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1.797 swagger-jaxrs 1.5.13
1.798 swagger-annotations 2.0.10
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1.799 spring-security-taglibs 3.2.4.RELEASE
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1.800 supervisor 3.2.0-2ubuntu0.2
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1.801 python-pkg-resources 20.7.0-1
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1.1 taskenginepysdk 7.38.360.360076
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   Version: 7.38.360.360076
   Summary: task engine pysdk 7.38.360.360076
   Home-page: UNKNOWN
   Author: UNKNOWN
   Author-email: UNKNOWN
   License: UNKNOWN
   Platform: UNKNOWN
   Requires-Dist: errorlog-api (==7.38.360.*)
   Requires-Dist: nose

   # Task Engine SDK Python library project for the python workflow task execution infrastructure.

   # Development Setup

   [Reference](http://maglev.cisco.com/getstarted/setup/dev-setup-maglev/)

   ## 1\. Setting up Dev Environment for Maglev

   [Dev Environment Setup](http://maglev.cisco.com/getstarted/setup/dev-setup-maglev/)

   ## 2\. Running the application locally

---
## Deploy the service to maglev cluster

[Deploy Service to Cluster](http://maglev.cisco.com/getstarted/quickstart/deploy-to-cluster/)

### Install Python

Install Python 3.5.2 from [here](https://www.python.org/downloads/release/python-352/)

### Install pip

```
curl https://bootstrap.pypa.io/get-pip.py -o get-pip.py
python3 get-pip.py
```

### Install Packages

```
pip install wheel
```

### Install Maglev Packages

```


```

### Install Gradle

Install Gradle from [here](https://gradle.org/install/)

### Install Maven

Install Maven from [here](https://maven.apache.org/download.cgi)

# Build

### Build locally using Gradle
...
gradle clean build archive
...

## Build locally using Maven

```
mvn clean install -s ~/.m2/apic-dev-settings.xml -P repackage-wheel
```  

## Building and uploading to artifactory

```
In your user directory create a file called: ‘~/.pypirc’ and include the following:

[distutils]
index-servers=apic-em-python

[apic-em-python]
repository=https://engci-maven-master.cisco.com/artifactory/api/pypi/apic-em-python
username=sdnbld
password=sdnbld
mvn clean install -s ~/.m2/apic-dev-settings.xml -P release
```  

## Steps required to use this library in any python service

### 1. Add the taskenginepysdk library dependency in setup.py as shown below -

```
install_requires = [
"Flask==0.12.2",
"flask-restplus==0.10.1",
"gevent==1.2.2",
"requests==2.13.0",
"taskenginepysdk"
]
```  

### 2. Define the below task engine configurations either in config.ini file or from constants -

```
messaging_config = {
"number_of_consumers": 3,
"producer_queue_wait_timeout": 5,
"consumer_wait_timeout": 10}
```  

### 3. Define the environment variable SERVICE_NAME with the fullname of the service in ServiceBundle.yaml-
```
environment:
DEBUG: 1
SERVICE_NAME: <service_name>
```
### 4\. Import the task engine TaskEngineServiceStartExecutor in the service.py init and call the initialize as below
```
from taskenginepysdk.task_engine_init import TaskEngineServiceStartExecutor
task_service_start_executor = TaskEngineServiceStartExecutor()
task_service_start_executor.initialize(messaging_config)
```
### 5\. Create a python package task and define all the workflow python tasks under it ```
from taskenginepysdk.task.workflow_task import WorkflowTask
class TestWorkflowTask1(WorkflowTask):
def get_type(self):
return "testworkflowTask1"
def execute(self, task_info, task_input_params, target_device):
<execute business logic>
return <resultparams>
def rollback(self, task_info, task_input_params, target_device):
<rollback business logic>
return <resultparams>
```
### 6\. In **init** .py import all the workflowTask classes ```
from <service_name>.task.test_workflowtask1 import TestWorkflowTask1
from <service_name>.task.test_workflowtask2 import TestWorkflowTask2
```
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1.2 spring-rabbit 1.2.0.RELEASE

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* /opt/ws_local/PERMITS_SQL/1068920014_1594470329.8/0/spring-rabbit-1-2-0-release-sources-2-
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* /opt/ws_local/PERMITS_SQL/1068920014_1594470329.8/0/spring-rabbit-1-2-0-release-sources-2- jar/org/springframework/amqp/rabbit/support/MessagePropertiesConverter.java

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jar/org/springframework/amqp/rabbit/config/QueueParser.java
* /opt/ws_local/PERMITS_SQL/10689200014_1594470329.8/0/spring-rabbit-1-2-0-release-sources-2-
jar/org/springframework/amqp/rabbit/connection/ConnectionFactoryUtils.java
* /opt/ws_local/PERMITS_SQL/10689200014_1594470329.8/0/spring-rabbit-1-2-0-release-sources-2-
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34567890123456789
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114 101 97 Index 8
208 127 100 Index 9
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221 207 199 Index 11

GIMP Palette
Name: Test
Columns: 0
#
GIMP Palette
Name: custompalette
Columns: 4
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  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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* org.eclipse.jetty.orbit.org.eclipse.jdt.core

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* org.eclipse.jetty.orbit.jarva.security.auth.message

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* org.eclipse.jetty.orbit.jarva.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.jarva.servlet-api
* javax.annotation.jarva.annotation-api
* javax.transaction.jarva.transaction-api
* javax.websocket.jarva.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
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

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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support/man2html.c

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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

-----

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

-----

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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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1.11 psycopg 2.7.3.2

1.11.1 Available under license:

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1.12 json4s-ext 3.2.5

1.13 disasterrecoverymodel 7.38.360.360076
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   Metadata-Version: 2.1
   Name: disasterrecoverymodel
   Version: 7.38.360.360076
   Summary: Disaster Recovery Model 7.38.360.360076
   Home-page: UNKNOWN
   Author: UNKNOWN
   Author-email: UNKNOWN
   License: UNKNOWN
   Platform: UNKNOWN
   Requires-Dist: attrs (==19.1.0)

   UNKNOWN

   Found in path(s):
   * /opt/cola/permits/1122856320_1610576710.55/0/disasterrecoverymodel-7-38-360-360076-dist-info-
     zip/inputdir/disasterrecoverymodel-7.38.360.360076-py3-none-any.whl_extracted/disasterrecoverymodel-
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1.16 shiro-config-ogdl 1.6.0
1.16.1 Available under license:

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The implementation for org.apache.shiro.util.SoftHashMap is based
on initial ideas from Dr. Heinz Kabutz's publicly posted version
available at http://www.javaspecialists.eu/archive/Issue015.html,
with continued modifications.

Certain parts (StringUtils, IpAddressMatcher, etc.) of the source
code for this product was copied for simplicity and to reduce
dependencies from the source code developed by the Spring Framework
Project (http://www.springframework.org).

1.17 cryptography 2.9.2
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1.18 libhcryptoheimdal 1.7~git20150920+dfsg 4ubuntu1.16.04.1

1.18.1 Available under license:

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.

-- 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
LibTomMath is hereby released into the Public Domain.

-- 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.

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)
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()/strchr().

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-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 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", 
"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 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:

> *** tty_pty.c.ORG Tue Sep 11 09:41:53 1990
> --- tty_pty.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 embedded 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 XDISPLAY 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 "-I 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):

- **TIOCEXT** turn on/off the TS_EXTPROC bit
- **TIOCSTATE** 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 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.

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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Please see info documentation for the complete list of licenses.
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.
dpgaix: 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):
-ldec (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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@end verbatim
@copynext

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The parts of the libtelnet that handle Kerberos.

@verbatim

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GSS-API mechglue layer.

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Fortuna in libhcrypto

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AES in libhcrypto

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

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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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@heading Novell, Inc

lib/hcrypto/test_dh.c

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Release Notes:

popper-1.831beta is no longer beta 30 July 91
Removed popper-1.7.tar.Z

popper-1.831beta.tar.Z 03 April 91
Changed mkstemp to mktemp for Ultrix. Sigh.

popper-1.83beta.tar.Z 02 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.
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):

<table>
<thead>
<tr>
<th>Service</th>
<th>Port</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>krb_prop</td>
<td>754/tcp</td>
<td>Kerberos slave propagation</td>
</tr>
<tr>
<td>iprop</td>
<td>2121/tcp</td>
<td>Incremental propagation</td>
</tr>
</tbody>
</table>

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

[k]aida/dewey.chocbit.org.au's Password:

kadmin> add -r 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
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1.19 libtinfo 6.0+20160213 1ubuntu1
1.19.1 Available under license :
Upstream source http://invisible-island.net/ncurses/ncurses-examples.html

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This package was put together by Vaidhyanathan G Mayilrangam
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Current versions of the ncurses sources are found at
ftp://invisible-island.net/ncurses/.

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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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-- vile:txtmode fc=72
1.20 maglev-api 1.6.25

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Metadata-Version: 2.0
Name: maglev-api
Version: 1.6.25
Summary: Maglev API (1.6.25)
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/1125185827_1611257681.14/0/maglev-api-1-6-25-dist-info-configure/licensemanager-2_extracted/maglev_api-1.6.25+1.6.301-763f1091-py2.py3-none-any.whl_extracted/maglev_api-1.6.25.dist-info/METADATA

1.21 profiler 1.0.2

1.22 opentracing-spring-web 0.3.2

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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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From d8278f51ecb3c736d697fa367fa99457210a7d8 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/d8278f51ecb3c736d697fa367fa99457210a7d8
Bug-Ubuntu: https://launchpad.net/bugs/1830802
---
profiles/apparmor.d/usr.sbin.dnsmasq | 2 ++
1 file changed, 2 insertions(+)
diff --git a/profiles/apparmor.d/usr.sbin.dnsmasq b/profiles/apparmor.d/usr.sbin.dnsmasq
index a83fa94fb200..a53bf4e4cd97 100644
--- a/profiles/apparmor.d/usr.sbin.dnsmasq
+++ b/profiles/apparmor.d/usr.sbin.dnsmasq
@@ -92,6 +92,8 @@
diff --git a/profiles/apparmor.d/usr.sbin.dnsmasq b/profiles/apparmor.d/usr.sbin.dnsmasq
index a83fa94fb200..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,
   owner @PROC/@[pid]/status r,

--

2.7.4
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Requires-Dist: maglev-appserver (==1.7.0)
Requires-Dist: maglev-internal-api (==1.6.0)
Requires-Dist: requests
Requires-Dist: sapy (==1.2.2)

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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* /opt/cola/permits/1125177885_1611254845.59/0/licenseservice-1.7.13-dist-info-
  zip/licenseservice_extracted/licenseservice-1.7.13-py3-none-any.whl_extracted/licenseservice-1.7.13.dist-
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1.38 tiger-types 1.4
1.39 librokenheimdal 1.7~git20150920+dfsg
4ubuntu1.16.04.1

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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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DES core in libhcrypto

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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1.41 python-setuptools 41.2.0
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1.42 sapy 1.2.2

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Metadata-Version: 2.1
Name: sapy
Version: 1.2.2
Summary: Python Smart Agent
Home-page: UNKNOWN
Author: Bibek Chitrakar
Author-email: bchitrak@cisco.com
License: UNKNOWN
Platform: UNKNOWN
Requires-Python: >=3.5.2,<4.0
Requires-Dist: cryptography (<3.0,>=2.6)
Requires-Dist: requests (<3.0,>=2.13.0)
Requires-Dist: jsonschema (<4.0,>=3.0)
Requires-Dist: jsonref (<1.0,>=0.2.0)
Requires-Dist: pendulum (<3.0,>=2.0.4)
Requires-Dist: lxml (<5.0,>=4.3.4)
Requires-Dist: packaging (==19.1)
Provides-Extra: all

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Open Source Used In DNAC System Engineering fury 483

Found in path(s):
* /opt/cola/permits/1125178145_1611254551.19/0/sapy-1-2-2-py3-none-any-zip/sapy-1.2.2.dist-info/METADATA

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:class:`TransportFatalError`: a special exception type recognized by the agent.
:class:`TransportRetryLater`: a special exception type recognized by the agent.

Found in path(s):
* /opt/cola/permits/1125178145_1611254551.19/0/sapy-1-2-2-py3-none-any-zip/sapy/plugins/transport/base.py

1.43 jtype 0.1.1

1.44 lsb-base 9.20160110ubuntu0.2

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Format: http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: LSB implementation package

Files: *
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Files: init-functions.d/50-ubuntu-logging
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1.45 jersey-common 2.29

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* https://github.com/eclipse-ee4j/jersey

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### 1.46 metrics-jvm 3.1.0

### 1.47 libpamg 1.1.8 3.2ubuntu2.1

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1.48 asm 5.0.4

1.49 google-http-client-xml 1.20.0

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 */
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* /opt/cola/permits/1116601670_1608023134.15/0/google-http-client-xml-1-20-0-sources-2-jar/com/google/api/client/http/xml/AbstractXmlHttpContent.java
* /opt/cola/permits/1116601670_1608023134.15/0/google-http-client-xml-1-20-0-sources-2-jar/com/google/api/client/http/xml/atom/AtomFeedParser.java
* /opt/cola/permits/1116601670_1608023134.15/0/google-http-client-xml-1-20-0-sources-2-jar/com/google/api/client/http/xml/package-info.java
* /opt/cola/permits/1116601670_1608023134.15/0/google-http-client-xml-1-20-0-sources-2-jar/com/google/api/client/http/xml/Xml.java
* /opt/cola/permits/1116601670_1608023134.15/0/google-http-client-xml-1-20-0-sources-2-jar/com/google/api/client/http/xml/XmlHttpContent.java
* /opt/cola/permits/1116601670_1608023134.15/0/google-http-client-xml-1-20-0-sources-2-jar/com/google/api/client/http/xml/package-info.java
* /opt/cola/permits/1116601670_1608023134.15/0/google-http-client-xml-1-20-0-sources-2-jar/com/google/api/client/http/xml/XmlObjectParser.java
* /opt/cola/permits/1116601670_1608023134.15/0/google-http-client-xml-1-20-0-sources-2-jar/com/google/api/client/http/xml/XmlNamespaceDictionary.java
* /opt/cola/permits/1116601670_1608023134.15/0/google-http-client-xml-1-20-0-sources-2-jar/com/google/api/client/http/xml/package-info.java

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* /opt/cola/permits/1116601670_1608023134.15/0/google-http-client-xml-1-20-0-sources-2-jar/com/google/api/client/http/xml/package-info.java
* /opt/cola/permits/1116601670_1608023134.15/0/google-http-client-xml-1-20-0-sources-2-jar/com/google/api/client/http/xml/package-info.java
1.50 libiscexport 1:9.10.3.dfsg-P4-8ubuntu1.17

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1.51 mime-pull 1.9.3

1.52 aiohttp-route-decorator 0.1.4
1.52.1 Available under license :
   No license file was found, but licenses were detected in source scan.

   Metadata-Version: 1.0
   Name: aiohttp_route_decorator
   Version: 0.1.4
   Summary: aiohttp @route decorator that doesn't need the app singleton
   Home-page: https://github.com/IlyaSemenov/aiohttp_route_decorator
The library provides `@route` decorator for `aiohttp.web`, resembling the contract of Flask `@app.route`.

.. _Flask: http://flask.pocoo.org/docs/0.11/quickstart/#routing

The imaginary `aiohttp` `@app.route` decorator is discouraged for multiple reasons; this one tries to solve part of those problems (the `app` doesn't need to be global at the very least).

.. _multiple: https://github.com/KeepSafe/aiohttp/issues/428
.. _reasons: https://github.com/KeepSafe/aiohttp/pull/195

Installation
============

```
pip install aiohttp_route_decorator
```

Usage
=====  

Create a `route` object in each of your handler modules, and decorate the handlers:

```
# myapp/handlers.py
from aiohttp_route_decorator import RouteCollector

route = RouteCollector()

@route('/')
async def index(request):
    return web.Response(body=b'OK')

@route('/publish', method='POST')
async def publish(request):
    return web.Response(body=b'OK')
```
@route('/login', methods=['GET', 'POST'], name='login')
async def login(request):
    if request.method == 'POST':
        return web.Response(body=b'OK')
    return web.Response(body=b'Login')

When you init the application, push the collected ``routes`` into ``app.router``:

```
from aiohttp import web
from myapp import handlers

def run():
    app = web.Application()
    handlers.route.add_to_router(app.router)
    web.run_app(app)
```

Non-decorator use
-----------------

If you prefer to keep your routes together, you can construct the list manually after your handers:

```
from aiohttp_route_decorator import RouteCollector, Route

async def index(request):
    return web.Response(body=b'OK')

async def publish(request):
    return web.Response(body=b'OK')

async def login(request):
    if request.method == 'POST':
        return web.Response(body=b'OK')
    return web.Response(body=b'Login')

routes = RouteCollector(
    Route('/', index),
    Route('/publish', publish, method='POST'),
    Route('/login', login, methods=['GET', 'POST'], name='login'),
)

Prefixed routes
You can provide common route prefix that will be prepended to all routes:

```python
from aiohttp_route_decorator import RouteCollector

routes = RouteCollector(prefix="/app")

@route('/')
async def index(request):
    return web.Response(body=b'OK')

@route('/publish', method='POST')
async def publish(request):
    return web.Response(body=b'OK')

...

handlers.route.add_to_router(app.router)
    # /app/ -> index
    # /app/publish -> publish
```

You can also provide the prefix within `add_to_router()` call instead:

```python
from aiohttp_route_decorator import RouteCollector

routes = RouteCollector()

@route('/')
async def index(request):
    return web.Response(body=b'OK')

@route('/publish', method='POST')
async def publish(request):
    return web.Response(body=b'OK')

...

handlers.route.add_to_router(app.router, prefix="/app")
    # /app/ -> index
    # /app/publish -> publish
```
...or use both:

.. code:: python

from aiohttp_route_decorator import RouteCollector

routes = RouteCollector(prefix='app')

@route('/')
async def index(request):
    return web.Response(body=b'OK')

@route('/publish', method='POST')
async def publish(request):
    return web.Response(body=b'OK')

...

handlers.route.add_to_router(app.router, prefix='project')
# /project/app/ -> index
# /project/app/publish -> publish

The non-decorator version of ``RouteCollector`` can also accept prefix:

.. code:: python

from aiohttp_route_decorator import RouteCollector, Route

async def index(request):
    return web.Response(body=b'OK')

async def publish(request):
    return web.Response(body=b'OK')

routes = RouteCollector(prefix='app', routes=[
    Route('/', index),
    Route('/publish', publish, method='POST'),
])

Parameters reference
---------------------
``route(path, *, method='GET', methods=None, name=None, **kwargs)``

- **path** (*str*)  route path. Should be started with slash (`'/'`).
- **method** (*str*)  HTTP method for route. Should be one of ```GET```, ```POST```, ```PUT```, ```DELETE```,...
The library provides `@route` decorator for `aiohttp.web`, resembling the contract of Flask `@app.route`.

.. _Flask: http://flask.pocoo.org/docs/0.11/quickstart/#routing

The imaginary `aiohttp` `@app.route` decorator is discouraged for multiple reasons; this one tries to solve part of those problems (the `app` doesn't need to be global at the very least).

.. _multiple: https://github.com/KeepSafe/aiohttp/issues/428
.. _reasons: https://github.com/KeepSafe/aiohttp/pull/195

Installation

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

::

   pip install aiohttp_route_decorator

Usage

======
Create a ``route`` object in each of your handler modules, and decorate the handlers:

```python
# myapp/handlers.py

from aiohttp_route_decorator import RouteCollector

route = RouteCollector()

@route('/
async def index(request):
    return web.Response(body=b'OK')

@route('/publish', method='POST')
async def publish(request):
    return web.Response(body=b'OK')

@route('/login', methods=['GET', 'POST'], name='login')
async def login(request):
    if request.method == 'POST':
        return web.Response(body=b'OK')
    return web.Response(body=b'Login')
```

When you init the application, push the collected ``routes`` into ``app.router``:

```python
from aiohttp import web
from myapp import handlers

def run():
    app = web.Application()
    handlers.route.add_to_router(app.router)
    web.run_app(app)
```

Non-decorator use

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

If you prefer to keep your routes together, you can construct the list manually after your handlers:

```python
from aiohttp_route_decorator import RouteCollector, Route

async def index(request):
```
return web.Response(body=b'OK')

async def publish(request):
    return web.Response(body=b'OK')

async def login(request):
    if request.method == 'POST':
        return web.Response(body=b'OK')
    return web.Response(body=b'Login')

routes = RouteCollector([  
    Route('/', index),  
    Route('/publish', publish, method='POST'),  
    Route('/login', login, methods=['GET', 'POST'], name='login'),  
])

Prefixed routes
---------------

You can provide common route prefix that will be prepended to all routes:

.. code:: python

from aiohttp_route_decorator import RouteCollector

routes = RouteCollector(prefix='/app')

@route('/')
async def index(request):
    return web.Response(body=b'OK')

@route('/publish', method='POST')
async def publish(request):
    return web.Response(body=b'OK')

...

handlers.route.add_to_router(app.router)
    # /app/ -> index
    # /app/publish -> publish

You can also provide the prefix within ``add_to_router()`` call instead:

.. code:: python

from aiohttp_route_decorator import RouteCollector
routes = RouteCollector()

@route('/')
async def index(request):
    return web.Response(body=b'OK')

@route('/publish', method='POST')
async def publish(request):
    return web.Response(body=b'OK')

...  

handlers.route.add_to_router(app.router, prefix='app')
# /app/ -> index
# /app/publish -> publish

...or use both:

.. code:: python

    from aiohttp_route_decorator import RouteCollector

    routes = RouteCollector(prefix='app')

    @route('/')
    async def index(request):
        return web.Response(body=b'OK')

    @route('/publish', method='POST')
    async def publish(request):
        return web.Response(body=b'OK')

...

    handlers.route.add_to_router(app.router, prefix='project')
    # /project/app/ -> index
    # /project/app/publish -> publish

The non-decorator version of ``RouteCollector`` can also accept prefix:

.. code:: python

    from aiohttp_route_decorator import RouteCollector, Route

    async def index(request):


return web.Response(body=b'OK')

async def publish(request):
    return web.Response(body=b'OK')

routes = RouteCollector(prefix='/app', routes=[
    Route('/', index),
    Route('/publish', publish, method='POST'),
])

Parameters reference
---------------------
``route(path, *, method='GET', methods=None, name=None, **kwargs)``

- **path** (*str*) route path. Should be started with slash ('/').
- **method** (*str*) HTTP method for route. Should be one of `GET`, `POST`, `PUT`, `DELETE`, `PATCH`, `HEAD`, `OPTIONS` or `*` for any method.
- **methods** (*List[str]*) optional shortcut for creating several routes with different HTTP methods at once. If used, should be a list of acceptable values for `method` argument.
- **name** (*str*) optional route name.
- **kwargs** other parameters to be passed to `aiohttp.web.Resource.add_route()`.

Platform: UNKNOWN

Found in path(s):
* /opt/cola/permits/1093468227_1603148145.95/0/aiohttp-route-decorator-0-1-4-tar-gz/aiohttp_route_decorator-0.1.4/aiohttp_route_decorator.egg-info/PKG-INFO

### 1.53 pendulum 2.1.2

#### 1.53.1 Available under license:

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1.55 javax-el-api 2.2.4

1.56 quartz 1.8.6

1.57 libstd-c 5.4.0 6ubuntu1~16.04.12
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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_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\n", (int)(ROUNDED)))
#endif
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

#!/usr/bin/python
# Copyright (C) 2013 Free Software Foundation, Inc.
#
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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',
    'lt�ptions.m4',
    'ltSugar.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')
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\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.
    '((C|c)opyright'  
    'C|c)opyright\[+\]'  
    '\[C]opyright\s+%'  
    '\[C]opyright\s+&copy;'  
    '\[C]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 + '(?:' + 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):
    # 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:
            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.
    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...

' % 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):
        super.__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 super.skip_file (self, dir, filename)

class GCCFilter (GenericFilter):
    def __init__ (self):
        super.__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',
        ])

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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 owned 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.', 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.')
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 (os.path.join ('gcc', 'gmp'), GCCFilter())
        self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir (os.path.join ('gnattools', 'libmudflap'), LibMudflapFilter())
        self.add_dir (os.path.join ('gnattools', '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()

// 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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Version 3, 29 June 2007

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```
java/security/acl/Permission.java/lang/Objectequals(Ljava/lang/Object;)ZtoString()Ljava/lang/String;
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 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 Jansen (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 3, 29 June 2007

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/* 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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/* 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)),\n 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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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
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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
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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
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library, provided that the separate distribution of the work based on
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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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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.

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

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a
restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

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

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

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

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

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

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

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

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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:

The modified work must itself be a software library.

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

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

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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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.

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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 compelld 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.

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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:

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

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

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

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

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

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

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

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@enumerate
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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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@ifex
@heading END OF TERMS AND CONDITIONS
@end ifex
@ifinfo
@center END OF TERMS AND CONDITIONS
@end ifinfo
@page
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That's all there is to it!

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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>");

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result.append("</dl>");
return result.toString();
}
else {
    return null;
}
}
}

// 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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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

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@c ispell-local-pdict: "ispell-dict"
@c End:

@c man end

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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 inParameter() {
        return true;
    }

    public boolean inReturnType() {
        return true;
    }

    public boolean inType() {
        return true;
    }

    public boolean inTypeParameter() {
        return true;
    }

    public boolean inVariable() {
        return true;
    }

    public boolean inTypeAnnotation() {
        return true;
    }

    public boolean inCatch() {
        return true;
    }

    public boolean inComment() {
        return true;
    }

    public boolean inJavadoc() {
        return true;
    }

    public boolean inCommentTag() {
        return true;
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    public boolean inMember() {
        return true;
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    public boolean inModule() {
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    public boolean inQuery() {
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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) {

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<td>lib/interception/mach_override</td>
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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;
	
toString() = 0;
	static ::java::lang::Class class$;
	} __attribute__ ((java_interface));

#endif // __java_security_acl_Permission__

/* 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;

public Permission(String name)
{
    this.name = name;
}

class PERMISSION
{
    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 abstract boolean implies(Permission perm);

    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>`

```java
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
```

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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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 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();
}

#!/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.

```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 + '\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',
            'rll.texi',
            'gpl_v3.texi',
            'rll-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',
'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]\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\s+\()\[Cc\]opyright\s+\+[Cc]\)\[Cc\]opyright\s+\+%s\[Cc\]opyright\s+&\copyright\)")
'copyright = ul'
'[@set\+s\+copyright[\w\-]+']

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

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

# 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 ')  # comment
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:
            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...
' % 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 ([]}
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_package_author('ARM')
        self.add_package_author('AdaCore')
        self.add_package_author('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
        self.add_package_author('Cavium Networks.')
        self.add_package_author('Faraday Technology Corp.')
        self.add_package_author('Florida State University')
        self.add_package_author('Greg Colvin and Beman Dawes.')
        self.add_package_author('Hewlett-Packard Company')
        self.add_package_author('Information Technology Industry Council')
        self.add_package_author('James Theiler, Brian Gough')
        self.add_package_author('Makoto Matsumoto and Takuji Nishimura')
        self.add_package_author('National Research Council of Canada')
        self.add_package_author('Peter Dimov and Multi Media Ltd')
        self.add_package_author('Peter Dimov')
        self.add_package_author('Pipeline Associates, Inc')
        self.add_package_author('Regents of the University of California')
        self.add_package_author('Silicon Graphics Computer Systems, Inc')
        self.add_package_author('Silicon Graphics')
        self.add_package_author('Stephen L. Moshier')
        self.add_package_author('Sun Microsystems, Inc. All rights reserved')
        self.add_package_author('The Go Authors. All rights reserved')
        self.add_package_author('The Regents of the University of California')
        self.add_package_author('Unicode, Inc')
        self.add_package_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 (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',
            'libjava',
            'libmudflap',
            'libobjc',
            'libquadmath',
            'libssp',
            'libstdc++-v3',
            'lto-plugin',
            'zlib']
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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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*m4/ax_func_which_gethostbyname_r.m4*

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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;
public Permission(String name)
{
    this.name = name;
}

public void checkGuard(Object obj)
{
    SecurityManager sm = System.getSecurityManager();
    if (sm != null)
        sm.checkPermission(this);
}

public abstract boolean implies(Permission perm);

public abstract boolean equals(Object obj);

/*
 * 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 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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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.

