
*/

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1.6903 cassandra-driver-core 3.1.3

1.6904 jetty-servlets 9.2.12.v20150709

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1.6920 libelf 0.176-1.1

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1.6921 async 2.6.1

1.6922 @babel/plugin-transform-block-scoping 7.3.4

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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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<td>2001-now</td>
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Upstream source http://invisible-island.net/ncurses/ncurses-examples.html

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

-------------------------------------------------------------------------------
Files: *
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-- $Id: COPYING,v 1.4 2016/01/02 20:24:37 tom Exp $

1.6926 spring-js 2.3.0.RELEASE
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  jar/org/springframework/js/ajax/SpringJavascriptAjaxHandler.java
* /opt/ws_local/PERMITS_SQL/1069085795_1594481694.14/0/spring-js-2-3-0-release-sources-1-
  jar/org/springframework/js/ajax/AjaxUrlBasedViewResolver.java
* /opt/ws_local/PERMITS_SQL/1069085795_1594481694.14/0/spring-js-2-3-0-release-sources-1-
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* /opt/ws_local/PERMITS_SQL/1069085795_1594481694.14/0/spring-js-2-3-0-release-sources-1-
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* /opt/ws_local/PERMITS_SQL/1069085795_1594481694.14/0/spring-js-2-3-0-release-sources-1-
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1.6927 kind-of 4.0.0
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1.6929 jetty-client 9.3.27.v20190418

1.6930 zookeeper-sidecar 1.7.31

1.6930.1 Available under license :

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Metadata-Version: 2.0
Name: zookeeper-sidecar
Version: 1.7.31
# Sidecar for managed service
+ Requires : Python 3.5 download the dmg and install, use pyvenv to create a virtual environment

1.6931 libopts25 1:5.18.12 4
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ASN.1 library for Python

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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.org/project/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 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 or 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 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
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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.

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/changelog

License
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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`_ by Olivier Dubuisson
* `ASN.1 Complete`_ by Prof John Larmouth

Here you can get the official standards which is hard to read:

* `ITU standards`_

On the other end of the readability spectrum, here is a quick and sweet write up:

* `A Layman's Guide to a Subset of ASN.1, BER, and DER`_

If you are working with ASN.1, we'd highly recommend reading a proper book on the subject.

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* `/opt/ws_local/PERMITS_SQL/1063015436_1592948938.14/0/pyasn1-0.4.5-1.tar.gz/pyasn1-0.4.5/docs/source/contents.rst`

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ASN.1 library for Python
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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 3.7
* 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) by Olivier Dubuisson is one of those high quality books freely available on the Internet.

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(
```
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`):

```python
>>> record = Record()
>>> record['id'] = 123
>>> record['room'] = 321
>>> str(record)
Record:
id=123
room=321
```

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())
```
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
>>> from pyasn1.codec.native.encoder import encode
>>> encode(record)
{'id': 123, 'room': 321, 'house': 0}
```

Or vice-versa -- you can initialize an ASN.1 structure from a tree of Python objects:

```python
>>> from pyasn1.codec.native.decoder import decode
>>> record = decode({'id': 123, 'room': 321, 'house': 0}, asn1Spec=Record())
>>> str(record)
Record:
id=123
room=321
```

With ASN.1 design, serialisation codecs are decoupled from data objects, so you could turn every single ASN.1 object into many different serialised forms. As of this moment, pyasn1 supports BER, DER, CER and Python built-ins codecs. The extremely compact PER encoding is expected to be introduced in the upcoming pyasn1 release.

More information on pyasn1 APIs can be found in the [documentation](http://snmplabs.com/pyasn1/), compiled ASN.1 modules for different protocols and file formats.
could be found in the pyasn1-modules [repo](https://github.com/etingof/pyasn1-modules).

How to get pyasn1

-----------------

The pyasn1 package is distributed under terms and conditions of 2-clause BSD [license](http://snmplabs.com/pyasn1/license.html). Source code is freely available as a GitHub [repo](https://github.com/etingof/pyasn1).

You could `pip install pyasn1` or download it from [PyPI](https://pypi.org/project/pyasn1).

If something does not work as expected, [open an issue](https://github.com/etingof/pyasn1/issues) at GitHub or post your question [on Stack Overflow](https://stackoverflow.com/questions/ask) or try browsing pyasn1 [mailing list archives](https://sourceforge.net/p/pyasn1/mailman/pyasn1-users/).

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It was downloaded from <http://ftp.gnome.org/pub/GNOME/sources/glib/>.

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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/u.c: The format_paragraph and format_text functions were derived form the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5c0f2bb5b6.

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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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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@example
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@example
@example
@var{program} Copyright (C) @var{year} @var{name of author}
This program comes with ABSOLUTELY NO WARRANTY; for details type @samp{show w}.
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@end example

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@c man end

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<signature of Ty Coon>, 1 April 1989
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