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:

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

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

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

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

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

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

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

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library, provided that the separate distribution of the work based on
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permitted, and provided that you do these two things:

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Accompany the combined library with a copy of the same work
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facilities. This must be distributed under the terms of the
Sections above.

@item
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where to find the accompanying uncombined form of the same work.
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```
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Ty Coon, President of Vice
@end smallexample

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@appendixsubsec Preamble

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

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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.

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
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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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The modified work must itself be a software library.
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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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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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@end enumerate

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

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

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

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

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

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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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@page
@appendixsubsec How to Apply These Terms to Your New Libraries

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

@smallexample
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David Megginson, david@megginson.com
2000-05-05

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* m4/ax_func_which_gethostname_r.m4

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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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#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 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__

1[java/security/Permissionjava/lang/Objectjava/security/Guardjava/io/SerializableserialVersionUIDJ
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SourceFilePermission.java

// 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__

// 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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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(agus@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.)

11.java/security/Permission.java/lang/Object.java/security/Guard.java/io/Serializable/serialVersionUIDJava
ConstantValue!WQ~nameLjava/lang/String;.<init>(Ljava/lang/String;)VCode
()VLineNumberTableLocalVariableTablethisLjava/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
?:>?:C=append"(C)Lgnu/java/lang/CPStringBuilder;
BCDgetClass(Ljava/lang/Class;
FHGjava/lang/Class$45
:J?K3(Ljava/lang/String;)Lgnu/java/lang/CPStringBuilder;
H
N65P
RTSjava/lang/String01
:V95stringLgnu/java/lang/CPStringBuilder;
SourceFilePermission.java!
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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the `copyright` line and a pointer to where the full notice is found.

```plaintext
@smallexample
@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}
@end smallexample
```

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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:

```plaintext
@smallexample
@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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/* gnu.classpath.tools.taglets.CopyrightTaglet
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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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as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]
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Open Source Used In DNAC System Engineering fury 957


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de Sh " Subsection heading
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.if t .Sp
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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
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\" Set up some character translations and predefined strings. \^\(-\) will
\^\(\pi\) will give an unbreakable dash, \^\(\pi\) will give pi, \^\(L\) will give a left
\^\(R\) will give a right double quote. \^\(C+\) will
\^\(\varpi\) give a nicer C++. Capital omega is used to do unbreakable dashes and
\^\(\varpi\) therefore won't be available. \^\(\varpi\) expand to ` in nroff,
\^\(\varpi\) nothing in troff, for use with C<<.

.tr \(\^W-\)
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\" Escape single quotes in literal strings from groff's Unicode transform.
.ie \(\&n\(g\) .ds Aq \("aq
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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.
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" Fear. Run. Save yourself. No user-serviceable parts.
\nV" fudge factors for nroff and troff
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  ds #V .8m
  ds #F .3m
  ds #[ M1
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V" simple accents for nroff and troff
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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 java.security.Permission.
*/
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();
}

.. _gnu_fdl:

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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

// 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;
    }
}

#endif // __java_security_Permission__
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<one line to give the program's name and a brief idea of what it does.>
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#
# 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',
            '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',
            'ltversion.m4',
            'ltversion.m4',
        'debugging',
        'install',
        'ltoptions.m4',
        'ltversion.m4',
    def skip_files(self, filename):
    # Check if filename is in skip_files set.
    return filename in self.skip_files

    def skip_dirs(self, directory):
        return directory in self.skip_dirs

    def skip_extensions(self, extension):
        return extension in self.skip_extensions

    def fossilised_files(self, filename):
        return filename in self.fossilised_files

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

    def process_files(self, files):
        for file in files:
            if not self.skip_files(file):
                self.fossilised_files.add(file)

    def process_dirs(self, directories):
        for directory in directories:
            if not self.skip_dirs(directory):
                self.own_files.add(directory)
'lt~obsolete.m4',
'missing',
'mkdep',
'ininstalldeis',
'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 ('\n')
    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,.-'

        # Matches one year.
        self.year_re = re.compile ('[0-9]+')

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

        # 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\{[^\{\}]\}\}]+)')

# 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 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)
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:
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.

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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...

    ' % 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(format % dir)
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',
        ])

        #
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 (
            # Not really part of the library
            'contrib',

            # Imported from upstream

            '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(['testsuite',
                               # Handled separately.
                               'testsuite',
                               ])

class LibStdCxxFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)
        self.skip_files |= set(['intro.xml',
                                # Contains no copyright of its own, but quotes the GPL.
                                'intro.xml',
                                ])
        self.skip_dirs |= set(['html',
                               # Contains automatically-generated sources.
                               'html',
                               # The testsuite data files shouldn't be changed.
                               'data',
                               # Contains imported images
                               'images',
                               ])
        self.own_files |= set(['spine.xml',
                               # 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)
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        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.')
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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('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',
    'libibity',
    'libmudflap',
    'libobjc',
    'libstdc++-v3',
]
GCCmdLine().main()
.. _gnu_fdl:

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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
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>.
 */
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

1.58 libpython-minimal 3.5.2-
2ubuntu0~16.04.12
1.58.1 Available under license:

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Bruce Perens. Current maintainer is Matthias Klose <doko@debian.org>.

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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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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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Sockets
-------

The `socket' module uses the functions, `getaddrinfo', and
`getnameinfo', which are coded in separate source files from the WIDE

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Floating point exception control
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UUencode and UUdecode functions
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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
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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 (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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1.69 async-timeout 1.4.0

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.if n .sp
...
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.ft CW
.nf
.ne \$1
...
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.ft R
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...
" Set up some character translations and predefined strings. \"(-- will
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\^ real vertical bar. \^C+ will give a nicer C++. Capital omega is used to
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\tr \^W-|\{bv\}^Tr
\ds C+ C\'v-.1\'h'-1p\'s-2+\h'-1p'+s0\'v'.1\'h'-1p'
\ie n \{
  . ds -- \{|*W-`
  . ds PI pi
  . if (\uH=4u)&&(1m=24u) .ds -- \{|*W\h'-12u\{|*W\h'-12u\}' diablo 10 pitch
  . if (\uH=4u)&&(1m=20u) .ds -- \{|*W\h'-12u\{|*W\h'-8u\}' diablo 12 pitch
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\^'
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  . nr % 0
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}\}
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\if n .na
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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
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Before (and including) argparse 1.1, the argparse package was licensed under Apache License v2.0.

After argparse 1.1, all project files from the argparse project were deleted due to license compatibility issues between Apache License 2.0 and GNU GPL v2.

The project repository then had a clean start with some files taken from Python 2.7.1, so definitely all files are under Python License now.

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1.73 gccbase 6.0.1 0ubuntu1

1.73.1 Available under license:

#!/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 + '
')
        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.texti',
        'gpl_v3.texti',
        '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',
        'ltversion.m4',
        'lt~obsolete.m4',
        'missing',
        'mkdep',
        'mkinstalldirs',
        'move-if-change',
        'shlibpath.m4',
        'symlink-tree',
        'ylwrap',

        # Skip FSF mission statement, etc.
        'gnu.texti',
        'funding.texti',
        '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'	')
    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):
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 (  
            '(\[Cc\]opyright'  
            '\[Cc\]opyright\[Cc\]'  
            '\[Cc\]opyright\+\s+\[Cc\]'  
            '\[Cc\]opyright\+\%'  
            '\[Cc\]opyright\+\&copy;'  
            '\[Cc\]opyright\+\copyright{}'  
            'copyright = u\''  
            '@set\s+copyright\s+\[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 + '\(?:' + name + '\)\)'  

        # 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)]
# 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 OSErr
            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 = []
```python
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])
    for (what, help) in self.option_help:
        sys.stdout.write ('%15s %s
' % (what, help))
    sys.stdout.write ('
Directories:
')
    if i % 3 == 0 or i == len (self.dirs):
        sys.stdout.write (dir + '
')
    else:
        sys.stdout.write ('%25s
' % 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.
                # 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)
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.
        ])

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

        self.skip_files |= set(['intro.xml', ])

        self.skip_dirs |= set(['html', ])

        self.own_files |= set(['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, Inc.', 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')
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 ('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 ('libvtv')
self.add_dir ('lto-plugin')
# zlib is imported from upstream.

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

GCCCmdLine().main()

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

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this exception to your version of the library, but you are not
obligated to do so. If you do not wish to do so, delete this
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.
 *
 * 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());
    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!
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.)

/*+gnu/classpath/tools/taglets/CopyrightTagletjava/lang/Objectcom/sun/tools/doclets/TagletNAMEljava/lang/Strin
g;
ConstantValuecopyrightHEADER
Copyright: <init>();}Code
LineNumberTableLocalVariableTablethis-
Lgnu/classpath/tools/taglets/CopyrightTaglet;getName()Ljava/lang/String;inField();Z
inConstructorinMethod
inOverview,inPackage,inType,isInlineTag,register(Ljava/util/Map;)V

&(*)
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g
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document.getElementById("package").innerHTML = "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";

    // Other code...

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 &copy; "+ tags[i].text() + "/\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. "Object code" means any non-source form of a work.

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@c man end

1[java/security/Permissionjava/lang/Objectjava/security/Guardjava/io/SerializableserialVersionUIDJ
ConstantValue?(WQ~nameLjava/lang/String;<init>(Ljava/lang/String;)VCode
()VLineNumberTableLocalVariableTablethis(java/security/Permission;
checkGuard(Ljava/lang/Object;)V
1 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/lan
g/String;
getActionsnewPermissionCollection&()Ljava/security/PermissionCollection;toString;gnu/java/lang/CPStringBuilder
r
:>
?:@append"(C)Lgnu/java/lang/CPStringBuilder;
BCDgetClass()Ljava/lang/Class;
FHZjava/lang/Class45
:J?K3(Ljava/lang/String;)Lgnu/java/lang/CPStringBuilder;
H
N65P
RTSjava/lang/String01
:V95stringLgnu/java/lang/CPStringBuilder;
SourceFilePermission.java!
F
**+[]^
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@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.)

// 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__
/* 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)))

#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

#include <java/security/acl/Permission.java>
#include <java/lang/Object.h>

namespace java
{
namespace security
{

SourceFilePermission.java

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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__
.. _gnu_fdl:

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```
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#
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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()
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]+[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 + '|\s+and\s+' + 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*\(?\s+?\)' + ranges + '\s*\)?  
  '@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).
  '\s*\(?\s+\)? \s*' + name + '\s*\(?\s+\)?\s*' + name + '\s*\(?\s+\)?\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]\s*[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)
        else:
            return year

    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):
    
    # 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):
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        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)
        else:
            return year

    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)'
else:
    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
'
    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[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:
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',

            # Not part of GCC
            'math-68881.h',
        '])
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 LibCcppFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    self.skip_extensions |= set([
        # Maintained by the translation project.
        '.po',
        ])

    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 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.')
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 ('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', 'libcpp', 'libdecnumber', 'libgcc',
           'libgfortran', 'libgomp', 'libitm', 'libmudflap', 'libobjc', 'libstdc++-v3',
           ]

GCCCmdLine().main()

// DO NOT EDIT THIS FILE - it is machine generated.

#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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Developed by:

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University of Illinois at Urbana-Champaign

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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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*m4/ax_func_which_gethostbyname_r.m4

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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 `<code>Permission</code>` as a `<code>String</code>.
 *
 * @return A `<code>String</code>` representing this permission.
 */

String toString();

} // Definitions for BSD assembler syntax for Intel 386
(actual 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_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), "*%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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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.
   */
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 abstract boolean implies(Permission perm);

public abstract boolean equals(Object obj);
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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@enumerate a
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with the Library, with the complete machine-readable `work that
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@item
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@item
Verify that the user has already received a copy of these
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@end enumerate

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@end enumerate

@ifex
@heading END OF TERMS AND CONDITIONS
@end ifex
@ifinfo
@center END OF TERMS AND CONDITIONS
@end ifinfo

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

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

That's all there is to it!
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exception statement from your version. */

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);
}

class CopyrightTaglet {
    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() + "; + tags[i].text() + "</dt>"));
                    }
                    result.append("</dl>");
                    return result.toString();
            else {
                return null;
            }
        }
    }
}

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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__

Copyright:
"init"()V
Code
LineNumberTable
LocalVariableTable
this-L
gnu/classpath/tools/taglets/CopyrightTaglet.java/lang/Objectcom/sun/tools/doclets/TagletNAMELjava/lang/String;
ConstantValue
copyrightHEADER
Copyright:<init>()V
Code
LineNumberTable
LocalVariableTable
this-L

gnu/classpath/tools/taglets/CopyrightTaglet;getName()Ljava/lang/String;inField()Z
inConstructor
inMethod
inOverview
inPackage
inType
isInlineTag
register(Ljava/util/Map;)V

&(*
java/util/Map+.put8(Ljava/lang/Object:Ljava/lang/Object:Ljava/lang/Object:
tagletMapLjava/util/Map;copyrightTaglettoString)(Lcom/sun/javadoc/Tag;)Ljava/lang/String;3com/sun/javadoc/Tag
tag
506*{(Lcom/sun/javadoc/Tag:Ljava/lang/String;tagLcom/sun/javadoc/Tag:2::text
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#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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Version 3.1, 31 March 2009

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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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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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for incorporation into a dwelling. In determining whether a product is a
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product. A product is a consumer product regardless of whether the product
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```
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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.
```

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

@c man end
#!/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',
            'fddi.texi',
            'gpl_v3.texi',
            'fdd-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',
            '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',
}

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
    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]\n
        # 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            '(\[Cc\]opyright'|\n            '\[Cc\]opyrights\+\[Cc\]|)'\n            '\[Cc\]opyright\+\%s'\n            '\[Cc\]opyright\+\&copy;'\n            '\[Cc\]opyright\+\@copyright{}'\n            '[copyright = u'\n            '@set\+copyright\[w-]+')

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

' % 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',  
])

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('gnatools')
        self.add_dir('include')
        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')

# libasan 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',
    'libobjc',
    'libstdc++-v3',
]

GCCCmdLine().main()

<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<!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" xml:lang="en" lang="en" xml:space="preserve">
<head>
  <meta http-equiv="Content-Type" content="text/html; charset=UTF-8"/>
  <link rel="home" href="/" title="License" />
</head>
<body>
  <table class="navheader" width="100%" summary="Navigation header">
    <tr>
      <th align="center" colspan="3">License</th>
    </tr>
    <tr>
      <td width="20%" align="left">
        GCCCmdLine().main()
      </td>
    </tr>
  </table>
</body>
</html>
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Version 3.1, 31 March 2009

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```
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```

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Jan 21, 2002

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Version 3.1, 31 March 2009

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

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

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

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

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

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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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16\text{gnu/java\textbackslash{}sound/AudioSecurityManager\textbackslash{}Permission}\text{java\textbackslash{}lang/Enum}\text{PLAY1}\text{IL\text{g}nu/java\textbackslash{}sound/AudioSecurityManager\textbackslash{}Permission};\text{RECORDALLEN}\text{M\textbackslash{}S\textbackslash{}VALUES2}\text{IL\text{g}nu/java\textbackslash{}sound/AudioSecurityManager\textbackslash{}Permission};<\text{c\textbackslash{}init}>(\text{VCode}<\text{init}(\text{Ljava\textbackslash{}lang/String;}I)V

\text{LineNumberTable}\text{LocalVariableTable}
\text{this\textbackslash{}values4}\text{IL\text{g}nu/java\textbackslash{}sound/AudioSecurityManager\textbackslash{}Permission};
$\&\%\text{java\textbackslash{}lang/System'}(\text{arraycopy}(\text{L\text{g}nu/java\textbackslash{}lang/Object;}I\text{java\textbackslash{}lang/Object;}I)\text{valueOf}((\text{L\text{g}nu/java\textbackslash{}lang/String;}L\text{g}nu/java\textbackslash{}sound/AudioSecurityManager\textbackslash{}Permission;)
\text{SourceFile}\text{AudioSecurityManager.java}
\text{SignatureCl}\text{java\textbackslash{}lang/Enum.<\text{l\text{g}nu/java\textbackslash{}sound/AudioSecurityManager\textbackslash{}Permission;>\text{InnerClasses4\text{l\text{g}nu/java\textbackslash{}sound/AudioSecurityManager}}\text{Permission}@1@@@}

eAYYYYYSYSYS
GE1*+E!"6YK*Y<YM#.,) *
*+./012 35@
/* 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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You should have received a copy of the GNU General Public License along with GCC; see the file COPYING3. If not see <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 “	.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, “	.space "HOST_WIDE_INT_PRINT_UNSIGNED"
”, (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)))

#define HAVE_GAS_LCOMM_WITH_ALIGNMENT
// This is how to output an assembler line
// that says to advance the location counter
to a multiple of 2**LOG bytes. */

/* 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'. */

/* The prefix to add to user-visible assembler symbols. */

/* 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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@enumerate
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@item
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@end enumerate

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

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

HISTORY -

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

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

Some other contributors:

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

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

Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood. Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Petersen(jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.

Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill 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 Deteufs(deteufs@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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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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``Source code'' for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)
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If 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
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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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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
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@item
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@item
If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

@item
Verify that the user has already received a copy of these materials or that you have already sent this user a copy.
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```
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@end smallexample

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

That's all there is to it!

// DO NOT EDIT THIS FILE - it is machine generated.

#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__

GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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0. Definitions.

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The availability of this Exception does not imply any general
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requirements of the license of GCC.

// 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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Version 2.1, February 1999
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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.

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

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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
 */
public abstract boolean implies(Permission perm);

public abstract boolean equals(Object obj);

public abstract int hashCode();

public final String getName()
{
    return name;
}

public abstract String getActions();

public abstract PermissionCollection getCollection();
public PermissionCollection newPermissionCollection()
{
    return null;
}

/**
 * This method returns a String representation of this Permission object. This is in the format:
 * '(' + getClass().getName() + ' ' + getName() + ' ' + getActions + ')'.
 *
 * @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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 .if t .sp .5v
 .if n .sp
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\" 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

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

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Sh "TERMS and CONDITIONS"

IX Subsection "TERMS AND CONDITIONS"

IP "0. Definitions."

IX Item "0. Definitions."

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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(::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__

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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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That's all there is to it!
/* 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 <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
 */

import java.io.Serializable;
import java.security.AccessControlException;
import java.security.AccessController;
import java.security.PermissionCollection;
import java.security.PrivilegedAction;
import java.security.PrivilegedActionException;

public abstract class Permission implements Guard, Serializable {

    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>Class.getName() + Actions</code>.
 *
 * @return this object as a <code>String</code>
 */
public String toString()
{
    CPStringBuilder string = new CPStringBuilder();

    // Your code here...
}
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

<?xml version="1.0" encoding="UTF-8" standalone="no"?>
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Jan 21, 2002

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import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.javadoc.Tag;

/**<nn*/
*I  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 {

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return null;
} }
}
}
}

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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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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

@ifex
@heading END OF TERMS AND CONDITIONS
@end ifex
@ifinfo
@center END OF TERMS AND CONDITIONS
@end ifinfo
@page
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`Frob' (a library for tweaking knobs) written by James Random Hacker.

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Ty Coon, President of Vice
@end smallexample

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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/* 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"
", (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)),
  fputs (NAME, (FILE)),
  fputs ("\n", (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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Version 2.1, February 1999

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case, there is little to gain by limiting the free library to free
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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
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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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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 java/security/Permissionjava/lang/Objectjava/security/Guardjava/io/SerializableserialVersionUIDJ
ConstantValue?(WQ-namejava/lang/String;<init>(Ljava/lang/String;)VCode
()VLineNumberTableLocalVariableTablethisLjava/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/lan
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getActionsnewPermissionCollection&()Ljava/security/PermissionCollection;toString;gnu/java/lang/CPStringBuilder
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BCDgetClass()Ljava/lang/Class;
FHGjava/lang/Class45
:J?K3(Ljava/lang/String:)Lgnu/java/lang/CPStringBuilder;
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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() + "</i></dt>");
                }
            result.append("</dl>");
            return result.toString();
        } else {
            return null;
        }
    }
}

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<init>(Ljava/lang/String;I)V
LineNumberTableLocalVariableTable
Permission@1@@@

/* Permission.java -- Information about an ACL permission

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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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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();

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

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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$Permission * > * ENUMSVALUES;
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static ::java::lang::Class class$;
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" Automatically generated by Pod::Man 2.16 (Pod::Simple 3.05)

" Standard preamble:

=======================================================================
deh Subsection heading
.br
.if t .Sp
.ne 5
.PP
\B|\S1|\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 \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\'-1p\'-v\'-1p\'-v\'-2\'+v\'-1p\'+v\'/0\'+v\'-1p\'/
.ie n \{|.
  . ds -- \(*W-
  . ds PI pi
  . if (\n(.H=4u)&(1m=24u) .ds -- \(*W\h'-12u\'(\*W\h'-12u\'-\) diablo 10 pitch
  . if (\n(.H=4u)&(1m=20u) .ds -- \(*W\h'-12u\'(\*W\h'-8u\'-\) diablo 12 pitch
  . ds L" "
  . ds R" "
  . ds C" "
  . ds C' "
  \b\}
  .e\f\{|.
  . ds -- \|\(em\|
  . ds PI \"p
  . ds L" "
  . ds R" "
  \b\}
\" Escape single quotes in literal strings from groff's Unicode transform.
.ie \n(.g .ds Aq \(aq
  .e\l .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:\\S1\n\a
  .. nr % 0
  . rr F
  \}
  .e\l \{|.
  . 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.
  \" fudge factors for nroff and troff
  .if n \{|
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
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.nh
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.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"
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SEE ALSO

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

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SourceFilePermission.java

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#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$;
}

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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>");
                }
            result.append("</dl>");
            return result.toString();
        } else {
            return null;
        }
    }
}
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```
1 java/security/Permission
2 java/lang/Object
3 java/security/Guard
4 java/io/Serializable
5 serialVersionUID
6 ConstantValue
7 WOQ
8 name
9 java/lang/String
10 <init>
11 (Ljava/lang/String;)
12 V
13 Code
14 ()V
15 LineNumberTable
16 LocalVariableTable
17 this
18 Ljava/security/Permission;
19 checkGuard
20 (Ljava/lang/Object;)V
21 java/lang/System
22 #getSecurityManager
23 Ljava/lang/SecurityManager;
24 %&
25 java/lang/SecurityManager
26 checkPermission
27 (Ljava/security/Permission;)
28 V
29 Object
30 Ljava/lang/Object;
31 sm
32 Ljava/lang/SecurityManager;
33 implies
34 (Ljava/security/Permission;)
35 Z
36 equals
37 (Ljava/lang/Object;)
38 Z
39 hashCode
40 I
41 getName
42 ()Ljava/lang/String;
43 getActions
44 newPermissionCollection
45 ()Ljava/security/PermissionCollection;
46 toString
47 gnu/java/lang/CPStringBuilder
48 Builder
49 >?
50 append
51 (C)Lgnu/java/lang/CPStringBuilder;
52 BCD
53 getClass
54 (Ljava/lang/Class;
55 FHG
56 java/lang/Class
57 _45
58 J?
59 K3
60 (Ljava/lang/String;
61 Lgnu/java/lang/CPStringBuilder;
62 H
63 N65P
64 RTS
65 java/lang/String
66 :V95
67 string
68 gnu/java/lang/CPStringBuilder;
69 SourceFilePermission.java!
70 F
71 **+[]^*
72 XM,*$nop
73 q ++
74 ,012345,*6578,95S:Y<.L+(=L+*AEIL.=L+*LIL.*MOQ+=L+*MIL+=L+U*
75 ^*7>GNSKWXYZ
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 */

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.

/* 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 %\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), ",%\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 (".comm ", (FILE)),
   assemble_name ((FILE), (NAME)),
   fprintf ((FILE), ",%\n", (int)(ROUNDED))

   /* This says how to output an assembler line to define a global common symbol. */
   ( fputs (".comm ", (FILE)),
   assemble_name ((FILE), (NAME)),
   fprintf ((FILE), ",%\n", (int)(ROUNDED))

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

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
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 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 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.)

Jan 21, 2002

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reviewing courts shall apply local law that most closely approximates
an absolute waiver of all civil liability in connection with the
Program, unless a warranty or assumption of liability accompanies a
copy of the Program in return for a fee.

@end enumerate

@end enumerate

@end enumerate

@end enumerate

@end enumerate

@end enumerate

@end enumerate

@end enumerate

@end enumerate

@end enumerate

@end enumerate

@end enumerate

@heading END OF TERMS AND CONDITIONS

@heading How to Apply These Terms to Your New Programs

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

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

@smallexample
@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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it under the terms of the GNU General Public License as published by
the Free Software Foundation, either version 3 of the License, or (at
your option) any later version.

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General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program. If not, see @url{http://www.gnu.org/licenses/}.
@end smallexample

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:

@end smallexample

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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program's commands might be different; for a GUI interface, you would
use an ``about box''.

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the GNU Lesser General Public License instead of this License. But
first, please read @url{http://www.gnu.org/philosophy/why-not-lgpl.html}.
@end c man end

/* Permission.java -- Information about an ACL permission
   Copyright (C) 1998 Free Software Foundation, Inc.

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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}.
 * *
 * @version 0.0
 * *
 * @author Aaron M. Renn (arenn@urbanophile.com)
 */
public interface Permission
{
/**
 * This method tests whether or not a specified \code{Permission} (passed as an \code{Object}) is the same as this permission.
 * *
 * @param perm The permission to check for equality
 * *
 * @return \code{true} if the specified permission is the same as this one, \code{false} 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();
}

// 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;
}

#endif // __java_security_Permission__
#!/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',
            'ltoptions.m4',
            'ltsugar.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 ('	')
    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 (r'
            ([Cc]opyright\s+\(\[Cc\]\))
            |\([Cc]opyright\s+%s\)
            |\([Cc]opyright\s+&copy;\)
            |\([Cc]opyright\s+\@copyright\[ \}\)
            |\@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
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' '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'
    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',
            '.cc',
            '.h',
            '.hs',
            '.f',
            }
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',
        ])

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

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

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

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

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 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.')
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        self.add_external_author ('The Go Authors. All rights reserved.')
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        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')
# libsanitsiser 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', 'libjava', 'libmudflap', 'libobjc', 'libstdc++-v3', ]

GCCCmdLine().main()
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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 (braziel@diamond.bbn.com) originally supplied the ULTRIX code.
Al Dosser (dossers@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.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.)
/* 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
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) {
        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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1.80 meld 1.0.2

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1.81 licensemanager 1.0.0

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Metadata-Version: 2.1
Name: licensemanager
Version: 1.0.0
Summary: License Manager Python Service (1.0.0)
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
# License Manager Service

**Installation**

+ Setup the dev environment as described in [maglev website](http://maglev.cisco.com/getstarted/setup/dev-setup-maglev/)

+ Run the following commands

  - `gradle clean buildPackage dist`
  - `gradle copy`

**Running the service locally**

+ In `licensemanager/configurations` change the value to `dev_mode` to `True` in `appconfig.ini`

+ In `licensemanager/configurations` change the value of `cluster` and `port` (debug port of postgres which is exposed) to appropriate values

+ Run the gradle commands mentioned in the **Installation** phase (This is required only once)

+ Install the licensemanager wheel generated in the dist/staging/ directory

+ Start the vagrant VM with `vagrant up`

+ Start the service with `appctl start licensemanager`

+ `start` and `stop` script can be used to control the service from pycharm IDE
- 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 :licensemanager:test

**Service Deployment on Cluster**
+ To deploy the service on the cluster make sure you have set the value of `dev_mode` to `False`

+ Run the `gradle` commands mentioned above, and place the generated tar.gz from `licensemanager/dist/` into `catalog/managerappstack/licensemanager/`

+ Run `maglev catalog push catalog` to push the artifact to cluster

+ Run `maglev package deploy licensemangerpackage` to deploy the package

**Warning**:
+ When you are building the service on MAC/Windows the wheel files downloaded will be specific to the local envirnoment which will not get installed on the cluster
+ To overcome the above problem, the linux based wheels for all the wheels required for licensemanger are added in `linuxwheels` folder.
+ After successfully building the tar.gz you can run `repkgWheel.sh` script which will repackage the tar with linux wheels, and copy the new artifact to catalog directory.

*if there are any issues during deployment feel free to contact srihpall/kartikbh*

Found in path(s):
* /opt/cola/permits/1090636643_1603899961.85/0/licensemanager-1.0.0-dist-info-zip/packages/4/licensemanager-1.0.0.dist-info/METADATA

1.82 log4j-api 2.8.2
1.82.1 Available under license :

Apache Log4j 1.x Compatibility API
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1.83 txw2 2.2.11

1.84 opentracing-spring-web-autoconfigure 0.3.2

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1.85 python3.5-dev 3.5.2-2ubuntu0~16.04.12

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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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1.92 libosspuuid 1.6.2-1.5build2

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org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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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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#2: 7680 8704 0xa5
#5: 7936 4864 0x7 (freebsd)
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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

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 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>: 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

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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Upstream-Contact: util-linux@vger.kernel.org
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Files: *
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  1992-1997 Michael K. Johnson, johnsonm@redhat.com
    2003, 2004, 2005, 2008 Theodore Ts'o <ttytso@mit.edu>
  1994 Kevin E. Martin (martin@cs.unc.edu)
  1994 Salvatore Valente <svalente@mit.edu>
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    misc-utils/kill.c
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    term-utils/mesg.c
    term-utils/script.c
    term-utils/ttymsg.c
    term-utils/wall.c
term-utils/write.c
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text-utils/colcrt.c
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    libuuid/src/*
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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
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

<table>
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<tr>
<th>Slice</th>
<th>Start</th>
<th>End</th>
<th>Sectors</th>
<th>Size</th>
<th>Type</th>
<th>Fsize</th>
<th>Bsize</th>
<th>Cpg</th>
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<td>a</td>
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<td>2049</td>
<td>2049</td>
<td>1M</td>
<td>4.2BSD</td>
<td>0</td>
<td>0</td>
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<tr>
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<td>8M</td>
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<tr>
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<td>7.9M</td>
<td>unused</td>
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<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):

<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>
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<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>
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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>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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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
2d8e8df51a88a045db233418dd73fbe 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

Open Source Used In DNAC System Engineering fury 2585
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
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):
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
1beb87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8df51a88a045db233418dd73f5e 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
2e1cee529ce59c9341afe0443f196a1 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
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.

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</td>
<td>4.2BSD</td>
<td></td>
</tr>
<tr>
<td>c</td>
<td>4096 20479</td>
<td>16384</td>
<td>8M</td>
<td>unused</td>
<td></td>
</tr>
<tr>
<td>d</td>
<td>0 16064</td>
<td>16065</td>
<td>7.9M</td>
<td>unused</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.
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   misc-utils/look.c
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   term-utils/mesg.c
   term-utils/script.c
   term-utils/ttymsg.c
   term-utils/wall.c
   term-utils/write.c
   text-utils/col.c
   text-utils/colcrt.c
   text-utils/colrm.c
   text-utils/column.c
   text-utils/hexdump.c
   text-utils/hexdump.h
   text-utils/hexdump-conv.c
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1.114 libalgorithm-diff-perl 1.19.03-1

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1.117 jtoml 1.0.0

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  jar/org/springframework/messaging/core/AbstractMessageSendingTemplate.java
* /opt/ws_local/PERMITS_SQL/1069083161_1594481482.89/0/spring-messaging-4.3.19-release-sources-1-
  jar/org/springframework/messaging/support/IdTimestampMessageHeaderInitializer.java
* /opt/ws_local/PERMITS_SQL/1069083161_1594481482.89/0/spring-messaging-4.3.19-release-sources-1-

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 */
* Set the max pool size of the ThreadPoolExecutor.
* <p><strong>NOTE:</strong> When an unbounded
* [%link queueCapacity(int) queueCapacity%] is configured (the default), the
* max pool size is effectively ignored. See the "Unbounded queues" strategy
* in [%link java.util.concurrent.ThreadPoolExecutor ThreadPoolExecutor%] for
* more details.
* <p>By default this is set to [%code Integer.MAX_VALUE%].
*/

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* /opt/ws_local/PERMITS_SQL/1069083161_1594481482.89/0/spring-messaging-4-3-19-release-sources-1.jar/org/springframework/messaging/converter/StringMessageConverter.java
* /opt/ws_local/PERMITS_SQL/1069083161_1594481482.89/0/spring-messaging-4-3-19-release-sources-1.jar/org/springframework/messaging/handler/MessagingAdviceBean.java
* /opt/ws_local/PERMITS_SQL/1069083161_1594481482.89/0/spring-messaging-4-3-19-release-sources-1.jar/org/springframework/messaging/tcp/TcpConnection.java
* /opt/ws_local/PERMITS_SQL/1069083161_1594481482.89/0/spring-messaging-4-3-19-release-sources-1.jar/org/springframework/messaging/simp/SimpMessageTypeMessageCondition.java
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* /opt/ws_local/PERMITS_SQL/1069083161_1594481482.89/0/spring-messaging-4-3-19-release-sources-1.jar/org/springframework/messaging/handler/invocation/HandlerMethodArgumentResolver.java
* /opt/ws_local/PERMITS_SQL/1069083161_1594481482.89/0/spring-messaging-4-3-19-release-sources-1.jar/org/springframework/messaging/simp/user/DefaultUserSessionRegistry.java
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* /opt/ws_local/PERMITS_SQL/1069083161_1594481482.89/0/spring-messaging-4-3-19-release-sources-1.jar/org/springframework/messaging/handler/HandlerMethodSelector.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

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.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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1.123 uvloop 0.7.0

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1.124 jetty-client 9.3.27.v20190418

1.125 maglev-appserver 1.7.8
1.125.1 Available under license :
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Metadata-Version: 2.0
Name: maglev-appserver
Version: 1.7.8
Summary: Maglev Python AppServer(1.7.8)
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1.128 click 6.6

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1.129 flask 1.1.2

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1.130 libperl 5.22.1-9ubuntu0.9

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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
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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_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
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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* 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
3a0982da308228d796df35f98d787c5c7f2bb5b6.

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>
1.134 markupsafe 1.0

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1.138 jul-to-slf4j 1.7.5

1.139 ply 3.11
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* /opt/cola/permits/1110905356_1606871332.58/0/dabeaz-ply-3-11-0-g0f398b7-1-tar-gz/dabeaz-ply-0f398b7/ply/cp.py

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* /opt/cola/permits/1110905356_1606871332.58/0/dabeaz-ply-3-11-0-g0f398b7-1-tar-gz/dabeaz-ply-0f398b7/ply/yacc.py

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# PLY (Python Lex-Yacc) Version 3.11


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Introduction
============

PLY is a 100% Python implementation of the common parsing tools lex and yacc. Here are a few highlights:

- PLY is very closely modeled after traditional lex/yacc.
  If you know how to use these tools in C, you will find PLY to be similar.
- PLY provides *very* extensive error reporting and diagnostic information to assist in parser construction. The original implementation was developed for instructional purposes. As a result, the system tries to identify the most common types of errors made by novice users.

- PLY provides full support for empty productions, error recovery, precedence specifiers, and moderately ambiguous grammars.

- Parsing is based on LR-parsing which is fast, memory efficient, better suited to large grammars, and which has a number of nice properties when dealing with syntax errors and other parsing problems. Currently, PLY builds its parsing tables using the LALR(1) algorithm used in yacc.

- PLY uses Python introspection features to build lexers and parsers. This greatly simplifies the task of parser construction since it reduces the number of files and eliminates the need to run a separate lex/yacc tool before running your program.

- PLY can be used to build parsers for "real" programming languages. Although it is not ultra-fast due to its Python implementation, PLY can be used to parse grammars consisting of several hundred rules (as might be found for a language like C). The lexer and LR parser are also reasonably efficient when parsing typically sized programs. People have used PLY to build parsers for C, C++, ADA, and other real programming languages.

How to Use
==========

PLY consists of two files: lex.py and yacc.py. These are contained within the 'ply' directory which may also be used as a Python package. To use PLY, simply copy the 'ply' directory to your project and import lex and yacc from the associated 'ply' package. For example:

```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 example directory contains several different examples including a PLY specification for ANSI C as given in K&R 2nd Ed.

A simple example is found at the end of this document

Requirements
============= 
PLY requires the use of Python 2.6 or greater. However, you should use the latest Python release if possible. It should work on just about any platform. PLY has been tested with both CPython and Jython. It also seems to work with IronPython.

Resources
========= 
More information about PLY can be obtained on the PLY webpage at:

   http://www.dabeaz.com/ply

For a detailed overview of parsing theory, consult the excellent book "Compilers : Principles, Techniques, and Tools" by Aho, Sethi, and Ullman. The topics found in "Lex & Yacc" by Levine, Mason, and Brown may also be useful.

The GitHub page for PLY can be found at:

   https://github.com/dabeaz/ply

An old and relatively inactive discussion group for PLY is found at:

   http://groups.google.com/group/ply-hack

Acknowledgments
=================
A special thanks is in order for all of the students in CS326 who suffered through about 25 different versions of these tools :-). 

The CHANGES file acknowledges those who have contributed patches.

Elias Ioup did the first implementation of LALR(1) parsing in PLY-1.x. Andrew Waters and Markus Schoepflin were instrumental in reporting bugs and testing a revised LALR(1) implementation for PLY-2.0.

Special Note for PLY-3.0
========================
PLY-3.0 the first PLY release to support Python 3. However, backwards compatibility with Python 2.6 is still preserved. PLY provides dual
Python 2/3 compatibility by restricting its implementation to a common subset of basic language features. You should not convert PLY using 2to3--it is not necessary and may in fact break the implementation.

Example
=======

Here is a simple example showing a PLY implementation of a calculator with variables.

```python
# -*- coding: utf-8 -*-

# calc.py
#
# A simple calculator with variables.
#

tokens = (
    'NAME', 'NUMBER',
    'PLUS', 'MINUS', 'TIMES', 'DIVIDE', 'EQUALS',
    'LPAREN', 'RPAREN',
)

# Tokens

def t_PLUS(t):
    r'^\+.'
    t.value = int(t.value)
    return t

def t_MINUS(t):
    r'^\-.'

def t_TIMES(t):
    r'^\*.'

def t_DIVIDE(t):
    r'^/.'

def t_EQUALS(t):
    r'^=.'

def t_LPAREN(t):
    r'^\('

def t_RPAREN(t):
    r'^\)'

def t_NAME(t):
    r'^[a-zA-Z_]\[a-zA-Z0-9_]*'$

def t_NUMBER(t):
    r'^\d+'
    t.value = int(t.value)
    return t

def t_newline(t):
    r'^\n+'
    t.lexer.lineno += t.value.count('
')

def t_error(t):
    print("Illegal character '%s'" % t.value[0])
    t.lexer.skip(1)
```

---

Open Source Used In DNAC System Engineering fury 2845
# 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])

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
```

```
Found in path(s):
* /opt/cola/permits/1110905356_1606871332.58/0/dabeaz-ply-3-11-0-g0f398b7-1-tar-gz/dabeaz-ply-0f398b7/README.md
```

### 1.140 apache-log4j 2.8.2

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Apache Log4j Core
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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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1.142 aspectjrt 1.9.2

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1.143 consul 1.8.0

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---

layout: docs
page_title: 'Commands: License'
sidebar_title: license
description: >

The license command provides datacenter-level management of the Consul Enterprise license.

---

# Consul License

Command: `consul license`

<EnterpriseAlert />

The `license` command provides datacenter-level management of the Consul Enterprise license. This was added in Consul 1.1.0.

If ACLs are enabled then a token with operator privileges may be required in order to use this command. Requests are forwarded internally to the leader if required, so this can be run from any Consul node in a cluster. See the [ACL Guide](https://learn.hashicorp.com/consul/security-networking/production-acls) for more information.
Usage: consul license <subcommand> [options] [args]

This command has subcommands for managing the Consul Enterprise license. Here are some simple examples, and more detailed examples are available in the subcommands or the documentation.

Install a new license from a file:

$ consul license put @consul.license

Install a new license from stdin:

$ consul license put -

Install a new license from a string:

$ consul license put "<license blob>"

Retrieve the current license:

$ consul license get

Reset the current license:

$ consul license reset

For more examples, ask for subcommand help or view the documentation.

Subcommands:
    get   Get the current license
    put   Puts a new license in the datacenter
    reset Resets the license in the datacenter

```

## put

This command sets the Consul Enterprise license.

Usage: `consul license put [options] LICENSE`

#### API Options

@include 'http_api_options_client.mdx'

@include 'http_api_options_server.mdx'

```
The output looks like this:

```
```
License is valid
License ID: 2afbf681-0d1a-0649-cb6c-333ec9f0989c
Customer ID: 0259271d-8ffec-8e5e-0830-c0822c1f5f2b
Expires At: 2019-05-22 03:59:59.999 +0000 UTC
Datacenter: *
Package: premium
Licensed Features:
  Automated Backups
  Automated Upgrades
  Enhanced Read Scalability
  Network Segments
  Redundancy Zone
  Advanced Network Federation
...

## get

This command gets the Consul Enterprise license.

Usage: `consul license get [options]`

#### API Options

@include 'http_api_options_client.mdx'

@include 'http_api_options_server.mdx'

The output looks like this:

```
```
License is valid
License ID: 2afbf681-0d1a-0649-cb6c-333ec9f0989c
Customer ID: 0259271d-8ffec-8e5e-0830-c0822c1f5f2b
Expires At: 2019-05-22 03:59:59.999 +0000 UTC
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  Automated Backups
  Automated Upgrades
  Enhanced Read Scalability
  Network Segments
  Redundancy Zone
  Advanced Network Federation
```
## reset

Resets license for the datacenter to the one builtin in Consul binary, if it is still valid. If the builtin license is invalid, the current one stays active.

Usage: `consul license reset [options]`

### API Options

@include 'http_api_options_client.mdx'

@include 'http_api_options_server.mdx'

The output looks like this:

```text
License is valid
License ID: 2afbf681-0d1a-0649-cb6c-333ec9f0989c
Customer ID: 0259271d-8ffc-e85e-0830-c0822c1f5f2b
Expires At: 2019-05-22 03:59:59.999 +0000 UTC
Datacenter: *
Package: premium
Licensed Features:
  Automated Backups
  Automated Upgrades
  Enhanced Read Scalability
  Network Segments
  Redundancy Zone
  Advanced Network Federation
```
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---

layout: api
page_title: License - Operator - HTTP API
sidebar_title: License
description: |
The /operator/license endpoints allow for setting and retrieving the Consul Enterprise License.

---

# License - Operator HTTP API

<EnterpriseAlert />

The licensing functionality described here is available only in [Consul Enterprise](https://www.hashicorp.com/products/consul/) version 1.1.0 and later.

## Getting the Consul License

This endpoint gets information about the current license.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
<th>Produces</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>GET</code></td>
<td><code>/operator/license</code></td>
<td><code>application/json</code></td>
</tr>
</tbody>
</table>

The table below shows this endpoint's support for [blocking queries](/api/features/blocking), [consistency modes](/api/features/consistency), [agent caching](/api/features/caching), and [required ACLs](/api#authentication).

<table>
<thead>
<tr>
<th>Blocking Queries</th>
<th>Consistency Modes</th>
<th>Agent Caching</th>
<th>ACL Required</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>NO</code></td>
<td><code>all</code></td>
<td><code>none</code></td>
<td><code>none</code></td>
</tr>
</tbody>
</table>

### Parameters

- `dc` `(string: "")` - Specifies the datacenter whose license should be retrieved.
  This will default to the datacenter of the agent serving the HTTP request.
This is specified as a URL query parameter.

### Sample Request

```text
$ curl \
  http://127.0.0.1:8500/v1/operator/license
```

### Sample Response

```json
{
  "Valid": true,
  "License": {
    "license_id": "2afbf681-0d1a-0649-cb6c-333ec9f0989c",
    "customer_id": "0259271d-8ffc-e85e-0830-c0822c1f5f2b",
    "installation_id": "*",
    "issue_time": "2018-05-21T20:03:35.911567355Z",
    "start_time": "2018-05-21T04:00:00Z",
    "expiration_time": "2019-05-22T03:59:59.999Z",
    "product": "consul",
    "flags": {
      "package": "premium"
    },
    "features": [
      "Automated Backups",
      "Automated Upgrades",
      "Enhanced Read Scalability",
      "Network Segments",
      "Redundancy Zone",
      "Advanced Network Federation"
    ],
    "temporary": false
  },
  "Warnings": []
}
```

## Updating the Consul License

This endpoint updates the Consul license and returns some of the license contents as well as any warning messages regarding its validity.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
<th>Produces</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>PUT</code></td>
<td><code>/operator/license</code></td>
<td><code>application/json</code></td>
</tr>
</tbody>
</table>
The table below shows this endpoint's support for [blocking queries](/api/features/blocking), [consistency modes](/api/features/consistency), [agent caching](/api/features/caching), and [required ACLs](/api#authentication).

<table>
<thead>
<tr>
<th>Blocking Queries</th>
<th>Consistency Modes</th>
<th>Agent Caching</th>
<th>ACL Required</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>NO</code></td>
<td><code>none</code></td>
<td><code>none</code></td>
<td><code>operator:write</code></td>
</tr>
</tbody>
</table>

### Parameters

- `dc` `(string: "")` - Specifies the datacenter whose license should be updated. This will default to the datacenter of the agent serving the HTTP request. This is specified as a URL query parameter.

### Sample Payload

The payload is the raw license blob.

### Sample Request

```text
$ curl 
  --request PUT 
  --data @consul.license 
  http://127.0.0.1:8500/v1/operator/license 
```

### Sample Response

```json
{
  "Valid": true,
  "License": {
    "license_id": "2afbf681-0d1a-0649-cb6c-333ec9f0989c",
    "customer_id": "0259271d-8ffc-e85e-0830-c0822c1f5f2b",
    "installation_id": "*",
    "issue_time": "2018-05-21T20:03:35.911567355Z",
    "start_time": "2018-05-21T04:00:00Z",
    "expiration_time": "2019-05-22T03:59:59.999Z",
    "product": "consul",
    "flags": {
      "package": "premium"
    },
    "features": [
      "Automated Backups",
      "Automated Upgrades",
```
"Enhanced Read Scalability",
"Network Segments",
"Redundancy Zone",
"Advanced Network Federation"
],
"temporary": false
},
"Warnings": []
}
...

## Resetting the Consul License

This endpoint resets the Consul license to the license included in the Enterprise binary. If the included license is not valid, the replace will fail.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
<th>Produces</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>DELETE</code></td>
<td><code>/operator/license</code></td>
<td><code>application/json</code></td>
</tr>
</tbody>
</table>

The table below shows this endpoint's support for [blocking queries](/api/features/blocking), [consistency modes](/api/features/consistency), [agent caching](/api/features/caching), and [required ACLs](/api#authentication).

<table>
<thead>
<tr>
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<th>Consistency Modes</th>
<th>Agent Caching</th>
<th>ACL Required</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>NO</code></td>
<td><code>none</code></td>
<td><code>none</code></td>
<td><code>operator:write</code></td>
</tr>
</tbody>
</table>

### Parameters

- `dc` `(string: "")` - Specifies the datacenter whose license should be updated. This will default to the datacenter of the agent serving the HTTP request. This is specified as a URL query parameter.

### Sample Request

```text
$ curl \
--request DELETE \
http://127.0.0.1:8500/v1/operator/license
```

### Sample Response

```json
```
"Valid": true,
"License": {
  "license_id": "2afbf681-0d1a-0649-cb6c-333ec9f0989c",
  "customer_id": "0259271d-8f8c-e85e-0830-c0822c1f5f2b",
  "installation_id": "*",
  "issue_time": "2018-05-21T20:03:35.911567355Z",
  "start_time": "2018-05-21T04:00:00Z",
  "expiration_time": "2019-05-22T03:59:59.999Z",
  "product": "consul",
  "flags": {
    "package": "premium"
  },
  "features": [
    "Automated Backups",
    "Automated Upgrades",
    "Enhanced Read Scalability",
    "Network Segments",
    "Redundancy Zone",
    "Advanced Network Federation"
  ],
  "temporary": false
},
"Warnings": []
}
```

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package api

import (  
  "io/ioutil"  
  "strings"  
  "time"  
)

type License struct {  
  // The unique identifier of the license  
  LicenseID string `json:"license_id"`

  // The customer ID associated with the license  
  CustomerID string `json:"customer_id"`
// If set, an identifier that should be used to lock the license to a
// particular site, cluster, etc.
InstallationID string `json:"installation_id"

// The time at which the license was issued
IssueTime time.Time `json:"issue_time"

// The time at which the license starts being valid
StartTime time.Time `json:"start_time"

// The time after which the license expires
ExpirationTime time.Time `json:"expiration_time"

// The time at which the license ceases to function and can
// no longer be used in any capacity
TerminationTime time.Time `json:"termination_time"

// The product the license is valid for
Product string `json:"product"

// License Specific Flags
Flags map[string]interface{} `json:"flags"

// Modules is a list of the licensed enterprise modules
Modules []string `json:"modules"

// List of features enabled by the license
Features []string `json:"features"

}

type LicenseReply struct {
    Valid    bool
    License  *License
    Warnings []string
}

func (op *Operator) LicenseGet(q *QueryOptions) (*LicenseReply, error) {
    var reply LicenseReply
    if _, err := op.c.query("/v1/operator/license", &reply, q); err != nil {
        return nil, err
    } else {
        return &reply, nil
    }
}

func (op *Operator) LicenseGetSigned(q *QueryOptions) (string, error) {
    r := op.c.newRequest("GET", "/v1/operator/license")
r.params.Set("signed", "1")
r.setQueryOptions(q)
_, resp, err := requireOK(op.c.doRequest(r))
if err != nil {
    return "", err
}
defer resp.Body.Close()

data, err := ioutil.ReadAll(resp.Body)
if err != nil {
    return "", err
}
return string(data), nil

// LicenseReset will reset the license to the builtin one if it is still valid.
// If the builtin license is invalid, the current license stays active.
func (op *Operator) LicenseReset(opts *WriteOptions) (*LicenseReply, error) {
    var reply LicenseReply
    r := op.c.newRequest("DELETE", "/v1/operator/license")
    r.setWriteOptions(opts)
    _, resp, err := requireOK(op.c.doRequest(r))
    if err != nil {
        return nil, err
    }
    defer resp.Body.Close()
    if err := decodeBody(resp, &reply); err != nil {
        return nil, err
    }
    return &reply, nil
}

func (op *Operator) LicensePut(license string, opts *WriteOptions) (*LicenseReply, error) {
    var reply LicenseReply
    r := op.c.newRequest("PUT", "/v1/operator/license")
    r.setWriteOptions(opts)
r.body = strings.NewReader(license)
    _, resp, err := requireOK(op.c.doRequest(r))
    if err != nil {
        return nil, err
    }
    defer resp.Body.Close()
    if err := decodeBody(resp, &reply); err != nil {
        return nil, err
    }
    return &reply, nil
}
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>>> aws-aws-sdk-go-aws-master
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>>> docker_libnetwork-fd27f22aa35e3d57f88688f919d05b744f431fd
>>> docker_libtrust-9eb2d1a374f46905c68a4eb3694a130610adc62a
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>>> yaml_v2-4c78c975fe7e825c6d1466c42be594d1d6f3aba6

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>>> agl_ed25519-master
>>> airbrake_gobrake_v2-c9d51ad624b5c41cbf8d8e730a09af4878fffe2d
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>>> api_gensupport-dfa61ae24628a06502b9e2805d983b57e893999b5
>>> api_googoleapi-dfa61ae24628a06502b9e2805d983b57e893999b5
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>>> codegangsta_cli-master
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>>> gorilla_sessions-ca9ada4457453444b00d3f9d9c8559e4ce95f896
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>>> nlopes_slack-f243c7602f9d9062848cf1165284d3a4e4d2d90e
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>>> x_context_trace-a6577fac2d73be281a500b310739095313165611
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>>> d2g_dhcp4client-master
>>> hashicorp_go-cleanhttp-875fb671b3ddc66f8e2f0acc33829c8cb989a38d
>>> hashicorp_memberlist-cef12ad58224d55cf26caa9e3d239c2fcb3432a2

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>>> photon-release-2.0-2.ph2

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>>> curl-7.59.0-4.ph2
>>> expat-2.2.4-1.ph2
>>> iputils-20151218-4.ph2
>>> krb5-1.16-2.ph2
>>> libarchive-3.3.1-2.ph2
>>> libcap-2.25-7.ph2
>>> libdb-5.3.28-1.ph2
>>> libffi-3.2.1-5.ph2
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>>> gcc-6.3.0-7.ph2
>>> iproute2-4.10.0-3.ph2
>>> iptables-1.6.1-4.ph2
>>> linux-esx-4.9.154-1.ph2
>>> logrotate-3.11.0-3.ph2
>>> mingetty-1.08-2.ph2
>>> net-tools-1.60-11.ph2
>>> procps-ng-3.3.15-2.ph2
>>> rpm-4.13.0.2-1.ph2
>>> tdnf-1.2.3-6.ph2
>>> util-linux-2.32-1.ph2

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>>> coreutils-8.27-3.ph2
>>> elfutils-0.169-3.ph2
>>> grep-3.0-4.ph2
>>> gzip-1.8-1.ph2
>>> haveged-1.9.1-4.ph2
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>>> nspr-4.15-1.ph2
>>> nss-3.31.1-1.ph2

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>>> go-openapi_analysis-d5a75b7d751ca3f11ad5d93efe97405f2e3f6a47

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>>> go-openapi_errors-fc3f73a224499b047eda7191e5d22e1e9631e86f

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>>> go-openapi_jsonpointer-779f45308c19820f1a69e9a4cd965f496e0da10f

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```shell
>>> go-openapi_spec-e072eb2390d3a03736a6eb617d30f48369160447
```

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spec-e072eb2390d3a03736a6eb617d30f48369160447.tar.gz/spec-e072eb2390d3a03736a6eb617d30f48369160447.tar/spec-e072eb2390d3a03736a6eb617d30f48369160447/fixtures\expansion\invalid-refs.json
```

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```shell
spec-e072eb2390d3a03736a6eb617d30f48369160447.tar.gz/spec-e072eb2390d3a03736a6eb617d30f48369160447.tar/spec-e072eb2390d3a03736a6eb617d30f48369160447/fixtures\expansion\all-the-things.json
```

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```shell
>>> go-openapi_strfmt-0cb3db44c13bad3b3f567b762a66751972a310cc
```

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>>> golang_glog-23def4e6c14b4da8ac2ed8007337bc5eb5007998

Go support for leveled logs, analogous to https:code.google.comgoogle-glog

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```plaintext
>>> armon_go-metrics-f303b03b91d770a11a39677f1d3b55da4002bbcb

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>>> boltdb_bolt-b514920f8f2e0a68f857e5a12c774f385a59ae9

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>>> cenkalti_backoff-b02f2bbce11d7ea6b97f282ef1771b0fe2f65ef3

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>>> client9_misspell-9a1fc2456ac9e8c9b4cbe9d005b6e7adac0d357f

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>>> codegangsta/inject-33e0aa1cb7c019ccc3f8be049a8262a6403d30504

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>>> codegangsta_cli-master

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>>> cpuguy83_go-md2man_md2man-a65d4d2de4d5f7c74868dfa9b202a3c8be315aaa

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>>> d2g_dhcp4-f0e4d29ff0231dce36e250b2ed9ff08412584bca

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>>> deckarep_golang-set-1f0f4ff8d3f8ef9328522993ce71c35890f67554

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>>> dustin_go-humanize-259d2a102b871d17f30e3cd9881a642961a1e486

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>>> gemnasium_logrus-airbrake-hook_v2-31e6fd4bd5a98d8ee7673d24bc54ec73c31810dd

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>>> gizak_termui-798ffbb9cbbe4073ef1f88e6069ca4a2c6aa6676b

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>>> go-check_check-20d25e2804050c1cd24a7eea1e7a6447dd0e74ec

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>>> go-martini/martini-22fa46961aabd2665cf3f1343b146d20028f5071

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>>> gogoprotobuf_gogoproto-6a92c871a8f5333cf106b2cdf937567208dbb2b7

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protobuf-6a92c871a8f5333cf106b2cdf937567208dbb2b7/codec/codec.go

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>>> goji/param-d7f49fd7d1ed53fd562e737a8b5bbcc7e3d925e2

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>>> golang_lint-cb00e5669539f047b2f4c53a421a01b0c8e172c6

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>>> google_go-querystring_query-53e6ce116135b80d037921a7fdd5138cf32d7a8a

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>>> graylog2_go-gelf_gelf-master

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>>> julienschmidt/httprouter-975b5c4c7c21c0e3d2764200bf2aa8e34657ae6e

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>>> tomb_v1-dd632973f1e7218eb1089048e0798ec9ae7dceeb8

tomb - support for clean goroutine termination in Go.

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>>> ugorji_go_codec-708a42d246822952f38190a8d8c4e6b16a0e600c

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>>> urfave/negroni-ccc4a14984828dcb944e6f17fa4a967b18624f2b

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>>> x_crypto_acme-728b753d0135da6801d45a38e6f43ff55779e5c2

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>>> x_crypto_curve25519-728b753d0135da6801d45a38e6f43ff55779c5c2

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```>>> x_crypto_nacl_secretbox-728b753d0135da6801d45a38e6f43ff55779c5c2

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tools-381149a2d6e5d8f319ccf04bfe71e03a78b868/cmd/present/templates/dir.tmpl
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tools-381149a2d6e5d8f319ccf04bfefc71e03a78b868
godoc\short\short.go

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+build appengine

Package short implements a simple URL shortener, serving an administrative
interface at /s and shortened urls from /s/key.
It is designed to run only on the instance of godoc that serves golang.org.
package short

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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_md5.c
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmind/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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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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Bison implementation for Yacc-like parsers in C


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@version 3.0 (December 2000)

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@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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iptables-1.6.1.tar.bz2\iptables-1.6.1.tar\iptables-1.6.1\extensions\libip6t_HL.c

IPv6 Hop Limit Target module
Maciej Soltysiak <solt@dns.toxicfilms.tv>
Based on HW's ttl target
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iptables-1.6.1.tar.bz2\iptables-1.6.1.tar\iptables-1.6.1\utils\pf.os

SYN signatures. Those signatures work for SYN packets only (duh!).

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```bash
>>> linux-esx-4.9.154-1.ph2
```

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linux-esx-4.9.154-1.ph2.src.rpm\linux-esx-4.9.154-1.ph2.src.cpio\linux-4.9.154.tar.xz\linux-4.9.154.tar\arch\arm\boot\dts\arm-realview-pb1176.dts
```

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```
linux-esx-4.9.154-1.ph2.src.rpm\linux-esx-4.9.154-1.ph2.src.cpio\linux-4.9.154.tar.xz\linux-4.9.154.tar\linux-4.9.154\arch\arm\crypto\aes-armv4.S
```

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his C header file is part of the SoftFloat IEC/IEEE Floating-point Arithmetic Package, Release 2.

Written by John R. Hauser. This work was made possible in part by the International Computer Science Institute, located at Suite 600, 1947 Center Street, Berkeley, California 94704. Funding was partially provided by the National Science Foundation under grant MIP-9311980. The original version of this code was written as part of a project to build a fixed-point vector processor in collaboration with the University of California at Berkeley, overseen by Profs. Nelson Morgan and John Wawrzynek. More information is available through the Web page http://www.jhauser.us/arithmetic/SoftFloat-2b/SoftFloat-source.txt

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Reasonably optimised generic C-code for memcpy on Microblaze
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4.9.154.tar\arch\mips\include\asm\netlogic\xlp-hal\bridge.h

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This code offers a very basic support for this EISA bus present in the SGI Indigo-2. It currently only supports PIO (forget about DMA for the time being). This is enough for a low-end ethernet card, but forget about your favorite SCSI card...

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A more complete resource is the third edition of "Linux Device Drivers" by Jonathan Corbet, Alessandro Rubini, and Greg Kroah-Hartman. LDD3 is available for free (under Creative Commons License) from:

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However, keep in mind that all documents are subject to "bit rot". Refer to the source code if things are not working as described here.

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uuidparse.c --- Interpret uuid encoded information. This program violates the UUID abstraction barrier by reaching into the guts of a UUID.

Based on libuuid/src/uuid_time.c
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-- derivated from coreutils m4/warnings.m4

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Edited 11/10/96 (DD/MM/YY ;-) by Nicolai Langfeldt (janl@math.uio.no)
to read /etc/passwd directly so that passwd, chsh and chfn can work on
machines that run NIS (previously YP). Changes will not be made to
usernames starting with +.

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Usage:
1) get a struct passwd from getpwnam().
You should assume a struct passwd has an infinite number of fields, so
you should not try to create one from scratch.
2) edit the fields you want to edit.
3) call setpwnam() with the edited struct passwd.

A _normal user_ program should never directly manipulate etc/passwd but
/use getpwnam() and (family, as well as) setpwnam().

But, setpwnam was made to _edit_ the password file. For use by chfn,
chsh and passwd. _I_ _HAVE_ to read and write /etc/passwd directly. Let
those who say nay be forever silent and think about how getpwnam (and
family) works on a machine running YP.

Added checks for failure of malloc() and removed error reporting to
stderr, this is a library function and should not print on the screen,
but return appropriate error codes.
27-Jan-97 - poe@daimi.aau.dk

Thanks to "two guys named Ian".

$Author: poer $
$Revision: 1.13 $
$Date: 1997/06/23 08:26:29 $

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Python bindings for the libmount library.

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Written by Ondrej Oprala and Karel Zak

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A Bison parser, made by GNU Bison 3.0.4.

Bison interface for Yacc-like parsers in C


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/B Bison implementation for Yacc-like parsers in C


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(Mostly) portable public-domain implementation -- D A Gwyn

This implementation of the PWB library alloca function, which is used to allocate space off the run-time stack so that it is automatically reclaimed upon procedure exit, was inspired by discussions with J. Q. Johnson of Cornell. J.Otto Tennant <jot@cray.com> contributed the Cray support.

There are some preprocessor constants that can be defined when compiling for your specific system, for improved efficiency; however, the defaults should be okay.

The general concept of this implementation is to keep track of all alloca-allocated blocks, and reclaim any that are found to be deeper in the stack than the current invocation. This heuristic does not reclaim storage as soon as it becomes invalid, but it will do so eventually.

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alloca.c -- allocate automatically reclaimed memory
(Mostly) portable public-domain implementation -- D A Gwyn

This implementation of the PWB library alloca function,
which is used to allocate space off the run-time stack so
that it is automatically reclaimed upon procedure exit,
was inspired by discussions with J. Q. Johnson of Cornell.
J.Otto Tennant <jot@cray.com> contributed the Cray support.

There are some preprocessor constants that can
be defined when compiling for your specific system, for
improved efficiency; however, the defaults should be okay.
The general concept of this implementation is to keep track of all alloca-allocated blocks, and reclaim any that are found to be deeper in the stack than the current invocation. This heuristic does not reclaim storage as soon as it becomes invalid, but it will do so eventually.

As a special case, alloca(0) reclaims storage without allocating any. It is a good idea to use alloca(0) in your main control loop, etc. to force garbage collection.

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Heavily modified for GnuPG by Werner Koch

/  

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DRBG: Deterministic Random Bits Generator
Based on NIST Recommended DRBG from NIST SP800-90A with the following properties:
CTR DRBG with DF with AES-128, AES-192, AES-256 cores
Hash DRBG with DF with SHA-1, SHA-256, SHA-384, SHA-512 cores
HMAC DRBG with DF with SHA-1, SHA-256, SHA-384, SHA-512 cores
with and without prediction resistance

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3.31.1\nss\cmd\libpkix\pkix_pl\module\test_socket.c

Test Socket Type

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

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

<program> Copyright (C) <year> <name of author>

This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.

This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `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".

You should also get your employer (if you work as a programmer) or school,
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For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

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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 specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, not
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To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

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

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.
(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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.

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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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library ‘Frob’ (a library for tweaking knobs) written by James Random Hacker.

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That's all there is to it!

------------------ SECTION 5: GNU Lesser General Public License, V2.1 ------------

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

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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
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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
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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be combined with the library in order to run.
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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
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Version 1.1 - 26 February 2007
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Bits of Go-lang's `once.Do()` were cribbed and reused here, too.

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// no documentation yet

type Legal_RegulatedWorkload struct {
    Entity

    // no documentation yet
    Account *Account `json:"account,omitempty" xmlrpc:"account,omitempty"`

    // no documentation yet
    AccountId *int `json:"accountId,omitempty" xmlrpc:"accountId,omitempty"`

    // no documentation yet
    EnabledFlag *bool `json:"enabledFlag,omitempty" xmlrpc:"enabledFlag,omitempty"`

    // no documentation yet
    Id *int `json:"id,omitempty" xmlrpc:"id,omitempty"`

    // no documentation yet
    Type *Legal_RegulatedWorkload_Type `json:"type,omitempty" xmlrpc:"type,omitempty"`

    // no documentation yet
    WorkloadTypeId *int `json:"workloadTypeId,omitempty" xmlrpc:"workloadTypeId,omitempty"`
}

// no documentation yet
type Legal_RegulatedWorkload_Type struct {
    Entity

    // no documentation yet
    Id *int `json:"id,omitempty" xmlrpc:"id,omitempty"`
KeyName *string `json:"keyName,omitempty" xmlrpc:"keyName,omitempty"`

Name *string `json:"name,omitempty" xmlrpc:"name,omitempty"

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Protocol Buffers for Go with Gadgets

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* /opt/cola/permits/1125279545_1611280944.99/0/cglib-2-2-0-b10-sources-jar/net/sf/cglib/transform/impl/AbstractInterceptFieldCallback.java
* /opt/cola/permits/1125279545_1611280944.99/0/cglib-2-2-0-b10-sources-jar/net/sf/cglib/beans/BulkBean.java
* /opt/cola/permits/1125279545_1611280944.99/0/cglib-2-2-0-b10-sources-jar/net/sf/cglib/proxy/LazyLoader.java

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* /opt/cola/permits/1125279545_1611280944.99/0/cglib-2-2-0-b10-sources-jar/net/sf/cglib/proxy/callback/Callback.java
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jar/org/springframework/security/acls/domain/GrantedAuthoritySid.java
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* /opt/cola/permits/1114224794_1607455091.57/0/spring-security-acl-3-2-4-release-sources-jar/org/springframework/security/acls/domain/AccessControlEntryImpl.java
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1.149 python3-5-minimal 3.5.2-
2ubuntu0~16.04.12

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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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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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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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1.151 libkmod 22 1ubuntu5.2

1.152 python-dateutil 2.8.1

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1.153 paranamer 2.5.6

1.154 json 20180813
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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

  * javax.servlet:javax.servlet-api
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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
org.apache.tomcat:tomcat-juli
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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.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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Upstream source:
ftp.gnu.org/pub/gnu/readline/readline-4.3.tar.gz.

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jar/org/springframework/beans/propertyeditors/PatternEditor.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-
jar/org/springframework/beans/factory/ManagedProperties.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-
jar/org/springframework/beans/factory/parsing/ConstructorArgumentEntry.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-
jar/org/springframework/beans/factory/parsing/SourceExtractor.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-
jar/org/springframework/beans/factory/support/ManagedMap.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-
jar/org/springframework/beans/factory/config/ProviderCreatingFactoryBean.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-
jar/org/springframework/beans/factory/config/BeanReference.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-
jar/org/springframework/beans/propertyeditors/ClassEditor.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-
jar/org/springframework/beans/factory/support/SingletonBeanFactoryLocator.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-
jar/org/springframework/beans/factory/access/SingletonBeanFactoryLocator.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-
jar/org/springframework/beans/allclasses-net.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-
jar/org/springframework/beans/support/SortDefinition.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-
jar/org/springframework/beans/factory/xml/NamespaceHandler.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-
jar/org/springframework/beans/factory/config/ProviderCreatingFactoryBean.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-
jar/org/springframework/beans/factory/config/BeanReference.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-
jar/org/springframework/beans/factory/wiring/ClassNameBeanWiringInfoResolver.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-
jar/org/springframework/beans/factory/support/BeanDefinitionValidationException.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-
jar/org/springframework/beans/propertyeditors/CharsetEditor.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-
jar/org/springframework/beans/propertyeditors/CustomNumberEditor.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-
jar/org/springframework/beans/factory/xml/DocumentLoader.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-
jar/org/springframework/beans/factory/annotation/Required.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-
jar/org/springframework/beans/factory/parsing/FailFastProblemReporter.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-
jar/org/springframework/beans/factory/xml/XmlBeanDefinitionStoreException.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-
jar/org/springframework/beans/factory/parsing/NullSourceExtractor.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-
jar/org/springframework/beans/factory/config/BeanFactoryPostProcessor.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-
jar/org/springframework/beans/factory/parsing/PropertyEntry.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-
jar/org/springframework/beans/factory/support/ManagedList.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-
jar/org/springframework/beans/factory/parsing/AliasDefinition.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-
jar/org/springframework/beans/factory/config/PreferencesPlaceholderConfigurer.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-
jar/org/springframework/beans/propertyeditors/LocaleEditor.java

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* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-jar/org/springframework/beans/CachedIntrospectionResults.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-jar/org/springframework/beans/factory/parsing/ReaderContext.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-jar/org/springframework/beans/factory/config/AbstractNestablePropertyAccessor.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-jar/org/springframework/beans/factory/config/InstantiationAwareBeanPostProcessor.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-jar/org/springframework/beans/factory/config/ServiceLocatorFactoryBean.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-jar/org/springframework/beans/factory/config/BeanDefinition.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-jar/org/springframework/beans/factory/parsing/Problem.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-jar/org/springframework/beans/factory/config/SetFactoryBean.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-jar/org/springframework/beans/factory/config/BeanFactory.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-jar/org/springframework/beans/factory/xml/AbstractBeanDefinitionParser.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-jar/org/springframework/beans/factory/support/BeanDefinitionBuilder.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-jar/org/springframework/beans/factory/support/BeanDefinitionBuilder.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-jar/org/springframework/beans/factory/support/GenericTypeAwareAutowireCandidateResolver.java
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* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-jar/org/springframework/beans/factory/serviceloader/AbstractServiceLoaderBasedFactoryBean.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-jar/org/springframework/beans/factory/support/BeanNameGenerator.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-jar/org/springframework/beans/factory/support/ServiceLoaderFactoryBean.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-jar/org/springframework/beans/factory/parsing/ReaderEventListener.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-jar/org/springframework/beans/factory/parsing/DefaultsDefinition.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-jar/org/springframework/beans/factory/serviceloader/ServiceFactoryBean.java
* /opt/cola/permits/1112362157_1607072366.13/0/spring-beans-4-3-19-release-sources-jar/org/springframework/beans/PropertyValuesEditor.java

1.163 libatm 1:2.5.1-1.5
1.163.1 Available under license:

This package was debianized by Russell Coker <russell@coker.com.au> on
Fri, 24 Aug 2001 16:11:12 +0200 and is now maintained by Marc Haber
<mh+debian-packages@zugschlus.de>.

It was downloaded from http://www.sourceforge.net/projects/linux-atm/

See also http://linux-atm.sourceforge.net/dist.php

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1.164 libldap 2.4.42+dfsg-2ubuntu3.11

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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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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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* 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>
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1.165 python 2.7.12-1ubuntu0~16.04.13

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

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Eclipse

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

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

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

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Oracle

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

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

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Oracle OpenJDK

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

* java.sun.security.ssl

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

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OW2

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

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

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Apache

The following artifacts are ASL2 licensed.

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

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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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1.167 commons-dbcp 2.0.1

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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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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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* /opt/cola/permits/1111264090_1606893107.87/0/spring-web-3-2-8-release-sources-1-
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* /opt/cola/permits/1111264090_1606893107.87/0/spring-web-3-2-8-release-sources-1-
  jar/org/springframework/web/util/HierarchicalUriComponents.java
* /opt/cola/permits/1111264090_1606893107.87/0/spring-web-3-2-8-release-sources-1-
  jar/org/springframework/http/converter/json/MappingJackson2HttpMessageConverter.java
* /opt/cola/permits/1111264090_1606893107.87/0/spring-web-3-2-8-release-sources-1-
  jar/org/springframework/context/request/NativeWebRequest.java
* /opt/cola/permits/1111264090_1606893107.87/0/spring-web-3-2-8-release-sources-1-
  jar/org/springframework/http/converter/support/AllEncompassingFormHttpMessageConverter.java
* /opt/cola/permits/1111264090_1606893107.87/0/spring-web-3-2-8-release-sources-1-
  jar/org/springframework/http/converter/xml/XmlAwareFormHttpMessageConverter.java
* /opt/cola/permits/1111264090_1606893107.87/0/spring-web-3-2-8-release-sources-1-
  jar/org/springframework/http/client/SimpleBufferingClientHttpRequest.java
* /opt/cola/permits/1111264090_1606893107.87/0/spring-web-3-2-8-release-sources-1-
* /opt/cola/permits/1111264090_1606893107.87/0/spring-web-3-2-8-release-sources-1-

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* /opt/cola/permits/1111264090_1606893107.87/0/spring-web-3-2-8-release-sources-1-
  jar/org/springframework/web/filter/CommonsRequestLoggingFilter.java
* /opt/cola/permits/1111264090_1606893107.87/0/spring-web-3-2-8-release-sources-1-
  jar/org/springframework/remoting/httpinvoker/HttpInvokerRequestExecutor.java
* /opt/cola/permits/1111264090_1606893107.87/0/spring-web-3-2-8-release-sources-1-
  jar/org/springframework/web/filter/ServletContextRequestLoggingFilter.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/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/MissingServletRequestPartException.java
* /opt/cola/permits/1111264090_1606893107.87/0/spring-web-3-2-8-release-sources-1-
  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
* /opt/cola/permits/1111264090_1606893107.87/0/spring-web-3-2-8-release-sources-1-
  jar/org/springframework/web/multipart/support/MissingServletRequestPartException.java
* /opt/cola/permits/1111264090_1606893107.87/0/spring-web-3-2-8-release-sources-1-
  jar/org/springframework/http/client/ClientHttpRequestExecution.java
* /opt/cola/permits/1111264090_1606893107.87/0/spring-web-3-2-8-release-sources-1-
  jar/org/springframework/web/context/support/ServletConfigPropertySource.java
* /opt/cola/permits/1111264090_1606893107.87/0/spring-web-3-2-8-release-sources-1-
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* /opt/cola/permits/1111264090_1606893107.87/0/spring-web-3-2-8-release-sources-1.jar/org/springframework/http/HttpHeaders.java

1.170 json4s-core 3.2.5
1.171 jackson-core 2.10.4

1.171.1 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
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It is currently developed by a community of developers, as well as supported
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1.172 aiofiles 0.5.0

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1.173 error_prone_annotations 2.1.3

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1.174 jackson-jaxrs 2.7.9

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1.175 python-meld3 1.0.2 2

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- Tres Seaver, 2006-02-09

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 * </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>
 * <p>
 * @param knownSuffixes a set of suffixes that cannot be wild-carded, e.g. { ".com", ".net", ".org" }
 * */

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1.177 libgnutls 3.4.10-4ubuntu1.8

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########################################################################
## Constant-time SSSE3 AES core implementation.
## version 0.1
##
## By Mike Hamburg (Stanford University), 2009
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##
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Redesign and implementation of the buffering layer.
Initial DTLS implementation.

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   src/udev/net/ethtool-util.c
   src/udev/net/ethtool-util.h
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1.190 libc 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 @@
 /* Don't #warn about _BSD_SOURCE || _SVID_SOURCE, as it breaks -Werror
    # warning "_BSD_SOURCE and _SVID_SOURCE are deprecated, use _DEFAULT_SOURCE"
   */
+# undef _DEFAULT_SOURCE
+
"_BSD_SOURCE and _SVID_SOURCE are deprecated, use _DEFAULT_SOURCE"
+ 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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1.191 libfile-fcntllock-perl 0.22 3

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1.192 libheimntlmheimdal
1.7~git20150920+dfsg 4ubuntu1.16.04.1
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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<poptest@nettlesome.berkeley.edu
UC Berkeley

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 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/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 kadmint.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

Open Source Used In DNAC System Engineering fury 3871
For more details, see <http://bugs.debian.org/276402>.

-- Brian May <bam@debian.org>, Wed, 8 Dec 1999 11:54:13 +1100

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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.

-- 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

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@end macro
@vskip 20pt plus 1fil
@end macro

@macro copyrightstart{}
@end macro

@macro copyrightend{}
@end macro

@node Copyrights and Licenses, , Acknowledgments, Top
@comment node-name, next, previous, up
@appendix Copyrights and Licenses

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<td></td>
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@version 3.0 (December 2000)
Optimised ANSI C code for the Rijndael cipher (now AES)

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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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lib/hcrypto/test_dh.c

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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 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 ksrutil 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 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()/strchr().

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:
maketu() 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 "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",
"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
~<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_GETTTYTAB #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()/cgetospeed() 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 syntax 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:

> *** 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):

TIOCEXTT

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 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 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.
LibTomMath is hereby released into the Public Domain.

-- Tom St Denis

1.193 spring-framework 4.3.19.RELEASE
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1.195 slf4j-log4j 1.7.1

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 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1020114678_1594205356.94/0/slf4j-log4j12-1-7-1-sources.jar/org/slf4j/impl/Log4jMDCAdapter.java
* /opt/ws_local/PERMITS_SQL/1020114678_1594205356.94/0/slf4j-log4j12-1-7-1-sources.jar/org/slf4j/impl/StaticMDCBinder.java
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1.203 cert-validator 1.5.5

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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:

```python
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
   
   ```python
   { "https" : <https_proxy_url",
   "http"  : <http_proxy_url"
   }
   ``

+ Exception handelling: socket error for connection

Found in path(s):
* /opt/cola/permits/1124962236_1611254838.76/0/cert-validator-1.5.5-dist-info-
zip/licenseservice_extracted/cert_validator-1.5.5-py3-none-any.whl_extracted/cert_validator-1.5.5.dist-
info/METADATA

1.204 urllib3 1.24.3
1.204.1 Available under license :
# 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 <nicholas.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

* 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 <moinl8@gmail.com>
* Lazily load idna package

* Tom White <s6yg1ez3@mail2tor.com>
* Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.

* Tim Burke <tim.burke@gmail.com>
* Stop buffering entire deflate-encoded responses.

* Tuukka Mustonen <tuukka.mustonen@gmail.com>
* Add counter for status_forcelist retries.

* Erik Rose <erik@mozilla.com>
* Bugfix to pyopenssl vendoring

* 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@itiakos.gr>
* Fix `util.selectors._fileobj_to_fd` to accept `long`.
* Update appveyor tox setup to use the 64bit python.

* Akamai (through Jesse Shapiro) <jshapiro@akamai.com>
* Ongoing maintenance

* Dominique Leuenberger <dimstar@opensuse.org>
* Minor fixes in the test suite
* Will Bond <will@wbond.net>
  * Add Python 2.6 support to `contrib.securetransport`

* Aleksei Alekseev <alekseev.yeskela@gmail.com>
  * using auth info for socks proxy

* Chris Wilcox <git@crwilcox.com>
  * Improve contribution guide
  * Add `HTTPResponse.geturl` method to provide `urllib2.urlopen().geturl()` behavior

* 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]

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Theodore Ts'o
23-June-2007

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Gadi Oxman, August 1995

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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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** NOTE! The following LGPL license applies to the tdb
** library. This does NOT imply that all of Samba is released
#
# 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.
#
# BSIDLIB_VERSION = 1.0
# BSIDLIB_IMAGE = libce
# BSIDLIB_MYDIR = et
# BSIDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic
BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$BSD_LIB

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

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

install-strip: install

install-shlibs-strip: install-shlibs

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

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

This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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>.

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

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

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

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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:
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/**
* <code>Transliterator</code> is an abstract class that transliterates text from one format to another. The most
* kind of transliterator is a script, or alphabet, transliterator. For example, a Russian to Latin transliterator
* changes Russian text written in Cyrillic characters to phonetically equivalent Latin characters. It does not
* <em>translate</em> Russian to English! Transliteration, unlike translation, operates on characters, without reference
* to the meanings of words and sentences.
*
* Although script conversion is its most common use, a transliterator can actually perform a more general class of
* tasks. In fact, <code>Transliterator</code> defines a very general API which specifies only that a segment of the
* input text is replaced by new text. The particulars of this conversion are determined entirely by subclasses of
* <code>Transliterator</code>.
*
* Transliterators are stateless
*
* <code>Transliterator</code> objects are <em>stateless</em>; they retain no information between calls to
* <code>transliterate()</code>. As a result, threads may share transliterators without synchronizing them. This might
* seem to limit the complexity of the transliteration operation. In practice, subclasses perform complex
* transliterations by delaying the replacement of text until it is known that no other replacements are possible. In
* other words, although the <code>Transliterator</code> objects are stateless, the source text itself embodies all the
* needed information, and delayed operation allows arbitrary complexity.
*
* Batch transliteration
*
* The simplest way to perform transliteration is all at once, on a string of existing text. This is referred to as
* <em>batch</em> transliteration. For example, given a string <code>input</code> and a transliterator
* <code>t</code>,
* the call
* *
* will transliterate it and return the result. Other methods allow the client to specify a substring to be
* transliterated and to use { @link Replaceable } objects instead of strings, in order to preserve out-of-band
* information (such as text styles).
*
* Keyboard transliteration
*
* Somewhat more involved is <em>keyboard</em>, or incremental transliteration. This is the transliteration of text that
* is arriving from some source (typically the user's keyboard) one character at a time, or in some other piecemeal
In keyboard transliteration, a `<code>Replaceable</code>` buffer stores the text. As text is inserted, as much as possible is transliterated on the fly. This means a GUI that displays the contents of the buffer may show text being modified as each new character arrives.

Consider the simple `<code>RuleBasedTransliterator</code>`:

```html
<code>
th&gt;{theta}
t&gt;{tau}
</code>
```

When the user types 't', nothing will happen, since the transliterator is waiting to see if the next character is 'h'. To remedy this, we introduce the notion of a cursor, marked by a '↑' in the output string:

```html
<code>
t&gt;↑{tau}
{tau}h&gt;{theta}
</code>
```

Now when the user types 't', tau appears, and if the next character is 'h', the tau changes to a theta. This is accomplished by maintaining a cursor position (independent of the insertion point, and invisible in the GUI) across calls to `<code>transliterate()</code>`. Typically, the cursor will be coincident with the insertion point, but in a case like the one above, it will precede the insertion point.

Keyboard transliteration methods maintain a set of three indices that are updated with each call to `<code>transliterate()</code>`, including the cursor, start, and limit. These indices are changed by the method, and they are passed in and out via a Position object. The `<code>start</code>` index marks the beginning of the substring that the transliterator will look at. It is advanced as text becomes committed (but it is not the committed index; that's the `<code>cursor</code>` index). The `<code>cursor</code>` index, described above, marks the point at which the transliterator last stopped, either because it reached the end, or because it required more characters to disambiguate between possible inputs. The `<code>cursor</code>` can also be explicitly set by rules in a `<code>RuleBasedTransliterator</code>`.

Any characters before the `<code>cursor</code>` index are frozen; future keyboard transliteration calls within this input sequence will not change them. New text is inserted at the `<code>limit</code>` index, which marks the end of the substring that the transliterator looks at.

Because keyboard transliteration assumes that more characters are to arrive, it is conservative in its operation. It only transliterates when it can do so unambiguously. Otherwise it waits for more characters to arrive. When the client code knows that no more characters are forthcoming, perhaps because the user has performed some input termination operation, then it should call `<code>finishTransliteration()</code>` to complete any pending...
* transliterations.
* <p>
* <b>Inverses</b>
* <p>
* Pairs of transliterators may be inverses of one another. For example, if transliterator <b>A</b> transliterates characters by incrementing their Unicode value (so "abc" -> "def"), and transliterator <b>B</b> decrements character values, then <b>A</b> is an inverse of <b>B</b> and vice versa. If we compose <b>A</b> with <b>B</b> in a compound transliterator, the result is the identity transliterator, that is, a transliterator that does not change its input text.
* <p>
* The <code>Transliterator</code> method <code>getInverse()</code> returns a transliterator's inverse, if one exists, or <code>null</code> otherwise. However, the result of <code>getInverse()</code> usually will not be a true mathematical inverse. This is because true inverse transliterators are difficult to formulate. For example, consider two transliterators: <b>AB</b>, which transliterates the character 'A' to 'B', and <b>BA</b>, which transliterates 'B' to 'A'. It might seem that these are exact inverses, since
* 
* "A" x <b>AB</b> -> "B"
* "B" x <b>BA</b> -> "A"
* 
* where 'x' represents transliteration. However,
* 
* "ABCD" x <b>AB</b> -> "BBCD"
* "BBCD" x <b>BA</b> -> "AACD"
* 
* so <b>AB</b> composed with <b>BA</b> is not the identity. Nonetheless, <b>BA</b> may be usefully considered to be <b>AB</b>'s inverse, and it is on this basis that <b>AB</b><code>.getInverse()</code> could legitimately return <b>BA</b>.
* <p>
* <p>
* <b>Filtering</b>
* <p>Each transliterator has a filter, which restricts changes to those characters selected by the filter. The filter affects just the characters that are changed -- the characters outside of the filter are still part of the context for the filter. For example, in the following even though 'x' is filtered out, and doesn't convert to y, it does affect the conversion of 'a'.
* <p>
* String rules = \\
* Transliterator tempTrans = Transliterator.createFromRules(rules, Transliterator.FORWARD);
* tempTrans.setFilter(new UnicodeSet("[a]"));
* String tempResult = tempTrans.transform("xa");
* // results in "xb"
<p>IDs and display names</p>

A transliterator is designated by a short identifier string or ID. IDs follow the format <em>source-destination</em>, where <em>source</em> describes the entity being replaced, and <em>destination</em> describes the entity replacing <em>source</em>. The entities may be the names of scripts, particular sequences of characters, or whatever else it is that the transliterator converts to or from. For example, a transliterator from Russian to Latin might be named "Russian-Latin". A transliterator from keyboard escape sequences to Latin-1 characters might be named "KeyboardEscape-Latin1". By convention, system entity names are in English, with the initial letters of words capitalized; user entity names may follow any format so long as they do not contain dashes.

In addition to programmatic IDs, transliterator objects have display names for presentation in user interfaces, returned by <code>@link #getDisplayName</code>. Factory methods and registration

In general, client code should use the factory method <code>getInstance()</code> to obtain an instance of a transliterator given its ID. Valid IDs may be enumerated using <code>getAvailableIDs()</code>. Since transliterators are stateless, multiple calls to <code>getInstance()</code> with the same ID will return the same object.

In addition to the system transliterators registered at startup, user transliterators may be registered by calling <code>registerInstance()</code> at run time. To register a transliterator subclass without instantiating it (until it is needed), users may call <code>registerClass()</code>. Composed transliterators

In addition to built-in system transliterators like "Latin-Greek", there are also built-in composed transliterators. These are implemented by composing two or more component transliterators. For example, if we have scripts "A", "B", "C", and "D", and we want to transliterate between all pairs of them, then we need to write 12 transliterators: "A-B", "A-C", "A-D", "B-A", "B-D", "D-A", "D-B", "D-C". If it is possible to convert all scripts to an intermediate script "M", then instead of writing 12 rule sets, we only need to write 8: "A~M", "B~M", "C~M", "D~M", "M~A", "M~B", "M~C", "M~D". (This might not seem like a big win, but it's really 2^n vs. n^2 - n, so as n gets larger the gain becomes significant. With 9 scripts, it's 18 vs. 72.
* rule sets, a big difference.) Note the use of "~" rather than "." for the script separator here; this indicates that
* the given transliterator is intended to be composed with others, rather than be used as is.

* <p>
* Composed transliterators can be instantiated as usual. For example, the system transliterator "Devanagari-
Gujarati"
* is a composed transliterator built internally as "Devanagari-InterIndic;InterIndic-Gujarati". When this
* transliterator is instantiated, it appears externally to be a standard transliterator (e.g., getID() returns
* "Devanagari-Gujarati").

* <p>
* <b>Subclassing</b>

* <p>
* Subclasses must implement the abstract method <code>handleTransliterate()</code>.

* <p>
* Subclasses should override the <code>transliterate()</code> method taking a <code>Replaceable</code> and the
* <code>transliterate()</code> method taking a <code>String</code> and <code>StringBuffer</code> if the
* performance of
* these methods can be improved over the performance obtained by the default implementations in this class.

* <p>
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* <p>
* @author Alan Liu
* @stable ICU 2.0
*

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* Author: Alan Liu
* Created: September 4 2003
* Since: ICU 2.8
**********************************************************************
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   *
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   *
   * C++ version created on: 2013feb09
   * created by: Markus W. Scherer
   */

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*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/ICUConfig.java
No license file was found, but licenses were detected in source scan.

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*/
Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/RBNFPostProcessor.java
No license file was found, but licenses were detected in source scan.

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*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/NumberingSystem.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/util/IlIformedLocaleException.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/CurrencyData.java
No license file was found, but licenses were detected in source scan.
Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/util/BuddhistCalendar.java
No license file was found, but licenses were detected in source scan.

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/SelectFormat.java
No license file was found, but licenses were detected in source scan.

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/URLHandler.java
No license file was found, but licenses were detected in source scan.

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/CompactDecimalDataCache.java
No license file was found, but licenses were detected in source scan.
* Copyright (C) 1996-2004, International Business Machines Corporation and  *
* others. All Rights Reserved.                                      *
*******************************************************************************
*/
/**
* <code>Replaceable</code> is an interface representing a
* string of characters that supports the replacement of a range of
* itself with a new string of characters. It is used by APIs that
* change a piece of text while retaining metadata. Metadata is data
* other than the Unicode characters returned by char32At(). One
* example of metadata is style attributes; another is an edit
* history, marking each character with an author and revision number.
*
* <p>An implicit aspect of the <code>Replaceable</code> API is that
* during a replace operation, new characters take on the metadata of
* the old characters. For example, if the string "the <b>bold</b> font"
* has range (4, 8) replaced with "strong", then it becomes "the
* <b>strong</b> font".
*
* <p><code>Replaceable</code> specifies ranges using a start
* offset and a limit offset. The range of characters thus specified
* includes the characters at offset start..limit-1. That is, the
* start offset is inclusive, and the limit offset is exclusive.
*
* <p><code>Replaceable</code> also includes API to access characters
* in the string: <code>length()</code>, <code>charAt()</code>,
* <code>char32At()</code>, and <code>extractBetween()</code>.  
*
* <p>For a subclass to support metadata, typical behavior of
* <code>replace()</code> is the following:
* <ul>
*   <li>Set the metadata of the new text to the metadata of the first
*       character replaced</li>
*   <li>If no characters are replaced, use the metadata of the
*       previous character</li>
*   <li>If there is no previous character (i.e. start == 0), use the
*       following character</li>
*   <li>If there is no following character (i.e. the replaceable was
*       empty), use default metadata</li>
*   <li>If the code point U+FFFF is seen, it should be interpreted as
*       a special marker having no metadata</li>
* </ul>
* <p>Copyright &copy; IBM Corporation 1999. All rights reserved.
* 
* @author Alan Liu
* @stable ICU 2.0
*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/Replaceable.java
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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/RuleBasedBreakIterator.java
No license file was found, but licenses were detected in source scan.

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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/LocaleIDs.java
No license file was found, but licenses were detected in source scan.

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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/StringRange.java
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*/
Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/RBBITableBuilder.java
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*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/duration/PeriodBuilder.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/duration/PeriodFormatterFactory.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/duration/DurationFormatter.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/duration/Period.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/duration/TimeUnit.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/duration/TimeUnitConstants.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/duration/impl/RecordWriter.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/duration/impl/RecordReader.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/duration/impl/RecordReader.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/duration/impl/RecordReader.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/duration/impl/RecordReader.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/duration/impl/RecordReader.java
No license file was found, but licenses were detected in source scan.

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*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/ResourceBundleWrapper.java
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*
Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/Transform.java
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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/math/BigDecimal.java
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*******************************************************************************/
*
*******************************************************************************/
/*
*******************************************************************************/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/InvalidFormatException.java
No license file was found, but licenses were detected in source scan.

/*****************************************************************************/
*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/coll/CollationSettings.java
No license file was found, but licenses were detected in source scan.

/*
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*******************************************************************************/
* CollationSettings.java, ported from collationsettings.h/.cpp
* 
* C++ version created on: 2013feb07
* created by: Markus W. Scherer
*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/coll/CollationSettings.java
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*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/TimeZoneNamesFactoryImpl.java
No license file was found, but licenses were detected in source scan.

/*******************************************************************************
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*******************************************************************************
*/
/** *
* <p>&lt;icuenhanced java.text.DateFormatSymbols&gt;&lt;/code&gt; is a public class for encapsulating *
* localizable date-time formatting data, such as the names of the *
* months, the names of the days of the week, and the time zone data. *
* &lt;code&gt;DateFormat&lt;/code&gt; and &lt;code&gt;SimpleDateFormat&lt;/code&gt; both use *
* &lt;code&gt;DateFormatSymbols&lt;/code&gt; to encapsulate this information. *
* 
* &lt;p&gt;Typically you shouldn't use &lt;code&gt;DateFormatSymbols&lt;/code&gt; directly. *
* Rather, you are encouraged to create a date-time formatter with the *
* &lt;code&gt;DateFormat&lt;/code&gt; class's factory methods: &lt;code&gt;getTimeInstance&lt;/code&gt;, *
* &lt;code&gt;getDateTimeInstance&lt;/code&gt;, or &lt;code&gt;getDateTimeInstance&lt;/code&gt;.
* These methods automatically create a &lt;code&gt;DateFormatSymbols&lt;/code&gt; for *
* the formatter so that you don't have to. After the *
* formatter is created, you may modify its format pattern using the *
* &lt;code&gt;setPattern&lt;/code&gt; method. For more information about *
* creating formatters using &lt;code&gt;DateFormat&lt;/code&gt;'s factory methods, *
* see [@link DateFormat]. *
* 
* &lt;p&gt;If you decide to create a date-time formatter with a specific *
* format pattern for a specific locale, you can do so with: *
* &lt;blockquote&gt *
* &lt;pre&gt *
* new SimpleDateFormat(aPattern, new DateFormatSymbols(aLocale)). *
* &lt;/pre&gt *
* &lt;/blockquote&gt *
* 
* &lt;p&gt;&lt;code&gt;DateFormatSymbols&lt;/code&gt; objects are clonable. When you obtain *
* a &lt;code&gt;DateFormatSymbols&lt;/code&gt; object, feel free to modify the *
* date-time formatting data. For instance, you can replace the localized *
* date-time format pattern characters with the ones that you feel easy
to remember. Or you can change the representative cities
* to your favorite ones.
*
* <p>New <code>DateFormatSymbols</code> subclasses may be added to support
* <code>SimpleDateFormat</code> for date-time formatting for additional locales.
*
* @see          DateFormat
* @see          SimpleDateFormat
* @see          com.ibm.icu.util.SimpleTimeZone
* @author       Chen-Lieh Huang
* @stable ICU 2.0
*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/DateFormatSymbols.java

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*
Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/DictionaryMatcher.java

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*
Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/LocaleDisplayNamesImpl.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/CurrencyDisplayNames.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/LocaleDisplayNames.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/CurrencyMetaInfo.java

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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/DisplayContext.java
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*******************************************************************************

Hashing implementation functions. FNV hash. Respected public domain algorithm.

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/Trie2.java
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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/lang/CharSequences.java
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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/Quantifier.java
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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources.jar/com/ibm/icu/impl/duration/impl/YMDDateFormatter.java
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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources.jar/com/ibm/icu/text/ChineseDateFormat.java
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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources.jar/com/ibm/icu/impl/duration/BasicPeriodFormatterService.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources.jar/com/ibm/icu/impl/duration/impl/XMLRecordWriter.java
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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources.jar/com/ibm/icu/impl/AnnualTimeRule.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources.jar/com/ibm/icu/impl/TimeArrayRule.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources.jar/com/ibm/icu/impl/TimeZoneRule.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources.jar/com/ibm/icu/impl/TimeArrayTimeRule.java
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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/Norm2AllModes.java
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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/AlphabeticIndex.java
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Found in path(s):
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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/data/HolidayBundle_it.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/data/HolidayBundle_da.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/data/HolidayBundle_es.java
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/*
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***************************************************************
* SharedObject.java, ported from sharedobject.h/.cpp
*
* C++ version created on: 2013dec19
* created by: Markus W. Scherer
*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/coll/SharedObject.java
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*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/CharsetRecog_mbcs.java
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 */

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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/CjkBreakEngine.java
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 * ***************************************************************************
 * Date Name Description
 * 01/14/2002 aliu Creation.
 * ***************************************************************************/ 

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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/FunctionReplacer.java
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Found in path(s):
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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-
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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/TimeZoneAdapter.java

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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/ICUData.java

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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/coll/CollationWeights.java

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Found in path(s):
  * /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/Punycode.java
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*/

Found in path(s):
  * /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/SimpleCache.java
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Found in path(s):
  * /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/NameUnicodeTransliterator.java
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/*
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*
* CollationRuleParser.java, ported from collationruleparser.h/.cpp
*
* C++ version created on: 2013apr10
* created by: Markus W. Scherer
*/

Found in path(s):
  * /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/coll/CollationRuleParser.java
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   ***********************************************************************
   * IterCollationIterator.java, ported from uitercollationiterator.h/.cpp
   *
   * C++ version created on: 2012sep23 (from utf16collationiterator.h)
   * created by: Markus W. Scherer
   */

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/coll/IterCollationIterator.java
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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/CollatorServiceShim.java
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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/util/ULocale.java
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* Author: Alan Liu
* Created: April 6, 2004
* Since: ICU 3.0
***********************************************************************/

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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/MessageFormat.java
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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/TransformTransliterator.java
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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/UnicodeDecompressor.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/UnicodeCompressor.java
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/*
Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/ClassLoaderUtil.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/ICUResource.java
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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/util/CurrencyAmount.java
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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/CharsetRecog_UTF8.java
No license file was found, but licenses were detected in source scan.
Implementation of UCaseProps.ContextIterator, iterates over a Replaceable.
Java port of casetrn.cpp/utrans_rep_caseContextIterator()

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/ReplaceableContextIterator.java
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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/duration/BasicDurationFormat.java
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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/duration/BasicPeriodFormatter.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/duration/impl/XMLRecordReader.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/duration/BasicPeriodFormatterFactory.java
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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/Normalizer2.java
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*
* created on: 2011jan05
* created by: Markus W. Scherer
* ported from ICU4C byestriebuilder.h/.cpp
*
*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/util/BytesTrieBuilder.java
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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/UnicodeReplacer.java
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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/ICUService.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/ICURWLock.java
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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/FilteredNormalizer2.java
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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/util/TimeUnitAmount.java
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/**
 * DateIntervalInfo is a public class for encapsulating localizable
date time interval patterns. It is used by DateIntervalFormat.
 *
 * For most users, ordinary use of DateIntervalFormat does not need to create
* DateIntervalInfo object directly.
* DateIntervalFormat will take care of it when creating a date interval
* formatter when user pass in skeleton and locale.
 *
 * For power users, who want to create their own date interval patterns,
or want to re-set date interval patterns, they could do so by
* directly creating DateIntervalInfo and manipulating it.
 *
 * Logically, the interval patterns are mappings
* from (skeleton, the_largest_different_calendar_field)
to (date_interval_pattern).
 *
 * A skeleton
* <ol>
* <li>
* only keeps the field pattern letter and ignores all other parts
* in a pattern, such as space, punctuations, and string literals.
* <li>
* hides the order of fields.
* <li>
* might hide a field's pattern letter length.
 *
 * For those non-digit calendar fields, the pattern letter length is
* important, such as MMM, MMMM, and MMMMM; EEE and EEEE,
* and the field's pattern letter length is honored.
 *
 * For the digit calendar fields, such as M or MM, d or dd, yy or yyyy,
* the field pattern length is ignored and the best match, which is defined
* in date time patterns, will be returned without honor the field pattern
* letter length in skeleton.
* </ol>

*/
* The calendar fields we support for interval formatting are:
* year, month, date, day-of-week, am-pm, hour, hour-of-day, minute, and
* second (though we do not currently have specific intervalFormat data for
* skeletons with seconds).
* Those calendar fields can be defined in the following order:
* year > month > date > am-pm > hour > minute > second
* The largest different calendar fields between 2 calendars is the
* first different calendar field in above order.
* For example: the largest different calendar fields between "Jan 10, 2007"
* and "Feb 20, 2008" is year.
* <p>
* There is a set of pre-defined static skeleton strings.
* There are pre-defined interval patterns for those pre-defined skeletons
* in locales' resource files.
* For example, for a skeleton YEAR_ABBR_MONTH_DAY, which is "yMMMd",
* in en_US, if the largest different calendar field between date1 and date2
* is "year", the date interval pattern is "MMM d, yyyy - MMM d, yyyy",
* such as "Jan 10, 2007 - Jan 10, 2008".
* If the largest different calendar field between date1 and date2 is "month",
* the date interval pattern is "MMM d - MMM d, yyyy",
* such as "Jan 10 - Feb 10, 2007".
* If the largest different calendar field between date1 and date2 is "day",
* the date interval pattern is "MMM d-d, yyyy", such as "Jan 10-20, 2007".
* For date skeleton, the interval patterns when year, or month, or date is
* different are defined in resource files.
* For time skeleton, the interval patterns when am/pm, or hour, or minute is
* different are defined in resource files.
* <p>
* There are 2 dates in interval pattern. For most locales, the first date
* in an interval pattern is the earlier date. There might be a locale in which
* the first date in an interval pattern is the later date.
* We use fallback format for the default order for the locale.
* For example, if the fallback format is "{0} - {1}"}, it means
* the first date in the interval pattern for this locale is earlier date.
* If the fallback format is "{1} - {0}"}, it means the first date is the
* later date.
* For a particular interval pattern, the default order can be overriden
* by prefixing "latestFirst:" or "earliestFirst:" to the interval pattern.
* For example, if the fallback format is "{0} - {1}"},
* but for skeleton "yMMMd", the interval pattern when day is different is
* "latestFirst:d-d MMM yy", it means by default, the first date in interval
* pattern is the earlier date. But for skeleton "yMMMd", when day is different,
* the first date in "d-d MMM yy" is the later date.
* 
* <p>
* The recommended way to create a DateIntervalFormat object is to pass in
* the locale.
* By using a Locale parameter, the DateIntervalFormat object is
* initialized with the pre-defined interval patterns for a given or
* default locale.
* <p>
* Users can also create DateIntervalFormat object
* by supplying their own interval patterns.
* It provides flexibility for power usage.
* 
* <p>
* After a DateIntervalInfo object is created, clients may modify
* the interval patterns using setIntervalPattern function as so desired.
* Currently, users can only set interval patterns when the following
* calendar fields are different: ERA, YEAR, MONTH, DATE, DAY_OF_MONTH,
* DAY_OF_WEEK, AM_PM, HOUR, HOUR_OF_DAY, MINUTE and SECOND.
* Interval patterns when other calendar fields are different is not supported.
* <p>
* DateIntervalInfo objects are cloneable.
* When clients obtain a DateIntervalInfo object,
* they can feel free to modify it as necessary.
* <p>
* DateIntervalInfo are not expected to be subclassed.
* Data for a calendar is loaded out of resource bundles.
* Through ICU 4.4, date interval patterns are only supported in the Gregoria
* calendar; non-Gregorian calendars are supported from ICU 4.4.1.
* 
* @stable ICU 4.0
*/

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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/DateIntervalInfo.java
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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/DecimalFormat.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/NumberFormat.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/DecimalFormatSymbols.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/RuleBasedNumberFormat.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/SearchIterator.java

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 * *****************************************************************************
 *
 */

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/coll/UTF16CollationIterator.java

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

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 *
 */

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/coll/UTF16CollationIterator.java

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 */

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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/coll/UTF16CollationIterator.java

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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/coll/UTF16CollationIterator.java

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 *
 */

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/coll/UTF16CollationIterator.java

No license file was found, but licenses were detected in source scan.
* 2010nov19 Markus Scherer  Rewrite for formatVersion 2.

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*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/UPropertyAliases.java

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

/*
******************************************************************************
* FCDIterCollationIterator.java, ported from uitercollationiterator.h/.cpp
* C++ version created on: 2012sep23 (from utf16collationiterator.h)
* created by: Markus W. Scherer
*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/coll/FCDIterCollationIterator.java

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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/text/DateTimePatternGenerator.java

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

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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/DateTimePatternGenerator.java

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

/**
* CollationFastLatin.java, ported from collationfastlatin.h/.cpp
* C++ version created on: 2013aug09
* created by: Markus W. Scherer
*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/coll/CollationFastLatin.java
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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/util/UResourceTypeMismatchException.java
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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/CacheBase.java
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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/CollationRoot.java
C++ version created on: 2012dec17
* created by: Markus W. Scherer
*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/coll/CollationRoot.java
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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/duration/BasicPeriodBuilderFactory.java

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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/util/SoftCache.java

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

* Partial port from ICU4C's Grego class in i18n/gregoimp.h.
*
* Methods ported, or moved here from OlsonTimeZone, initially
* for work on Jitterbug 5470:
* tzdata2006n Brazil incorrect fall-back date 2009-mar-01
* Only the methods necessary for that work are provided - this is not a full
* port of ICU4C's Grego class (yet).
*
* These utilities are used by both OlsonTimeZone and SimpleTimeZone.
*
Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/Grego.java
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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/IllegalIcuArgumentException.java
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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/lang/UCharacterEnums.java
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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/util/Freezable.java
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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/BidiTransliterator.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/BidiLine.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/Bidi.java
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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/CalendarData.java
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* Date  Name    Description
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* Date Name    Description
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 */

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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/SourceTargetUtility.java
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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/BreakIteratorFactory.java
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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/locale/StringTokenIterator.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/CalendarUtil.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/Trie2Writable.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-
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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/locale/InternalLocaleBuilder.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/locale/BaseLocale.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/locale/LocaleObjectCache.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/locale/AsciiUtil.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/locale/Extension.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/locale/LocaleExtensions.java

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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/MultiComparator.java

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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/duration/PeriodBuilderFactory.java

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jar/com/ibm/icu/impl/duration/BasicDurationFormatterFactory.java
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/*
*******************************************************************************
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*******************************************************************************
* Author: M. Davis
* Created: December 2002 (moved from UnicodeSet)
* Since: ICU 2.4
*******************************************************************************
*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/SortedSetRelation.java
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Found in path(s):
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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/CharsetMatch.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/CharsetRecognizer.java

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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/FilteredBreakIteratorBuilder.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/util/OutputInt.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/ScientificNumberFormatter.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/Pair.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/locale/KeyTypeData.java

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 */

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/UnescapeTransliterator.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/EscapeTransliterator.java

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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/iuutil/ICUException.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/SimpleFilteredSentenceBreakIterator.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/iucuutil/ICUUncheckedExceptions.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/TZDBTimeZoneNames.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/UnicodeSetSpanner.java
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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/StringUCharacterIterator.java
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/*

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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/AnyTransliterator.java
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**RuleBasedCollator** is a transliterator that reads a set of rules in order to determine how to perform translations. Rule sets are stored in resource bundles indexed by name. Rules within a rule set are separated by semicolons (';'). To include a literal semicolon, prefix it with a backslash ('\'). Unicode Pattern_White_Space is ignored. If the first non-blank character on a line is '#', the entire line is ignored as a comment. 

*Each set of rules consists of two groups, one forward, and one reverse. This is a convention that is not enforced; rules for one direction may be omitted, with the result that translations in that direction will not modify the source text. In addition, bidirectional forward-reverse rules may be specified for symmetrical transformations.* 

**Rule syntax** 

Rule statements take one of the following forms: 

* <code>$alefmadda=u0622;</code> 

**Variable definition.** The name on the
left is assigned the text on the right. In this example,
<code>$alefmadda</code>, will be replaced by
the Unicode character U+0622. Variable names must begin
with a letter and consist only of letters, digits, and
underscores. Case is significant. Duplicate names cause
an exception to be thrown, that is, variables cannot be
redefined. The right hand side may contain well-formed
text of any length, including no text at all (&quot;$empty=;</code>&quot;).
The right hand side may contain embedded <code>UnicodeSet</code>
patterns, for example, &quot;<code>$softvowel=[eiyEIY]\</code>&quot;.

<code>ai&gt;$alefmadda;</code>

Forward translation rule. This rule
states that the string on the left will be changed to the
string on the right when performing forward
transliteration.</dd>

<code>ai&lt;$alefmadda;</code>

Reverse translation rule. This rule
states that the string on the right will be changed to
the string on the left when performing reverse
transliteration.</dd>

<code>ai&gt;&lt;$alefmadda;</code>

Bidirectional translation rule. This rule
states that the string on the right will be changed to
the string on the left when performing forward
transliteration, and vice versa when performing reverse
transliteration.</dd>

Translation rules consist of a <em>match pattern</em> and an <em>output
string</em>. The match pattern consists of literal characters,
optionally preceded by context, and optionally followed by
context. Context characters, like literal pattern characters,
must be matched in the text being transliterated. However, unlike
literal pattern characters, they are not replaced by the output
text. For example, the pattern &quot;<code>abc{def}</code>&quot; indicates the characters &quot;<code>def</code>&quot; must be
preceded by &quot;<code>abc</code>&quot; for a successful match.
If there is a successful match, &quot;<code>def</code>&quot; will be replaced, but not &quot;<code>abc</code>&quot;. The final &quot;'<code>}</code>}&quot; is optional, so &quot;<code>abc{def</code>&quot; is equivalent to
&quot;<code>abc{def}</code>&quot;. Another example is &quot;<code>[123]456</code>&quot; in which the literal
pattern "123" must be followed by "456".

The output string of a forward or reverse rule consists of characters to replace the literal pattern characters. If the output string contains the character '<code>|</code>', this is taken to indicate the location of the <em>cursor</em> after replacement. The cursor is the point in the text at which the next replacement, if any, will be applied. The cursor is usually placed within the replacement text; however, it can actually be placed into the preceding or following context by using the special character '<code>@</code>'. Examples:

```
\begin{verbatim}
a {foo} z &gt; | @ bar; # foo -&gt; bar, move cursor before a
{foo} xyz &gt; bar @ @]; #&amp;nbsp;foo -&gt; bar, cursor between y and z</verbatim>
```

UnicodeSet patterns may appear anywhere that makes sense. They may appear in variable definitions. Contrariwise, <code>UnicodeSet</code> patterns may themselves contain variable references, such as &quot;<code>$a=[a-z]$;not_a=[^a]</code>&quot;, or &quot;<code>$range=a-z;$ll=[$range]</code>&quot;.

UnicodeSet patterns may also be embedded directly into rule strings. Thus, the following two rules are equivalent:

```
\begin{verbatim}
$vowel=[aeiou]; $vowel^*'; # One way to do this
[aeiou]^*';
&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&n
\end{verbatim}
```

See [ @link UnicodeSet] for more documentation and examples.

Segments of the input string can be matched and copied to the output string. This makes certain sets of rules simpler and more general, and makes reordering possible. For example:

```
\begin{verbatim}
([a-z]) &gt; $1 $1;
\end{verbatim}
```
The segment of the input string to be copied is delimited by "<code>(</code>" and "<code>)</code>". Up to nine segments may be defined. Segments may not overlap. In the output string, "<code>$1</code>" through "<code>$9</code>" represent the input string segments, in left-to-right order of definition.

**Anchors**

Patterns can be anchored to the beginning or the end of the text. This is done with the special characters '<code>^</code>' and '<code>$</code>'. For example:

```
^ a &gt; 'BEG_A'; a &gt; 'A'; z $ &gt; 'END_Z'; z &gt; 'Z';
```

It is also possible to match the beginning or the end of the text using a <code>UnicodeSet</code>. This is done by including a virtual anchor character '<code>$</code>' at the end of the set pattern. Although this is usually the match character for the end anchor, the set will match either the beginning or the end of the text, depending on its placement. For example:

```
$x = [a-z$]; $x 1 &gt; 2; 3 $x &gt; 4;
```

**Example**

The following example rules illustrate many of the features of the rule language.

```
Rule 1. &gt; x|y
```

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<table>
<thead>
<tr>
<th>Rule 2.</th>
<th>$xyz &gt; r$</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rule 3.</td>
<td>$yz &gt; q$</td>
</tr>
</tbody>
</table>

Applying these rules to the string "adefabcdefz" yields the following results:

<table>
<thead>
<tr>
<th>Initial state, no rules match. Advance cursor.</th>
</tr>
</thead>
<tbody>
<tr>
<td>a</td>
</tr>
<tr>
<td>ade</td>
</tr>
<tr>
<td>adefa</td>
</tr>
</tbody>
</table>
with &quot;<code>xy</code>&quot; and back up the cursor
to before the &quot;<code>y</code>&quot;.&lt;/td&gt;
  &lt;/tr&gt;
  &lt;tr&gt;
    &lt;td valign="top" nowrap&gt;&lt;code&gt;adefabcx\|yz&lt;/code&gt;&lt;/td&gt;
    &lt;td valign="top">Although &quot;&lt;code&gt;xyz&lt;/code&gt;&quot; is present, rule 2 does not match because the cursor is before the &quot;&lt;code&gt;y&lt;/code&gt;&quot;, not before the &quot;&lt;code&gt;x&lt;/code&gt;&quot;.
    Rule 3 does match. Replace &quot;&lt;code&gt;yz&lt;/code&gt;&quot; with &quot;&lt;code&gt;q&lt;/code&gt;&quot;.&lt;/td&gt;
  &lt;/tr&gt;
  &lt;tr&gt;
    &lt;td valign="top" nowrap&gt;&lt;code&gt;adefabcxq\|&lt;/code&gt;&lt;/td&gt;
    &lt;td valign="top">The cursor is at the end;
    transliteration is complete.&lt;/td&gt;
  &lt;/tr&gt;
&lt;/table&gt;

The order of rules is significant. If multiple rules may match at some point, the first matching rule is applied. &lt;/p&gt;

Forward and reverse rules may have an empty output string. Otherwise, an empty left or right hand side of any statement is a syntax error. &lt;/p&gt;

Single quotes are used to quote any character other than a digit or letter. To specify a single quote itself, inside or outside of quotes, use two single quotes in a row. For example, the rule &quot;&lt;code&gt;'&gt;'&gt;o'clock&lt;/code&gt;&quot; changes the string &quot;&lt;code&gt;&gt;o'clock&lt;/code&gt;&quot; to the string &quot;&lt;code&gt;o'clock&lt;/code&gt;&quot;.&lt;/p&gt;

Notes &lt;/b&gt; &lt;/p&gt;

While a RuleBasedTransliterator is being built, it checks that the rules are added in proper order. For example, if the rule &quot;&lt;code&gt;x&quot; followed by the rule &quot;&lt;code&gt;y&quot;, then the second rule will throw an exception. The reason is that the second rule can never be triggered, since the first rule always matches anything it matches. In other words, the first rule &lt;em&gt;masks&lt;/em&gt; the second rule. &lt;/p&gt;

Copyright (c) IBM Corporation 1999-2000. All rights reserved.&lt;/p&gt;

@author Alan Liu  
@internal  
@deprecated This API is ICU internal only.
Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-
jar/com/ibm/icu/text/RuleBasedTransliterator.java
No license file was found, but licenses were detected in source scan.

/**
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 * others. All Rights Reserved.
 */

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-
jar/com/ibm/icu/impl/UCharacterNameChoice.java
No license file was found, but licenses were detected in source scan.

/*
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 */

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-
jar/com/ibm/icu/impl/PVecToTrieCompactHandler.java
No license file was found, but licenses were detected in source scan.

/*
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 */

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/TrieIterator.java
No license file was found, but licenses were detected in source scan.

/*
 * Copyright (C) 1996-2010, International Business Machines Corporation and
 * others. All Rights Reserved.
 */

/**
A transliteration rule used by 
<code>RuleBasedTransliterator</code>. 
<code>TransliterationRule</code> is an immutable object.

A rule consists of an input pattern and an output string. When 
the input pattern is matched, the output string is emitted. The 
input pattern consists of zero or more characters which are matched 
exactly (the key) and optional context. Context must match if it 
is specified. Context may be specified before the key, after the 
key, or both. The key, preceding context, and following context 
may contain variables. Variables represent a set of Unicode 
characters, such as the letters <i>a</i> through <i>z</i>.

Variables are detected by looking up each character in a supplied 
variable list to see if it has been so defined.

A rule may contain segments in its input string and segment 
references in its output string. A segment is a substring of the 
input pattern, indicated by an offset and limit. The segment may 
be in the preceding or following context. It may not span a 
context boundary. A segment reference is a special character in 
the output string that causes a segment of the input string (not 
the input pattern) to be copied to the output string. The range of 
special characters that represent segment references is defined by 
<code>RuleBasedTransliterator.Data</code>.

Example: The rule "([a-z]) . ([0-9]) > $2 . $1" will change the input 
string "abc.123" to "ab1.c23".

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@author Alan Liu
*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/TransliterationRule.java
No license file was found, but licenses were detected in source scan.


Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/math/MathContext.java
No license file was found, but licenses were detected in source scan.

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

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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/ICUCurrencyDisplayInfoProvider.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/Trie2_32.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/ICUResourceTableAccess.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/Trie2_16.java

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

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/duration/impl/ResourceBasedPeriodFormatterDataService.java

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

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/UtilityExtensions.java

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

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/ica util/ByteArrayWrapper.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/ica util/RawCollationKey.java

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*/

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

*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/ica util/UResourceBundleIterator.java

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*/

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* and others. All Rights Reserved.                                            *
*********************************************************************************

*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/ica text/IdentifierInfo.java

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*/

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* others. All Rights Reserved.                                                *
*********************************************************************************

*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/ica impl/ICUResourceBundleReader.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/ica util/UResourceBundle.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/ica impl/ICUResourceBundleImpl.java

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

*/
Found in path(s):
* /opt/cola/permits/114594826_1607546183.0/0/icu4j-56-1-sources-jar/com.ibm/icu/text/UFieldPosition.java
* /opt/cola/permits/114594826_1607546183.0/0/icu4j-56-1-sources-jar/com.ibm/icu/text/QuantityFormatter.java
* /opt/cola/permits/114594826_1607546183.0/0/icu4j-56-1-sources-jar/com.ibm/icu/text/PluralSamples.java
No license file was found, but licenses were detected in source scan.

Found in path(s):
* /opt/cola/permits/114594826_1607546183.0/0/icu4j-56-1-sources-jar/com.ibm/icu/text/StringTransform.java
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Found in path(s):
* /opt/cola/permits/114594826_1607546183.0/0/icu4j-56-1-sources-jar/com.ibm/icu/text/RelativeDateTimeFormatter.java
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Found in path(s):
* /opt/cola/permits/114594826_1607546183.0/0/icu4j-56-1-sources-jar/com.ibm/icu/text/SpoofChecker.java
No license file was found, but licenses were detected in source scan.
No license file was found, but licenses were detected in source scan.

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

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

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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/NumberFormatServiceShim.java
No license file was found, but licenses were detected in source scan.

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/coll/CollationBuilder.java
No license file was found, but licenses were detected in source scan.

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/util/CharsTrie.java
No license file was found, but licenses were detected in source scan.

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/util/CharsTrie.java
No license file was found, but licenses were detected in source scan.
* file name: UBiDiProps.java
* encoding: US-ASCII
* tab size: 8 (not used)
* indentation:4

* created on: 2005jan16
* created by: Markus W. Scherer

* Low-level Unicode bidi/shaping properties access.
* Java port of ubidi_props.h/c.
*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/UBiDiProps.java

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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/util/Calendar.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/DateFormat.java

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/**
*******************************************************************************
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*******************************************************************************
* created on: 2011jan07
* created by: Markus W. Scherer
* ported from ICU4C ucharstriebuilder/.cpp
*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/util/CharsTrieBuilder.java

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/**
*******************************************************************************
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*******************************************************************************
*/

**
* <code>ReplaceableString</code> is an adapter class that implements the
* <code>Replaceable</code> API around an ordinary <code>StringBuffer</code>.
*<p>Note: This class does not support attributes and is not intended for general use. Most clients will need to implement <code>Replaceable</code> in their text representation class.<p>
*<p>Copyright &copy; IBM Corporation 1999. All rights reserved.<p>
*<p>@see Replaceable
*<p>@author Alan Liu
*<p>@stable ICU 2.0
*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/ReplaceableString.java
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*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/BurmeseBreakEngine.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/ThaiBreakEngine.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/DictionaryBreakEngine.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/SimplePatternFormatter.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/LanguageBreakEngine.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/BytesDictionaryMatcher.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/LaoBreakEngine.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/KhmerBreakEngine.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/UnhandledBreakEngine.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/CharsDictionaryMatcher.java
No license file was found, but licenses were detected in source scan.

*/
*******************************************************************************
* Copyright (C) 1996-2015, International Business Machines
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* CollationCompare.java, ported from collationcompare.h/.cpp
* C++ version created on: 2012feb14 with new and old collation code
* created by: Markus W. Scherer
*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/coll/CollationCompare.java
No license file was found, but licenses were detected in source scan.

/*

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*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/ArabicShaping.java
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*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/coll/CollationKeys.java
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*******************************************************************************
*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/ICUResourceBundle.java

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***************************************************************************/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/util/TimeUnit.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/TimeUnitFormat.java

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/*
*******************************************************************************
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*******************************************************************************
* FCDUTF16CollationIterator.java, ported from utf16collationiterator.h/.cpp
* C++ version created on: 2010oct27
* created by: Markus W. Scherer
*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/coll/FCDUTF16CollationIterator.java

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*******************************************************************************
*/

/**
 * A set of rules for a <code>RuleBasedTransliterator</code>. This set encodes
 * the transliteration in one direction from one set of characters or short
 * strings to another. A <code>RuleBasedTransliterator</code> consists of up to
 * two such sets, one for the forward direction, and one for the reverse.
 */

* <p>A <code>TransliterationRuleSet</code> has one important operation, that of
* finding a matching rule at a given point in the text. This is accomplished
* by the <code>findMatch()</code> method.
*<p>Copyright &copy; IBM Corporation 1999. All rights reserved.
* @author Alan Liu
*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/TransliterationRuleSet.java
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/*
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*******************************************************************************
* CollationDataBuilder.java, ported from collationdatabuilder.h/.cpp
* C++ version created on: 2012apr01
* created by: Markus W. Scherer
*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/coll/CollationDataBuilder.java
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/*
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*******************************************************************************
* CollationRootElements.java, ported from collationrootelements.h/.cpp
* C++ version created on: 2013mar01
* created by: Markus W. Scherer
*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/coll/CollationRootElements.java
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/*
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*******************************************************************************
* Collation.java, ported from collation.h/.cpp
* C++ version created on: 2010oct27
* created by: Markus W. Scherer
*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/coll/Collation.java
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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/util/DateInterval.java
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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/CaseFoldTransliterator.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/TrieBuilder.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/RangeValueIterator.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/IntTrieBuilder.java
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*/

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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/util/ValueIterator.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/TrieBuilder.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/util/RangeValueIterator.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/IntTrieBuilder.java
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* Author: Alan Liu
* Created: April 20, 2004
* Since: ICU 3.0
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*
*/

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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icutime/UniversalTimeScale.java

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*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/UFformat.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/StringPrep.java

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*
* CollationFastLatinBuilder.java, ported from collationfastlatinbuilder.h/.cpp *
* C++ version created on: 2013aug09                                            *
* created by: Markus W. Scherer                                               *
*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/coll/CollationFastLatinBuilder.java

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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/BidiRun.java
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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/OlsonTimeZone.java
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* CollationTailoring.java, ported from collationtailoring.h/.cpp *
* C++ version created on: 2013mar12                                      *
* created by: Markus W. Scherer                                        *
*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/coll/CollationTailoring.java
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******************************************************************************
* Author: Mark Davis                                                   *
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*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/Relation.java
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/*
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*
*******************************************************************************
* file name: UCaseProps.java
* encoding: US-ASCII
* tab size: 8 (not used)
* indentation:4
*
* created on: 2005jan29
* created by: Markus W. Scherer
*
* Low-level Unicode character/string case mapping code.
* Java port of ucase.h/c.
*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/UCaseProps.java
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*/

A transliterator that is composed of two or more other
transliterator objects linked together. For example, if one
transliterator transliterates from script A to script B, and
another transliterates from script B to script C, the two may be
combined to form a new transliterator from A to C.

<p>Composed transliterators may not behave as expected. For
example, inverses may not combine to form the identity
transliterator. See the class documentation for {@link
Transliterator} for details.
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jar/com/ibm/icu/impl/data/HolidayBundle_iw_IL.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/data/HolidayBundle_fr_FR.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/data/HolidayBundle_ja_JP.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/data/HolidayBundle_ja_JP.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/util/HebrewHoliday.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/util/RangeDateRule.java
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/util/RangeDateRule.java
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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/ArabicShapingException.java
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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/ArabicShapingException.java
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 * Created: April 20, 2004
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 **********************************************************************
 */

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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/CurrencyFormat.java
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* C++ version created on: 2013feb07
* created by: Markus W. Scherer
*/

Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/coll/CollationDataReader.java
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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/impl/locale/ParseStatus.java
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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/util/LocaleData.java
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Found in path(s):
* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/BidiWriter.java

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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/RBBIRuleScanner.java

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*/
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* 
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* /opt/cola/permits/1114594826_1607546183.0/0/icu4j-56-1-sources-jar/com/ibm/icu/text/UnicodeMatcher.java
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 */

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* created on: 2010nov23
* created by: Markus W. Scherer
* ported from ICU4C bytestrie.h/.cpp
*/

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1.215 hk2-api 2.2.0-b21

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1.216 jersey-server 2.5.1

1.217 libaudit-common 1:2.4.5 1ubuntu2.1

1.217.1 Available under license:

This package was debianized by Philipp Matthias Hahn <pmhahn@debian.org> on

It was downloaded from http://people.redhat.com/sgrubb/audit/

Upstream Author: Rik Faith
Steve Grubb <sgrubb@redhat.com>

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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
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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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   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.
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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
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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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therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
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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
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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during execution displays copyright notices, you must include the
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directing the user to the copy of this License. Also, you must do one
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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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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.

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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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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
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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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* /opt/ws_local/PERMITS_SQL/1069085013_1594481760.44/0/jaeger-core-0-27-0-rc1-sources-
  jar/io/jaegertracing/metrics/Counter.java
* /opt/ws_local/PERMITS_SQL/1069085013_1594481760.44/0/jaeger-core-0-27-0-rc1-sources-
  jar/io/jaegertracing/samplers/http/RateLimitingSamplingStrategy.java
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  jar/io/jaegertracing/exceptions/UnknownSamplingStrategyException.java
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  jar/io/jaegertracing/exceptions/NotFourOctetsException.java
* /opt/ws_local/PERMITS_SQL/1069085013_1594481760.44/0/jaeger-core-0-27-0-rc1-sources-
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* /opt/ws_local/PERMITS_SQL/1069085013_1594481760.44/0/jaeger-core-0-27-0-rc1-sources-
  jar/io/jaegertracing/exceptions/SamplingStrategyErrorException.java
* /opt/ws_local/PERMITS_SQL/1069085013_1594481760.44/0/jaeger-core-0-27-0-rc1-sources-
  jar/io/jaegertracing/Constants.java
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* /opt/ws_local/PERMITS_SQL/1069085013_1594481760.44/0/jaeger-core-0-27-0-rc1-sources-jar/io/jaegertracing/baggage/DefaultBaggageRestrictionManager.java
* /opt/ws_local/PERMITS_SQL/1069085013_1594481760.44/0/jaeger-core-0-27-0-rc1-sources-jar/io/jaegertracing/baggage/BaggageRestrictionManager.java
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* /opt/ws_local/PERMITS_SQL/1069085013_1594481760.44/0/jaeger-core-0-27-0-rc1-sources-jar/io/jaegertracing/propagation/HttpBaggageRestrictionManager.java
* /opt/ws_local/PERMITS_SQL/1069085013_1594481760.44/0/jaeger-core-0-27-0-rc1-sources-jar/io/jaegertracing/propagation/HttpBaggageRestrictionManagerProxy.java
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* /opt/ws_local/PERMITS_SQL/1069085013_1594481760.44/0/jaeger-core-0-27-0-rc1-sources-jar/io/jaegertracing/propagation/MexCodec.java
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/* zlib.h -- interface of the 'zlib' general purpose compression library
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The data format used by the zlib library is described by RFCs (Request for
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*/

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Eclipse

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

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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
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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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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1.230 iproute 4.3.0 1ubuntu3.16.04.5

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This is the Debian GNU/Linux's prepackaged version of the Linux Traffic Control engine and related utils, "iproute2"

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1.231 pyrsistent 0.17.3

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1.233 xpp 1.1.4c

1.234 python 3.5.1-3
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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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* /opt/ws_local/PERMITS_SQL/1028436227_1594249084.99/0/nimbus-jose-jwt-8-9-sources-
  jar/com/nimbusds/jose/jwk/KeyUseAndOpsConsistency.java

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/ *
* nimbus-jose-jwt
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* /opt/ws_local/PERMITS_SQL/1028436227_1594249084.99/0/nimbus-jose-jwt-8-9-sources-jar/com/nimbusds/jwt/proc/JWEEncryptionKeySelector.java
* /opt/ws_local/PERMITS_SQL/1028436227_1594249084.99/0/nimbus-jose-jwt-8-9-sources-jar/com/nimbusds/jose/proc/JWSAlgorithmFamilyJWSKeySelector.java
* /opt/ws_local/PERMITS_SQL/1028436227_1594249084.99/0/nimbus-jose-jwt-8-9-sources-jar/com/nimbusds/jose/proc/JWSVerificationKeySelector.java
* /opt/ws_local/PERMITS_SQL/1028436227_1594249084.99/0/nimbus-jose-jwt-8-9-sources-jar/com/nimbusds/jose/jwk/JWKMatcher.java

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Found in path(s):
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* /opt/ws_local/PERMITS_SQL/1028436227_1594249084.99/0/nimbus-jose-jwt-8-9-sources-jar/com/nimbusds/jose/util/Base64Codec.java
1.242 swagger-models 1.5.13

1.242.1 Available under license:

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```java
package io.swagger.models;

import com.fasterxml.jackson.annotation.JsonAnyGetter;
import com.fasterxml.jackson.annotation.JsonAnySetter;
import java.util.LinkedHashMap;
import java.util.Map;

public class License {
    private Map<String, Object> vendorExtensions = new LinkedHashMap<String, Object>();
    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;
    }

    @JsonAnyGetter
    public Map<String, Object> getVendorExtensions() {
        return vendorExtensions;
    }
}
```
return vendorExtensions;
}

@JsonAnySetter
public void setVendorExtension(String name, Object value) {
    if (name.startsWith("x-")) {
        vendorExtensions.put(name, value);
    }
}

public void setVendorExtensions(Map<String, Object> vendorExtensions) {
    this.vendorExtensions = vendorExtensions;
}

@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.LinkedHashMap;
import java.util.Map;

public class Info {
    private String description;
    private String version;
    private String title;
    private String termsOfService;
    private Contact contact;
    private License license;
    private Map<String, Object> vendorExtensions = new LinkedHashMap<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) {

    }

    public Info vendorExtensions(String key, Object value) {
        this.vendorExtensions.put(key, value);
        return this;
    }
}

Found in path(s):
* /opt/cola/permits/1115259333_1607622200.47/0/swagger-models-1-5-13-sources-1-
  jar/io/swagger/models/License.java
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package io.swagger.models;

import com.fasterxml.jackson.annotation.JsonAnyGetter;
import com.fasterxml.jackson.annotation.JsonAnySetter;
import java.util.LinkedHashMap;
import java.util.Map;

public class Info {
    private String description;
    private String version;
    private String title;
    private String termsOfService;
    private Contact contact;
    private License license;
    private Map<String, Object> vendorExtensions = new LinkedHashMap<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) {

    }

    public Info vendorExtensions(String key, Object value) {
        this.vendorExtensions.put(key, value);
        return this;
    }
}
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 (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;
}
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/1115259333_1607622200.47/0/swagger-models-1.5.13-sources-1-
  jar/io/swagger/models/Info.java

1.243 login 1:4.2 3.1ubuntu5.4
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* /opt/ws_local/PERMITS_SQL/1069091512_1594483346.99/0/spring-webmvc-4-3-19-release-sources-1-jar/org/springframework/web/servlet/ViewResolver.java
* /opt/ws_local/PERMITS_SQL/1069091512_1594483346.99/0/spring-webmvc-4-3-19-release-sources-1-jar/org/springframework/web/servlet/mvc/LastModified.java
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* /opt/ws_local/PERMITS_SQL/1069091512_1594483346.99/0/spring-webmvc-4-3-19-release-sources-1-jar/org/springframework/web/servlet/RequestToViewNameTranslator.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
* [@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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 * 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.
* 
*  
* <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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* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/convert/TransformReadField.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/tools/web/Viewer.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/CtNewConstructor.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/bytecode/Mnemonic.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/compiler/ast/StringL.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/bytecode/StackMap.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/ClassPool.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/tools/rmi/ObjectNotFoundException.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/bytecode/BadBytecode.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/bytecode/stackmap/TypedBlock.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/bytecode/DeprecatedAttribute.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/Translator.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/expr/Instanceof.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/compiler/CompileError.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/bytecode/ExceptionTable.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/util/proxy/SecurityActions.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/tools/reflect/Metalevel.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/expr/NewArray.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/util/proxy/MethodFilter.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/bytecode/SourceFileAttribute.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/bytecode/analysis/MultiArrayType.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/bytecode/analysis/SubroutineScanner.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/bytecode/analysis/Frame.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/ClassPath.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/compiler/ast/CastExpr.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/util/proxy/SerializedProxy.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/scopedpool/ScopedClassPool.java
jar/javassist/CtNewNestedClass.java
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* /opt/cola/permits/110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/tools/reflect/CannotInvokeException.java
* /opt/cola/permits/110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/compiler/KeywordTable.java
* /opt/cola/permits/110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/tools/ASTree.java
* /opt/cola/permits/110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/tools/rmi/StubGenerator.java
* /opt/cola/permits/110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/bytecode/LocalVariableAttribute.java
* /opt/cola/permits/110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/bytecode/ClassFilePrinter.java
* /opt/cola/permits/110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/tools/framedump.java
* /opt/cola/permits/110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/bytecode/stackmap/Tracer.java
* /opt/cola/permits/110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/compiler/ast/ASTree.java
* /opt/cola/permits/110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/tools/rmi/ObjectImporter.java
* /opt/cola/permits/110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/compiler/ast/BinExpr.java
* /opt/cola/permits/110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/compiler/NoFieldException.java
* /opt/cola/permits/110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/compiler/ast/CondExpr.java
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* /opt/cola/permits/110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/compiler/ast/Opcode.java
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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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Apache

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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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1.257 pycparser 2.20

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jar/org/springframework/core/annotation/AnnotationAttributeExtractor.java
* /opt/cola/permits/1120453632_1609951998.52/0/spring-core-4-3-29-release-sources-1-
jar/org/springframework/core/io/support/PropertiesLoaderUtils.java
* /opt/cola/permits/1120453632_1609951998.52/0/spring-core-4-3-29-release-sources-1-
jar/org/springframework/core/util/concurrent/ListenableFutureCallback.java
* /opt/cola/permits/1120453632_1609951998.52/0/spring-core-4-3-29-release-sources-1-
jar/org/springframework/core/DecoratingClassLoader.java
* /opt/cola/permits/1120453632_1609951998.52/0/spring-core-4-3-29-release-sources-1-
jar/org/springframework/core/convert/converter/ConverterRegistry.java
* /opt/cola/permits/1120453632_1609951998.52/0/spring-core-4-3-29-release-sources-1-
jar/org/springframework/core/SpringProperties.java
* /opt/cola/permits/1120453632_1609951998.52/0/spring-core-4-3-29-release-sources-1-
jar/org/springframework/core/convert/support/NumberToNumberConverterFactory.java
* /opt/cola/permits/1120453632_1609951998.52/0/spring-core-4-3-29-release-sources-1-
jar/org/springframework/core/io/support/ResourceRegion.java
* /opt/cola/permits/1120453632_1609951998.52/0/spring-core-4-3-29-release-sources-1-
jar/org/springframework/core/OverridingClassLoader.java
* /opt/cola/permits/1120453632_1609951998.52/0/spring-core-4-3-29-release-sources-1-
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jar/org/springframework/core/util/backoff/ExponentialBackOff.java
* /opt/cola/permits/1120453632_1609951998.52/0/spring-core-4-3-29-release-sources-1-
jar/org/springframework/core/annotation/AbstractAliasAwareAnnotationAttributeExtractor.java
* /opt/cola/permits/1120453632_1609951998.52/0/spring-core-4-3-29-release-sources-1-
jar/org/springframework/core/util/concurrent/SuccessCallback.java
* /opt/cola/permits/1120453632_1609951998.52/0/spring-core-4-3-29-release-sources-1-
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* /opt/cola/permits/1120453632_1609951998.52/0/spring-core-4-3-29-release-sources-1-
jar/org/springframework/util/xml/AbstractXMLReader.java
* /opt/cola/permits/1120453632_1609951998.52/0/spring-core-4-3-29-release-sources-1-
jar/org/springframework/core/convert/ConversionFailedException.java
* /opt/cola/permits/1120453632_1609951998.52/0/spring-core-4-3-29-release-sources-1-
jar/org/springframework/core/convert/support/GenericConversionService.java
* /opt/cola/permits/1120453632_1609951998.52/0/spring-core-4-3-29-release-sources-1-
jar/org/springframework/core/io/FileSystemResource.java
* /opt/cola/permits/1120453632_1609951998.52/0/spring-core-4-3-29-release-sources-1-

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* /opt/cola/permits/1120453632_1609951998.52/0/spring-core-4-3-29-release-sources-1.jar/org/springframework/core/io/ResourceLoader.java
* /opt/cola/permits/1120453632_1609951998.52/0/spring-core-4-3-29-release-sources-1.jar/org/springframework/core/convert/support/EnumToIntegerConverter.java
* /opt/cola/permits/1120453632_1609951998.52/0/spring-core-4-3-29-release-sources-1.jar/org/springframework/core/env/Environment.java
* /opt/cola/permits/1120453632_1609951998.52/0/spring-core-4-3-29-release-sources-1.jar/org/springframework/core/io/support/PropertiesLoaderSupport.java
* /opt/cola/permits/1120453632_1609951998.52/0/spring-core-4-3-29-release-sources-1.jar/org/springframework/util/LinkedCaseInsensitiveMap.java
* /opt/cola/permits/1120453632_1609951998.52/0/spring-core-4-3-29-release-sources-1.jar/org/springframework/core/task/support/TaskExecutorAdapter.java
* /opt/cola/permits/1120453632_1609951998.52/0/spring-core-4-3-29-release-sources-1.jar/org/springframework/util/MimeTypeUtils.java
* /opt/cola/permits/1120453632_1609951998.52/0/spring-core-4-3-29-release-sources-1.jar/org/springframework/util/CollectionUtils.java
* /opt/cola/permits/1120453632_1609951998.52/0/spring-core-4-3-29-release-sources-1.jar/org/springframework/core/convert/support/StringToBooleanConverter.java
1.259 swagger-core 1.5.13

1.260 libgpg-error 1.21-2ubuntu1

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* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-
jar/org/springframework/jdbc/object/StoredProcedure.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-
jar/org/springframework/jdbc/datasource/init/AbstractIdentityColumnMaxValueIncrementer.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-
jar/org/springframework/jdbc/core/namedparam/MapSqlParameterSource.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-
jar/org/springframework/jdbc/core/ParameterizedPreparedStatementSetter.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-
jar/org/springframework/jdbc/core/PreparedStatementSetterFactory.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-
jar/org/springframework/jdbc/jdbcitest/DefaultTestDriver.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-
jar/org/springframework/jdbc/jdbcitest/DriverParameterFactory.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-
jar/org/springframework/jdbc/jdbcitest/DriverParameterFactoryImpl.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-
jar/org/springframework/jdbc/jdbcitest/DriverTestDriver.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-
jar/org/springframework/jdbc/jdbcitest/DriverTestDriverImpl.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-
jar/org/springframework/jdbc/jdbcitest/DriverTestDriverInterface.java
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  jar/org/springframework/jdbc/core/metadata/SqlServerCallMetaDataProvider.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-
  jar/org/springframework/jdbc/support/incrementer/DataFieldMaxValueIncrementer.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-
  jar/org/springframework/jdbc/support/incrementer/DerbyMaxValueIncrementer.java

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  jar/org/springframework/jdbc/support/nativejdbc/WebLogicNativeJdbcExtractor.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-
  jar/org/springframework/jdbc/core/namedparam/EmptySqlParameterSource.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-
  jar/org/springframework/jdbc/core/support/AbstractLobCreatingPreparedStatementCallback.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-
  jar/org/springframework/jdbc/support/nativejdbc/WebSphereNativeJdbcExtractor.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-
  jar/org/springframework/jdbc/support/lob/AbstractLobHandler.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
 */
The classes in this package make JDBC easier to use and
reduce the likelihood of common errors. In particular, they:

- Simplify error handling, avoiding the need for try/catch/finally blocks in application code.
- 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.
- Allow the implementation of error handling to be modified to target different RDBMSes without introducing proprietary dependencies into application code.

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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* to create `{@code oracle.sql.BLOB}` and `{@code oracle.sql.CLOB}`
* 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 9i (or more specifically, the Oracle 9i JDBC driver) 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, or upgrade to the Oracle 10g/11g driver
  * (which still supports access to Oracle 9i databases).
*
* `<p>` NOTE: As of Oracle 10.2, `{@link DefaultLobHandler}` should work equally
  * well out of the box. On Oracle 11g, JDBC 4.0 based options such as
  * `{@link DefaultLobHandler#setStreamAsLob}` and `{@link DefaultLobHandler#setCreateTemporaryLob}`
  * are available as well, rendering this proprietary OracleLobHandler obsolete.</p>
* Also, consider upgrading to a new driver even when accessing an older database.
* See the `{@link LobHandler}` interface javadoc for a summary of recommendations.
*
* `<p>` Needs to work on a native JDBC Connection, to be able to cast it to
  * `{@code oracle.jdbc.OracleConnection}`. If you pass in Connections from a
  * connection pool (the usual case in a Java EE environment), you need to set an
  * appropriate `{@link org.springframework.jdbc.support.nativejdbc.NativeJdbcExtractor}`
  * to allow for automatic 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 DefaultLobHandler
* @see #setNativeJdbcExtractor
* @deprecated in favor of `{@link DefaultLobHandler}` for the Oracle 10g driver and
* higher. Consider using the 10g/11g driver even against an Oracle 9i database!
* `{@link DefaultLobHandler#setCreateTemporaryLob}` is the direct equivalent of this
* OracleLobHandler's implementation strategy, just using standard JDBC 4.0 API.
* That said, in most cases, regular DefaultLobHandler setup will work fine as well.
*/

Found in path(s):
* `/opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-
jar/org/springframework/jdbc/support/lob/OracleLobHandler.java

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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 9i's peculiar handling of LOBs in
 * [@link OracleLobHandler]; most other databases should be able to work
 * with the provided [@link DefaultLobHandler].
 *
 * <p>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.
 *
 * <p>Most databases/drivers should be able to work with [@link DefaultLobHandler],
 * which by default delegates to JDBC's direct accessor methods, avoiding the
 * [@link DefaultLobHandler] can also be configured to access LOBs using
 * [@code PreparedStatement.setBlob/setClob] (e.g. for PostgreSQL), through
 * setting the [@link DefaultLobHandler#setWrapAsLob "wrapAsLob"] property.
 *
 * <p>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 will work with [@link DefaultLobHandler]
 * as well, with some limitations in terms of LOB sizes depending on DBMS setup;
 * as of Oracle 11g (or actually, using the 11g driver even against older databases),
 * there should be no need to use [@link OracleLobHandler] at all anymore.
 *
 * <p>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 (including Oracle 11g driver):</b> Use {@link DefaultLobHandler}, potentially with {@code streamAsLob=true} if your database driver requires that hint when populating a LOB field. Fall back to {@code createTemporaryLob=true} if you happen to run into LOB size limitations with your (Oracle) database setup.
* <li><b>Oracle 10g driver:</b> Use {@link DefaultLobHandler} with standard setup.
* On Oracle 10.1, set the "SetBigStringTryClob" connection property; as of Oracle 10.2, DefaultLobHandler should work with standard setup out of the box. Alternatively, consider using the proprietary {@link OracleLobHandler} (see below).
* <li><b>Oracle 9i driver:</b> Use {@link OracleLobHandler} with a connection-pool-specific setup.
* @link OracleLobHandler#setNativeJdbcExtractor NativeJdbcExtractor].
* <li><b>PostgreSQL:</b> Configure {@link DefaultLobHandler} with {@code wrapAsLob=true}, and use that LobHandler to access OID columns (but not BYTEA) in your database tables.
* <li>For all other database drivers (and for non-LOB fields that might potentially turn into LOBs on some databases): Simply use a plain {@link DefaultLobHandler}.
* </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#getAsAsciiStream
* @see java.sql.ResultSet#getAsCharacterStream
*/

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* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-jar/org/springframework/jdbc/support/lob/LobHandler.java

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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.
* <p><b>NOTE</b>: Needs to be invoked after the involved PreparedStatements have
* been executed or the affected O/R mapping sessions have been flushed.
* Otherwise, the database resources for the temporary BLOBs might stay allocated.
*/

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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])
 */

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* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1.jar/org/springframework/jdbc/support/nativejdbc/SimpleNativeJdbcExtractor.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1.jar/org/springframework/jdbc/datasource/DriverManagerDataSource.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1.jar/org/springframework/jdbc/datasource/embedded/AbstractEmbeddedDatabaseConfigurer.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1.jar/org/springframework/jdbc/datasource/embedded/AbstractEmbeddedDatabase.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1.jar/org/springframework/jdbc/datasource/DriverManagerDataSource.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1.jar/org/springframework/jdbc/support/nativejdbc/NativeJdbcExtractor.java
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* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1.jar/org/springframework/jdbc/datasource/DriverManagerDataSource.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1.jar/org/springframework/jdbc/datasource/DriverManagerDataSource.java
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* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1.jar/org/springframework/jdbc/datasource/DriverManagerDataSource.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1.jar/org/springframework/jdbc/datasource/DriverManagerDataSource.java

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* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1.jar/org/springframework/jdbc/core/JdbcTemplate.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1.jar/org/springframework/jdbc/core/namedparam/NamedParameterJdbcOperations.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1.jar/org/springframework/jdbc/core/support/JdbcBeanDefinitionReader.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1.jar/org/springframework/jdbc/core/support/SqlLobValue.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1.jar/org/springframework/jdbc/core/namedparam/NamedParameterBatchUpdateUtils.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1.jar/org/springframework/jdbc/core/namedparam/NamedParameterJdbcOperations.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1.jar/org/springframework/jdbc/core/namedparam/NamedParameterJdbcOperations.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1.jar/org/springframework/jdbc/core/namedparam/NamedParameterJdbcOperations.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1.jar/org/springframework/jdbc/core/namedparam/NamedParameterJdbcOperations.java
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* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1.jar/org/springframework/jdbc/core/namedparam/NamedParameterJdbcOperations.java
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* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/spring-jdbc-4-3-19-release-sources-1.jar/org/springframework/jdbc/datasource/SingleConnectionDataSource.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/spring-jdbc-4-3-19-release-sources-1.jar/org/springframework/jdbc/core/SqlOutParameter.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/spring-jdbc-4-3-19-release-sources-1.jar/org/springframework/jdbc/datasource/ConnectionProxy.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/spring-jdbc-4-3-19-release-sources-1.jar/org/springframework/jdbc/datasource/TransactionAwareDataSourceProxy.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/spring-jdbc-4-3-19-release-sources-1.jar/org/springframework/jdbc/core/metadata/TableMetaDataProvider.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/spring-jdbc-4-3-19-release-sources-1.jar/org/springframework/jdbc/core/BeanPropertyRowMapper.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/spring-jdbc-4-3-19-release-sources-1.jar/org/springframework/jdbc/core/namedparam/SqlParameterSourceUtils.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/spring-jdbc-4-3-19-release-sources-1.jar/org/springframework/jdbc/core/support/DatabaseStartupValidator.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/spring-jdbc-4-3-19-release-sources-1.jar/org/springframework/jdbc/core/metadata/CallMetaDataProvider.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/spring-jdbc-4-3-19-release-sources-1.jar/org/springframework/jdbc/core/RowCountCallbackHandler.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/spring-jdbc-4-3-19-release-sources-1.jar/org/springframework/jdbc/datasource/embedded/EmbeddedDatabaseFactory.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/spring-jdbc-4-3-19-release-sources-1.jar/org/springframework/jdbc/core/simple/SimpleJdbcInsertOperations.java
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/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-jar/org/springframework/jdbc/core/simple/AbstractJdbcInsert.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-jar/org/springframework/jdbc/support/incrementer/HanaSequenceMaxValueIncrementer.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-jar/org/springframework/jdbc/core/metadata/OracleTableMetaDataProvider.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-jar/org/springframework/jdbc/core/metadata/HanaCallMetaDataProvider.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-jar/org/springframework/jdbc/core/metadata/HsqlTableMetaDataProvider.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-jar/org/springframework/jdbc/support/incrementer/H2SequenceMaxValueIncrementer.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-jar/org/springframework/jdbc/core/metadata/DerbyTableMetaDataProvider.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-jar/org/springframework/jdbc/support/incrementer/Db2MainframeMaxValueIncrementer.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-jar/org/springframework/jdbc/core/simple/SimpleDriverDataSource.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-jar/org/springframework/jdbc/core/simple/SimpleJdbcInsert.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-jar/org/springframework/jdbc/support/SQLErrorCodeSQLExceptionTranslator.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-jar/org/springframework/jdbc/support/incrementer/MySQLMaxValueIncrementer.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-jar/org/springframework/jdbc/datasource/LazyConnectionDataSourceProxy.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-jar/org/springframework/jdbc/support/incrementer/Dh2MainframeMaxValueIncrementer.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-jar/org/springframework/jdbc/support/incrementer/MySQMaxValueIncrementer.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-jar/org/springframework/jdbc/core/metadata/DB2TableMetaDataProvider.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-jar/org/springframework/jdbc/support/incrementer/Db2MainframeMaxValueIncrementer.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-jar/org/springframework/jdbc/datasource/LazyConnectionDataSourceProxy.java
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* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-jar/org/springframework/jdbc/core/metadata/DB2TableMetaDataProvider.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-jar/org/springframework/jdbc/support/incrementer/MySQLMaxValueIncrementer.java
* /opt/ws_local/PERMITS_SQL/1069083130_1594481868.24/0/spring-jdbc-4-3-19-release-sources-1-jar/org/springframework/jdbc/datasource/LazyConnectionDataSourceProxy.java
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Eclipse

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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

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

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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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1.264 idna 2.7
1.264.1 Available under license:
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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 < (2,6):
        raise SystemExit("Sorry, Python 2.6 or newer required")

    package_data = {}  
    exec(open('idna/package_data.py').read(), package_data)

    arguments = {
        'name': 'idna',
        'packages': ['idna'],
        'version': package_data['__version__'],
        'description': 'Internationalized Domain Names in Applications (IDNA)',
        'long_description': io.open("README.rst", encoding="UTF-8").read(),
        'author': 'Kim Davies',
        'author_email': 'kim@cynosure.com.au',
        'license': 'BSD-like',
        'url': 'https://github.com/kjd/idna',
        'classifiers': [
            'Development Status :: 5 - Production/ Stable',
            'Intended Audience :: Developers',
            'Intended Audience :: System Administrators',
            'License :: OSI Approved :: BSD License',
            'Operating System :: OS Independent',
            'Programming Language :: Python',
            'Programming Language :: Python :: 2.6',
            '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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1.266 spring-security-core 3.2.4.RELEASE

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/**
 * Determines if the [@link #getAuthentication()] has permission to access the target given the permission
 * @param target the target domain object to check permission on
 * @param permission the permission to check on the domain object (i.e. "read", "write", etc).
 * @return true if permission is granted to the [@link #getAuthentication()], else false
 */

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  jar/org/springframework/security/access/expression/SecurityExpressionOperations.java
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/**
 * Base64 encoder which is a reduced version of Robert Harder's public domain implementation (version 2.3.7).
 * See <a href="http://iharder.net/base64">http://iharder.net/base64</a> for more information.
 * For internal use only.
 * @author Luke Taylor
 * @since 3.0
 */

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* /opt/cola/permits/1114224851_1607455148.91/0/spring-security-core-3-2-4-release-sources-3-jar/org/springframework/security/crypto/util/EncodingUtils.java
/**
* A token issued by {@link TokenService}.
* <p>
* 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.
* </p>
* *<author>Ben Alex</author>
* *<since>2.0.1</since>
*/

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jar/org/springframework/security/core/parameters/AnnotationParameterNameDiscoverer.java
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/**
 * @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
 * @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
 */

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* /opt/cola/permits/1114224851_1607455148.91/0/spring-security-core-3-2-4-release-sources-3-
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jar/org/springframework/security/crypto/bcrypt/BCryptPasswordEncoder.java
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  jar/org/springframework/security/core/parameters/DefaultSecurityParameterNameDiscoverer.java
* /opt/cola/permits/1114224851_1607455148.91/0/spring-security-core-3-2-4-release-sources-3-
  jar/org/springframework/security/access/method/P.java
* /opt/cola/permits/1114224851_1607455148.91/0/spring-security-core-3-2-4-release-sources-3-
  jar/org/springframework/security/access/expression/method/ExpressionBasedAnnotationAttributeFactory.java

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  jar/org/springframework/security/access/expression/method/MethodSecurityExpressionOperations.java
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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}. 
 * <p>
 * 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.
 * <p>
 * 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 getById(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.
 * </p>
 *
* @author Ben Alex
*/

Found in path(s):
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jar/org/springframework/security/access/intercept/AfterInvocationManager.java
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jar/org/springframework/security/authentication/jaas/memory/InMemoryConfiguration.java
* /opt/cola/permits/1114224851_1607455148.91/0/spring-security-core-3-2-4-release-sources-3-
jar/org/springframework/security/authentication/jaas/AbstractJaasAuthenticationProvider.java
* /opt/cola/permits/1114224851_1607455148.91/0/spring-security-core-3-2-4-release-sources-3-
jar/org/springframework/security/authentication/jaas/DefaultJaasAuthenticationProvider.java
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In this case, the MD4PasswordEncoder.java file, located at

```
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* jar/org/springframework/security/authentication/encoding/Md4PasswordEncoder.java
```

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/**
 * Implementation of the MD4 message digest derived from the RSA Data Security, Inc, MD4 Message-Digest
 * Algorithm.
 *
 * @author Alan Stewart
 */
```

Also, the Md4.java file, located at:

```
* /opt/cola/permits/1114224851_1607455148.91/0/spring-security-core-3-2-4-release-sources-3-
* jar/org/springframework/security/authentication/encoding/Md4.java
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 * Algorithm.
 *
 * @author Alan Stewart
 */
```

Python 3.7.9-1+xenial1

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>.

It was downloaded from http://python.org/

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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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<th>Owner</th>
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2.1.2 2.1.1 2002 PSF yes
2.1.3 2.1.2 2002 PSF yes
2.2 and above 2.1.1 2001-now PSF yes

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Mersenne Twister

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

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

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Sockets
-------

The `socket' module uses the functions, `getaddrinfo', and `getlineinfo', 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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Version 3, 29 June 2007

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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;

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 * 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
*/

```java
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;
  }

  /**
   * @param name the name of a file
   * @return true if the specified name is included in the action list,
   * and if the permission is granted by the current principal.
   */
  @Override
  public boolean implies(String name) {
    return false;
  }

  /**
   * @param other the other permission
   * @return true if both permissions are granted by the current
   * principal.
   */
  @Override
  public boolean implies(Permission other) {
    return false;
  }

  /**
   * @return the name of this permission.
   */
  @Override
  public String name() {
    return name;
  }

  @Override
  public boolean equals(Object o) {
    return this == o;
  }

  @Override
  public int hashCode() {
    return name.hashCode();
  }

  @Override
  public String toString() {
    return 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());
    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

@node Library Copying
@appendixsec GNU LESSER GENERAL PUBLIC LICENSE

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

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@appendixsubsec Preamble

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

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@end example

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

That's all there is to it!
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or based on this library.  If you modify this library, you may extend
this exception to your version of the library, but you are not
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 <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();
}

<?xml version="1.0" encoding="UTF-8" standalone="no"?>
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<meta http-equiv="Content-Type" content="text/html; charset=UTF-8"/>
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<meta name="generator" content="DocBook XSL-NS Stylesheets V1.78.1"/>
<meta name="keywords" content="ISO C++, library"/>
<meta name="keywords" content="ISO C++, runtime, library"/>
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<link rel="prev" href="status.html" title="Chapter1.Status"/>
<link rel="next" href="bugs.html" title="Bugs"/>
</head>
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<th width="60%" align="center">Chapter1.Status</th>
<td width="20%" align="right"><a accesskey="n" href="bugs.html">Next</a></td>
</tr>
</table>
<hr/>
</div>
<div class="section"
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Version 3, 29 June 2007

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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 false;
    }

}
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>" + " + tags[i].text() + "</dt>");
        }
    }
    result.append("</dl>");
    return result.toString();
} else {
    return null;
}
}

@ignore
@c Set file name and title for man page.
@c setfilename gpl
@c settitle GNU General Public License
@c man begin SEEALSO
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@c man end
@c man begin COPYRIGHT
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@c man end
@c ignore
@c node Copying
@c man begin DESCRIPTION
@unnumbered GNU General Public License
@center Version 3, 29 June 2007
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```
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@end smallexample
```

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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() {

        package gnu.classpath.tools.taglets;

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        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() {

                Open Source Used In DNAC System Engineering fury 4694
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;
}

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#
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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.

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',
            ...])

Open Source Used In DNAC System Engineering fury 4697
'idl-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',
'lt.options.m4',
'lt.sugar.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 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*\s*and\s*\s*\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(r
    # 1: 'Copyright (C)', etc.
    '(\[Cc\]opyright\s+\[Cc\])\n    \[[Cc]\]opyright\s+\%s\n    \[[Cc]\]opyright\s+&copy;\n    \[[Cc]\]opyright\s+@copyright\s\n    \[copyright = u\"\n    \[@set\s+copyright\s-]+\)
    # 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
    '\(by\s+=\)?\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 + ')\n    # 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' }
    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 ('\n')
while index >= 0:
    self.holder_prefixes.add (holder[:index])
    index = holder.find ('\n', 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[1:-1]
              + (')' if intro.startswith ('copyright = ') else '
              } else ')

    # 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[1:-1]
              + (')' if intro.startswith ('copyright = ') else '
              } 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()):

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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 ('nDirectories:\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 owned 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.
        })
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(r'// (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.')
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 = [
GCCCmdLine().main()

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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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<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_OUTPUTAligned_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), 	.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. */
/*1-
7++;?C.G.K,O!;S"#QYSL*+%-+WWXY-.
/01A
*2Y+S4\n
7806)+=>+29<+
BYDN-EGW67+29<-%-KYO+29RURWG+-YGW-[F`adfe+k/l7m>nDoSpunstw>\]^_`
`a7TbcA">`ade

// 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;

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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#ifdef __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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/><link rel="home" href="../spine.html" title="The GNU C++ Library Documentation" /><link rel="up" href="status.html" title="Chapter1.Status" /><link rel="prev" href="status.html" title="Chapter1.Status" /><link rel="next" href="bugs.html" title="Bugs" /></head><body><div class="navheader"><table width="100%" summary="Navigation header"><tr><th colspan="3" align="center">License</th></tr><tr><td width="20%" align="left"><a accesskey="p" href="status.html">Prev</a></td><th width="60%" align="center">Chapter1.Status</th><td width="20%" align="right"><a accesskey="n" href="bugs.html">Next</a></td></tr></table><hr/></div><div class="sect1 lang-en xml:lang="en"><div class="titlepage"><div><div><h2 class="title" style="clear: both"><a id="manual.intro.status.license"></a>License</h2></div></div></div><p>There are two licenses affecting GNU libstdc++: one for the code, and one for the documentation.</p><div class="sect2 lang-en xml:lang="en"><div class="titlepage"><div><div><h3 class="title"><a id="manual.intro.status.license.gpl"></a>The Code: GPL</h3></div></div></div><p>There is a license section in the FAQ regarding common <a class="link" href="../faq.html#faq.license" title="License">questions</a>. If you have more questions, ask the FSF or the <a class="ulink" href="http://gcc.gnu.org/lists.html" target="_top">gcc mailing list</a>.</p><p>There are two licenses affecting GNU libstdc++: one for the code, and one for the documentation.</p><p>There is a license section in the FAQ regarding common <a class="link" href="../faq.html#faq.license" title="License">questions</a>. If you have more questions, ask the FSF or the <a class="link" href="http://gcc.gnu.org/lists.html" target="_top">gcc mailing list</a>.</p>
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Version 3.1, March 2009

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Version 3.1, 31 March 2009

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SourceFile AudioSecurityManager.java
Signature CL java/lang/Enum < Lgnu/javasound/AudioSecurityManager$Permission; > ; InnerClasses 4 $gnu/javasound/AudioSecurityManager
Permission @ I @@ @

eAYYYYYSYSYS
G' E
1 * + E !
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That's all there is to it!

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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_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
", (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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*m4/ax_func_which_gethostbyname_r.m4*

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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>.
 *
 * @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>"([' + getCollection().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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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 Debain.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-@BV@</td>
<td>libgnat-@BV@</td>
<td>gnat-@BV@-doc</td>
</tr>
<tr>
<td>C</td>
<td>gcc-@BV@</td>
<td>libstdc++6</td>
<td>libstdc++6-@BV@-doc</td>
</tr>
<tr>
<td>C++</td>
<td>g++-@BV@</td>
<td>libstdc++6</td>
<td>libstdc++6-@BV@-doc</td>
</tr>
<tr>
<td>Fortran 95</td>
<td>gfortran-@BV@</td>
<td>libgfortran3</td>
<td>gfortran-@BV@-doc</td>
</tr>
<tr>
<td>Java</td>
<td>gcj-@BV@</td>
<td>libgcj10</td>
<td>libgcj-doc</td>
</tr>
<tr>
<td>Objective C</td>
<td>gobjc-@BV@</td>
<td>libobjc2</td>
<td></td>
</tr>
<tr>
<td>Objective C++</td>
<td>gobjc++-@BV@</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>
<tbody>
<tr>
<td>C++</td>
<td>libstdc++6-@BV@-dbg</td>
<td>libstdc++6-@BV@-pic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Java</td>
<td>libgcj10-src</td>
<td>libgcj10-dev</td>
<td>libgcj10-dbg</td>
<td></td>
</tr>
</tbody>
</table>

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:
- gjj: The Java bytecode interpreter and VM
- gcj-common: Common files for the Java run-time
- gcj10-awt: The Abstract Windowing Toolkit
- gcj10-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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Version 3.1, 31 March 2009

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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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<head>
<meta name="generator" content="HTML Tidy for Linux/x86 (vers 12 April 2005), see www.w3.org" />
<title>What, me worry?</title>
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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$;
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#ifndef __gnu_javax_sound_AudioSecurityManager$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$VALUES;
    public:
    static ::java::lang::Class class$;
};

#undef __gnu_javax_sound_AudioSecurityManager$Permission__

This package was debianized by Matthias Klose <doko@debian.org> on Mon, 5 Jul 2004 21:29:57 +0200

Mudflap is part of GCC.
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@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;
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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 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-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></td>
<td></td>
</tr>
<tr>
<td>C++</td>
<td>g++-4.4</td>
<td>libstdc++6</td>
<td></td>
</tr>
<tr>
<td>Fortran 95</td>
<td>gfortran-4.4</td>
<td>libgfortran3</td>
<td></td>
</tr>
<tr>
<td>Java</td>
<td>gcj-4.4</td>
<td>libgcj10</td>
<td></td>
</tr>
<tr>
<td>Objective C</td>
<td>gobjc-4.4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Objective C++</td>
<td>gobj++-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>
<tbody>
<tr>
<td>C++</td>
<td>libstdc++6-4.4-dbg</td>
<td>libstdc++6-4.4-pic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Java</td>
<td>libgcj10-src libgcj10-dev libgcj10-dbg</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Additional packages include:

All languages:
lbgcc1, lbgcc2, lbgcc4     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
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gcc/emults.c, gcc/gbl-ctors.h, gcc/gcov-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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Version 3.1, 31 March 2009

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<init>(Ljava/lang/String;I)VLineNumberTableLocalVariableTable
thisvalues4()[Lgnu/javasound/AudioSecurityManager$Permission;$&%java/lang/System'(arraycopy*(Ljava/lang/Object;ILjava/lang/Object;II)VvalueOfE(Ljava/lang/String;)Ljava/lang/Enum;)-5(Ljava/lang/Class;Ljava/lang/String;);Ljava/lang/Enum;
SourceFileAudioSecurityManager.java
SignatureCLjava/lang/Enum<Lgnu/javasound/AudioSecurityManager$Permission;>:InnerClasses4Sgnu/javasound/AudioSecurityManager
Permission@1@@@

eAYYYYYSYSYS
G'E
1*+E !'
6YK*Y<YM#,),*
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*+.I012
35@
" 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<>.
.tr !(W-
.ds C+ C\v'-.1v'\h'-.1p'\s+2+\h'-.1p'\s0\v'.1v'\h'-.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' "'
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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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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// 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$;
};

#else // __java_security_Permission__

#endif // __java_security_Permission__

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```cpp
#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@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(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.)

@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{} 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
@c man end
@end ignore
@node Copying
@c man begin DESCRIPTION
@unnumbered GNU GENERAL PUBLIC LICENSE
@center Version 2, June 1991

@c This file is intended to be included in another file.

@display
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@end example

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@c man end

1.273 minio 4.0.0

1.274 unirest-java 1.4.5

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*/

1.275 jersey-container-servlet-core 2.1

1.276 adduser 3.113+nmu3ubuntu4

1.276.1 Available under license :

This package was first put together by Ian Murdock
<i>imurdock@debian.org</i> and was maintained by Steve Phillips
<i>sjp@cvfn.org</i> from sources written for the Debian Project by Ian
Murdock, Ted Hajek <i>tedhajek@boombox.micro.umn.edu</i>, and Sven Rudolph
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Since Nov 27 1996, it was maintained by Guy Maor <i>maor@debian.org</i>. He
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1.277 gunicorn 19.9.0
1.277.1 Available under license :

Gunicorn

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```
gunicorn.logging_config
-----------------------
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------------
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---------------

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doc/sitemap_gen.py

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util/unlink.py
-------------

backport frop python3 Lib/test/support.py

unicorn/selectors.py
---------------------

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1.278 click 7.1.2

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Found in path(s):
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/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-3-Clause",
    maintainer="Pallets",
    maintainer_email="contact@palletsprojects.com",
    description="Composable command line interface toolkit",
    long_description=readme,
    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.*",
    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 :: 3",
    ],
)

Found in path(s):
* /opt/cola/permits/1111889562_1607005372.31/0/click-7-1-2-1.tar-gz/click-7.1.2/LICENSE.rst
No license file was found, but licenses were detected in source scan.
# binary only, patch it back to the system, and then use a wrapper

Found in path(s):
* /opt/cola/permits/1111889562_1607005372.31/0/click-7-1-2-1-tar-gz/click-7.1.2/src/click/_compat.py
No license file was found, but licenses were detected in source scan.

.. _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/

Found in path(s):
* /opt/cola/permits/1111889562_1607005372.31/0/click-7-1-2-1-tar-gz/click-7.1.2/docs/contrib.rst
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Including attribution to #612

Found in path(s):
* /opt/cola/permits/1111889562_1607005372.31/0/click-7-1-2-1-tar-gz/click-7.1.2/tests/test_formatting.py
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Metadata-Version: 1.2
Name: click
Version: 7.1.2
Summary: Composable command line interface toolkit
Home-page: https://palletsprojects.com/p/click/
Maintainer: Pallets
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`:

```bash
$ pip install -U click
```


A Simple Example
----------------

```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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-----

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/
- Documentation: https://click.palletsprojects.com/
- Releases: https://pypi.org/project/click/
- Code: https://github.com/pallets/click
- Issue tracker: https://github.com/pallets/click/issues
- Test status: https://dev.azure.com/pallets/click/_build
- Official chat: https://discord.gg/t6rrQZH

Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
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 :: 3
Requires-Python: >=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*, !=3.4.*

Found in path(s):
1.279 bsh 2.0b4

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/**
 * Print the string value of the argument, which may be of any type.
 * If beanshell is running interactively, the output will always go to the
 * command line, otherwise it will go to System.out.
 *<p>
 * Most often the printed value of an object will simply be the Java
 * toString() of the object. However if the argument is an array the contents
 * of the array will be (recursively) listed in a verbose way.
 *<p>
 * Note that you are always free to use System.out.println()
 * instead of print().
 */

Found in path(s):
* /opt/cola/permits/1125281357_1611281129.18/0/bsh-2-0b4-jar/bsh/commands/print.bsh

1.280 libsqlite 3.11.0 1ubuntu1.5

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<table width="100%" cellpadding="0" cellspacing="0">
<tr>
<td width="60%" valign="top">
Signature:
</td><td valign="top" align="left">
</td>
</tr>
</table>
</p>
This package was adopted by Tomas Fasth <tomfa@debian.org> on 
Mon, 01 Aug 2005 14:48:55 +0000

This package was debianized by Andreas Rottmann <rotty@debian.org> on 
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It was downloaded from http://www.sqlite.org.

Upstream Author: D. Richard Hipp <drh@hwaci.com>

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Source: http://www.sqlite.org/cgi/src/dir?ci/trunk

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gMsg = "Search SQLite Docs..."
function entersearch() {
    var q = document.getElementById("q");
    if( q.value == gMsg ) { q.value = "*****" }
    q.style.color = "black"
    q.style.fontStyle = "normal"
}
function leavesearch() {
    var q = document.getElementById("q");
    if( q.value == "*****" ) {
        q.value = gMsg
        q.style.color = "#044a64"
        q.style.fontStyle = "italic"
    }
function hideorshow(btn,obj)
{
    var x = document.getElementById(obj);
    var b = document.getElementById(btn);
    if (x.style.display!='none'){
        x.style.display = 'none';
        b.innerHTML='show';
    }else{
        x.style.display = ';
        b.innerHTML='hide';
    }
    return false;
}
</script>
</td>
<td>
<form name=f method="GET" action="https://www.sqlite.org/search">
    <input id=q name=q type=text onfocus="entersearch()" onblur="leavesearch()" style="width:24ex;padding:1px 1ex; border:solid white 1px; font-size:0.9em; font-style:italic;color:#044a64;" value="Search SQLite Docs...">
    <input type=submit value="Go" style="border:solid white 1px;background-color:#044a64;color:white;font-size:0.9em;padding:0 1ex">
</form>
</div>
</table>
<div class=startsearch></div>
<h2>SQLite Is Public Domain</h2>
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Upstream-Name: sqlite3
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1.281 mongo-jackson-codec 3.2.2__0.5
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1.282 swagger-springmvc 0.8.8

1.283 idna 2.10

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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',
    }

    setup(**arguments)
'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-b8debf9/setup.py
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1.284 spring-test 3.2.8.RELEASE
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  jar/org/springframework/test/ConditionalTestCase.java
* /opt/cola/permits/1111265173_1607987657.39/0/spring-test-3-2-8-release-sources-1-
  jar/org/springframework/test/annotation/SystemProfileValueSource.java

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  jar/org/springframework/test/AbstractTransactionalDataSourceSpringContextTests.java
* /opt/cola/permits/1111265173_1607987657.39/0/spring-test-3-2-8-release-sources-1-
  jar/org/springframework/test/web/client/MockRestServiceServer.java
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jar/org/springframework/test/util/AssertionErrors.java
* /opt/cola/permits/1111265173_1607987657.39/0/spring-test-3-2-8-release-sources-1-
jar/org/springframework/test/context/ActiveProfiles.java
* /opt/cola/permits/1111265173_1607987657.39/0/spring-test-3-2-8-release-sources-1-
jar/org/springframework/test/web/AbstractModelAndViewTests.java
* /opt/cola/permits/1111265173_1607987657.39/0/spring-test-3-2-8-release-sources-1-
jar/org/springframework/test/context/transaction/AfterTransaction.java
* /opt/cola/permits/1111265173_1607987657.39/0/spring-test-3-2-8-release-sources-1-
jar/org/springframework/test/annotation/ExpectedException.java
* /opt/cola/permits/1111265173_1607987657.39/0/spring-test-3-2-8-release-sources-1-
jar/org/springframework/test/web/client/package-info.java
* /opt/cola/permits/1111265173_1607987657.39/0/spring-test-3-2-8-release-sources-1-
jar/org/springframework/test/context/support/AnnotationConfigContextLoader.java
* /opt/cola/permits/1111265173_1607987657.39/0/spring-test-3-2-8-release-sources-1-
jar/org/springframework/test/context/support/AbstractDelegatingSmartContextLoader.java
* /opt/cola/permits/1111265173_1607987657.39/0/spring-test-3-2-8-release-sources-1-
jar/org/springframework/test/web/client/RequestMatcher.java
* /opt/cola/permits/1111265173_1607987657.39/0/spring-test-3-2-8-release-sources-1-
jar/org/springframework/test/web/client/RequestMatcher.java
* /opt/cola/permits/1111265173_1607987657.39/0/spring-test-3-2-8-release-sources-1-
jar/org/springframework/test/web/client/package-info.java
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jar/org/springframework/test/web/package-info.java
* /opt/cola/permits/1111265173_1607987657.39/0/spring-test-3-2-8-release-sources-1-
jar/org/springframework/test/context/support/AbstractDelegatingSmartContextLoader.java
* /opt/cola/permits/1111265173_1607987657.39/0/spring-test-3-2-8-release-sources-1-
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* /opt/cola/permits/1111265173_1607987657.39/0/spring-test-3-2-8-release-sources-1.jar/org/springframework/mock/web/PassThroughFilterChain.java
* /opt/cola/permits/1111265173_1607987657.39/0/spring-test-3-2-8-release-sources-1.jar/org/springframework/mock/web/portlet/MockResourceRequest.java
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jar/org/springframework/mock/web/portlet/MockPortletPreferences.java
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jar/org/springframework/mock/web/portlet/MockPortletURL.java
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jar/org/springframework/mock/web/portlet/MockPortletResponse.java
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jar/org/springframework/mock/web/MockFilterConfig.java

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1.285 converter-moshi 2.9.0

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* /opt/cola/permits/1125278247_1611280592.09/0/converter-moshi-2-9-0-sources-jar/retrofit2/converter/moshi/MoshiConverterFactory.java
* /opt/cola/permits/1125278247_1611280592.09/0/converter-moshi-2-9-0-sources-jar/retrofit2/converter/moshi/MoshiRequestBodyConverter.java

1.286 libfakeroot 1.20.2-1ubuntu1

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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();
}
/* Symbol concatenation utilities.

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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

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


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this exception to your version of the library, but you are not
obligated to do so. If you do not wish to do so, delete this
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.
 *
 * 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
 */

class 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
#!/bin/sh

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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() + "</i></dt>");
                }
            }
            result.append("</dl>");
            return result.toString();
        } else {
            return null;
        }
    }
}

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@end c man

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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
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 (dou@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@roucho.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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Jan 21, 2002

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#!/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/.
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'])
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](?:\[-0-9,.\s\]|\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'(\[Cc\]opyright\s+\(\[Cc\]\))|
                                         \[Cc\]opyright\s+%s
                                         [Cc]\]opyright\s+\$\)
        # 1: 'Copyright (C)', etc.
        # [Cc]opyright\s+\$\)
        # [Cc]\]opyright\s+$\)
# 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.tex).
'( + 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)'

    # Use the standard (C) form.
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...

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',
        ])  
        self.skip_extensions |= set ([
            # Handled separately.
            'testsuite',
        ])  
        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.
            '# 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 automatically-generated sources.
            'html',

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

            # Contains imported images
            'images',
        ])
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, 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('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.')
        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('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('libbitm')
    self.add_dir(os.path.join('libjava', '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',
        'libffi',
        'libgcc',
        'libgfortran',
        'libgomp',
        'libiberty',
        'libbitm',
        'libobjc',
        'libquadmath',
        'libssp',
        'libstdc++-v3',
        'libvtv',
        'lto-plugin',
        'zlib']
'libgcc',
'libgfortran',
'libgomp',
'libitm',
'libmudflap',
'libobjc',
'libstdc++-v3',
]

GCCCmdLine().main()

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```markdown
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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 __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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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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#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__

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Developed by:

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<tbody>
<tr>
<td>mach_override</td>
<td>lib/interception/mach_override</td>
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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));

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

  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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1.292 uuid 1.6.2-1.5build2

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```
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##
## uuid.pod: manual page
##
```
VERSION

OSSP uuid UUID_VERSION_STR

DESCRIPTION

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

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

This is the ISO-C application programming interface (API) of B<OSSP uuid>.

UUID Binary Representation

According to the DCE 1.1, ISO/IEC 11578:1996 and IETF RFC-4122 standards, a DCE 1.1 variant UUID is a 128 bit number defined out of 7 fields, each field a multiple of an octet in size and stored in network byte order:

```
  -----------------------------------------------
  |  15 |  14 |  13 |  12 |  11 |  10 | 9  |  8  |  
  | MSO | || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || || |```
An example of a UUID binary representation is the octet stream C<0xF8 0x1D 0x4F 0xAE 0x7D 0xEC 0x11 0xD0 0xA7 0x65 0x00 0xA0 0xC9 0x1E 0x6B 0xF6>. The binary representation format is exactly what the B<oss_uuid> API functions B<uuid_import>() and B<uuid_export>() deal with under C<UUID_FMT_BIN>.

=head2 UUID ASCII String Representation

According to the DCE 1.1, ISO/IEC 11578:1996 and IETF RFC-4122 standards, a DCE 1.1 variant UUID is represented as an ASCII string consisting of 8 hexadecimal digits followed by a hyphen, then three groups of 4 hexadecimal digits each followed by a hyphen, then 12 hexadecimal digits. Formally, the string representation is defined by the following grammar:

```
uuid                        = <time_low> "-"  
                           <time_mid> "-"  
                           <time_high_and_version> "-"  
                           <clock_seq_high_and_reserved>  
                           <clock_seq_low> "-"  
                           <node>

time_low                   = 4*<hex_octet>
time_mid                   = 2*<hex_octet>
time_high_and_version      = 2*<hex_octet>
clock_seq_high_and_reserved = <hex_octet>
clock_seq_low              = <hex_octet>
node                       = 6*<hex_octet>
```
hex_octet   = <hex_digit> <hex_digit>
hex_digit   = "0"|"1"|"2"|"3"|"4"|"5"|"6"|"7"|"8"|"9"
|"a"|"b"|"c"|"d"|"e"|"f"
|"A"|"B"|"C"|"D"|"E"|"F"

An example of a UUID string representation is the ASCII string
"C<81d4fae-7dec-11d0-a765-00a0c91e6bf6>". The string representation
format is exactly what the B<oss uuid> API functions B<uuid_import>()
and B<uuid_export>() deal with under C<UUID_FMT_STR>.

Notice: a corresponding URL can be generated out of a ASCII string
representation of an UUID by prefixing with "C<urn:uuid:>", as in
"C<urn:uuid:f81d4fae-7dec-11d0-a765-00a0c91e6bf6>".

=head2 UUID Single Integer Value Representation

According to the ISO/IEC 11578:1996 and ITU-T Rec. X.667 standards, a
DCE 1.1 variant UUID can be also represented as a single integer value
consisting of a decimal number with up to 39 digits.

An example of a UUID single integer value representation is the decimal
number "C<329800735698586629295641978511506172918>". The string
representation format is exactly what the B<oss uuid> API functions
B<uuid_import>() and B<uuid_export>() deal with under C<UUID_FMT_SIV>.

Notice: a corresponding ISO OID can be generated under the
"{joint-iso-itu-t(2) uuid(25)}" arc out of a single integer value
representation of a UUID by prefixing with "C<2.25.>". An example OID
is "C<2.25.329800735698586629295641978511506172918>". Additionally,
an URL can be generated by further prefixing with "C<urn:oid:>", as in
"C<urn:oid:2.25.329800735698586629295641978511506172918>".

=head2 UUID Variants and Versions

A UUID has a variant and version. The variant defines the layout of the
UUID. The version defines the content of the UUID. The UUID variant
supported in B<oss uuid> is the DCE 1.1 variant only. The DCE 1.1 UUID
variant versions supported in B<oss uuid> are:

=over 4

=item B<Version 1> (time and node based)

These are the classical UUIDs, created out of a 60-bit system time,
a 14-bit local clock sequence and 48-bit system MAC address. The MAC
address can be either the real one of a physical network interface card
(NIC) or a random multi-cast MAC address. Version 1 UUIDs are usually
used as one-time global unique identifiers.
Version 3 UUIDs are guaranteed to be inherently globally unique if the combination of namespace and name used to generate them is unique.

Version 4 UUIDs are not guaranteed to be globally unique, because they are generated out of locally gathered pseudo-random numbers only. Nevertheless there is still a high likelihood of uniqueness over space and time and that they are computationally difficult to guess.

=head2 Nil UUID
There is a special nil UUID consisting of all octets set to zero in the binary representation. It can be used as a special UUID value which does not conflict with real UUIDs.

=head1 APPLICATION PROGRAMMING INTERFACE

The ISO-C Application Programming Interface (API) of B<oss uuid> consists of the following components.

=head2 CONSTANTS

The following constants are provided:

=over 4

=item B<UUID_VERSION>

The hexadecimal encoded B<oss uuid> version. This allows compile-time checking of the B<oss uuid> version. For run-time checking use B<uuid_version>() instead.

The hexadecimal encoding for a version "$v.$r.$t.$l" is calculated with the B<GNU shtool> B<version> command and is (in Perl-style for concise description) "sprintf('0x%x%02x%d%02x', $v, $r, \{qw(s 9 . 2 b 1 a 0)\}->{$t}, ($t eq 's' ? 99 : $l))", i.e., the version 0.9.6 is encoded as "0x009206".

=item B<UUID_LEN_BIN>, B<UUID_LEN_STR>, B<UUID_LEN_SIV>

The number of octets of the UUID binary and string representations. Notice that the lengths of the string representation (B<UUID_LEN_STR>) and the lengths of the single integer value representation (B<UUID_LEN_SIV>) does not include the necessary C<NUL> termination character.

=item B<UUID_MAKE_V1>, B<UUID_MAKE_V3>, B<UUID_MAKE_V4>, B<UUID_MAKE_V5>, B<UUID_MAKE_MC>

The I<mode> bits for use with B<uuid_make>(). The B<UUID_MAKE_V>I<N> specify which UUID version to generate. The B<UUID_MAKE_MC> forces the use of a random multi-cast MAC address instead of the real physical MAC address in version 1 UUIDs.

=item B<UUID_RC_OK>, B<UUID_RC_ARG>, B<UUID_RC_MEM>, B<UUID_RC_SYS>, B<UUID_RC_INT>, B<UUID_RC_IMP>

The possible numerical return-codes of API functions. The C<UUID_RC_OK> indicates success, the others indicate errors.
Use `B<uuid_error>()` to translate them into string versions.

- The `B<fmt>` formats for use with `B<uuid_import>()` and `B<uuid_export>()`.

  - `B<UUID_FMT_BIN>` indicates the UUID binary representation (of length `B<UUID_LEN_BIN>`), the `B<UUID_FMT_STR>` indicates the UUID string representation (of length `B<UUID_LEN_STR>`), the `B<UUID_FMT_SIV>` indicates the UUID single integer value representation (of maximum length `B<UUID_LEN_SIV>`) and the `B<UUID_FMT_TXT>` indicates the textual description (of arbitrary length) of a UUID.

=head2 FUNCTIONS

The following functions are provided:

- `B<uuid_create>(uuid_t **I<uuid>)` - Create a new UUID object and store a pointer to it in `C<*>I<uuid>`. A UUID object consists of an internal representation of a UUID, the internal PRNG and MD5 generator contexts, and cached MAC address and timestamp information. The initial UUID is the `I<Nil>` UUID.

- `B<uuid_destroy>(uuid_t *I<uuid>)` - Destroy UUID object `I<uuid>`.

- `B<uuid_clone>(const uuid_t *I<uuid>, uuid_t **I<uuid_clone>)` - Clone UUID object `I<uuid>` and store new UUID object in `I<uuid_clone>`.

- `B<uuid_isnil>(const uuid_t *I<uuid>, int *I<result>)` - Checks whether the UUID in `I<uuid>` is the `I<Nil>` UUID. If this is the case, it returns `I<true>` in `C<*>I<result>`. Else it returns `I>false` in `C<*>I<result>.

- `B<uuid_compare>(const uuid_t *I<uuid>, const uuid_t *I<uuid2>, int *I<result>)` - Compares the order of the two UUIDs in `I<uuid1>` and `I<uuid2>` and returns the result in `C<*>I<result>`: `C<-1>` if `I<uuid1>` is smaller than `I<uuid2>`, `C<0>` if `I<uuid1>` is equal to `I<uuid2>` and `C<+1>` if `I<uuid1>` is greater than `I<uuid2>`. 
Imports a UUID I<uuid> from an external representation of format I<fmt>. The data is read from the buffer at I<data_ptr> which contains at least I<data_len> bytes.

The format of the external representation is specified by I<fmt> and the minimum expected length in I<data_len> depends on it. Valid values for I<fmt> are B<UUID_FMT_BIN>, B<UUID_FMT_STR> and B<UUID_FMT_SIV>.

Exports a UUID I<uuid> into an external representation of format I<fmt>. Valid values for I<fmt> are B<UUID_FMT_BIN>, B<UUID_FMT_STR>, B<UUID_FMT_SIV> and B<UUID_FMT_TXT>.

The data is written to the buffer whose location is obtained by dereferencing I<data_ptr> after a "cast" to the appropriate pointer-to-pointer type. Hence the generic pointer argument I<data_ptr> is expected to be a pointer to a "pointer of a particular type", i.e., it has to be of type "C<unsigned char ***>" for B<UUID_FMT_BIN> and "C<char ***>" for B<UUID_FMT_STR>, B<UUID_FMT_SIV> and B<UUID_FMT_TXT>.

The buffer has to be room for at least C<*>I<data_len> bytes. If the value of the pointer after "casting" and dereferencing I<data_ptr> is C<NULL>, I<data_len> is ignored as input and a new buffer is allocated and returned in the pointer after "casting" and dereferencing I<data_ptr> (the caller has to free(3) it later on).

If I<data_len> is not C<NULL>, the number of available bytes in the buffer has to be provided in C<*>I<data_len> and the number of actually written bytes are returned in C<*>I<data_len> again. The minimum required buffer length depends on the external representation as specified by I<fmt> and is at least B<UUID_LEN_BIN> for B<UUID_FMT_BIN>, B<UUID_LEN_STR> for B<UUID_FMT_STR> and B<UUID_LEN_SIV> for B<UUID_FMT_SIV>. For B<UUID_FMT_TXT> a buffer of unspecified length is required and hence it is recommended to allow B<OSSP uuid> to allocate the buffer as necessary.

Loads a pre-defined UUID value into the UUID object I<uuid>. The following I<name> arguments are currently known:

=over 4
The "C<ns:>I<XXX>" are names of pre-defined name-space UUIDs for use in the generation of DCE 1.1 version 3 and version 5 UUIDs.

Generates a new UUID in I<uuid> according to I<mode> and optional arguments (dependent on I<mode>).

If I<mode> contains the C<UUID_MAKE_V1> bit, a DCE 1.1 variant UUID of version 1 is generated. Then optionally the bit C<UUID_MAKE_MC> forces the use of random multi-cast MAC address instead of the real physical MAC address (the default). The UUID is generated out of the 60-bit current system time, a 12-bit clock sequence and the 48-bit MAC address.

If I<mode> contains the C<UUID_MAKE_V3> or C<UUID_MAKE_V5> bit, a DCE 1.1 variant UUID of version 3 or 5 is generated and two additional arguments are expected: first, a namespace UUID object (C<uuid_t *>); second, a name string of arbitrary length (C<const char *>). The UUID is generated out of the 128-bit MD5 or 160-bit SHA-1 from the concatenated octet stream of namespace UUID and name string.

If I<mode> contains the C<UUID_MAKE_V4> bit, a DCE 1.1 variant UUID of version 4 is generated. The UUID is generated out of 128-bit random data.

Returns a constant string representation corresponding to the return-code I<rc> for use in displaying B<OSSP uuid> errors.

Returns the hexadecimal encoded B<OSSP uuid> version as compiled into the library object files. This allows run-time checking of the B<OSSP
For compile-time checking use `UUID_VERSION` instead.

**EXAMPLE**

The following shows an example usage of the API. Error handling is omitted for code simplification and has to be re-added for production code.

```c
/* generate a DCE 1.1 v1 UUID from system environment */
char *uuid_v1(void)
{
    uuid_t *uuid;
    char *str;

    uuid_create(&uuid);
    uuid_make(uuid, UUID_MAKE_V1);
    str = NULL;
    uuid_export(uuid, UUID_FMT_STR, &str, NULL);
    uuid_destroy(uuid);
    return str;
}

/* generate a DCE 1.1 v3 UUID from an URL */
char *uuid_v3(const char *url)
{
    uuid_t *uuid;
    uuid_t *uuid_ns;
    char *str;

    uuid_create(&uuid);
    uuid_create(&uuid_ns);
    uuid_load(uuid_ns, "ns:URL");
    uuid_make(uuid, UUID_MAKE_V3, uuid_ns, url);
    str = NULL;
    uuid_export(uuid, UUID_FMT_STR, &str, NULL);
    uuid_destroy(uuid_ns);
    uuid_destroy(uuid);
    return str;
}
```

**SEE ALSO**

The following are references to `UUID` documentation and specifications:
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=item

B<Universally Unique IDentifier (UUID) URN Namespace>,
P. Leach, M. Mealling, R. Salz,
IETF RFC-4122,
July 2005, 32 pages,
http://www.ietf.org/rfc/rfc4122.txt

=item

Information Technology -- Open Systems Interconnection (OSI),
B<Procedures for the operation of OSI Registration Authorities:
Generation and Registration of Universally Unique Identifiers (UUIDs)
and their Use as ASN.1 Object Identifier Components>,
December 2004, 25 pages,

=item

B<DCE 1.1: Remote Procedure Call>,
appendix B<Universally Unique Identifier>,
Open Group Technical Standard
Document Number C706, August 1997, 737 pages,
(supersedes C309 DCE: Remote Procedure Call 8/1994,
which was basis for ISO/IEC 11578:1996 specification),
http://www.opengroup.org/publications/catalog/c706.htm

=item

Information technology -- Open Systems Interconnection (OSI),
B<Remote Procedure Call (RPC)>,
ISO/IEC 11578:1996,
August 2001, 570 pages, (CHF 340,00),
http://www.iso.ch/cate/d2229.html

=item

B<HTTP Extensions for Distributed Authoring (WebDAV)>,
section B<6.4.1 Node Field Generation Without the IEEE 802 Address>,
IETF RFC-2518,
February 1999, 94 pages,
http://www.ietf.org/rfc/rfc2518.txt

=item

B<DCE 1.1 compliant UUID functions>,
FreeBSD manual pages uuid(3) and uuidgen(2),
**HISTORY**

B `<OSSP uuid>` was implemented in January 2004 by Ralf S. Engelschall. It was prompted by the use of UUIDs in the B `<OSSP as>` and B `<OpenPKG>` projects. It is a clean room implementation intended to be strictly standards compliant and maximum portable.

**SEE ALSO**

`uuid(1)`, `uuid-config(1)`, `OSSP::uuid(3)`.

---

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 */
```
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** uuid++.hh: library C++ API definition
*/

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 **
 ** uuid_md5.h: MD5 API definition
*/

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uuid++ is the ISO-C++ language binding of the OSSP uuid C API.
It provides a thin ISO-C++ class UUID wrapping the ISO-C API type

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It provides a thin ISO-C++ class UUID wrapping the ISO-C API type

APPLICATION PROGRAMMING INTERFACE

The ISO-C++ Application Programming Interface (API) of OSSP uuid
consists of the following components:

CONSTANTS

The constants are the same to those provided by the ISO-C API.
See uuid(3) for details.

CLASSES
The following classes are provided:

=item B<uuid>

This is the class corresponding to the C API type B<uuid_t>. It is the main object.

=item B<uuid_error_t>

This is the class corresponding to the C API function B<uuid_error>. It is the object thrown as an exception in case of any errors.

=head2 METHODS

The following methods are provided:

=item B<uuid>();

The standard constructor.

=item B<uuid>(const uuid &_obj);

The copy constructor for B<uuid> class.

=item B<uuid>(const uuid_t * _obj);

The import constructor for C API objects.

=item B<uuid>(const void * _bin);

The import constructor for binary representation.

=item B<uuid>(const char * _str);

The import constructor for string representation.

=item ~B<uuid>();

The standard destructor for B<uuid> class.

=item uuid &B<uuid>::operator=(const uuid & _obj);
The assignment operator corresponding to the copy constructor.

=item uuid &B<uuid::operator=>(const uuid_t *_.obj);

The assignment operator corresponding to the import constructor for C API objects.

=item uuid &B<uuid::operator=>(const void *_.bin);

The assignment operator corresponding to the import constructor for binary representation.

=item uuid &B<uuid::operator=>(const char *_.str);

The assignment operator corresponding to the import constructor for string and single integer value representation.

=item uuid B<uuid::clone>(void);

Regular method corresponding to the C API function B<uuid_clone>.

=item void B<uuid::load>(const char *_.name);

Regular method corresponding to the C API function B<uuid_load>.

=item void B<uuid::make>(unsigned int _mode, ...);

Regular method corresponding to the C API function B<uuid_make>.

=item int B<uuid::isnil>(void);

Regular method corresponding to the C API function B<uuid_isnil>.

=item int B<uuid::compare>(const uuid &_.obj);

Regular method corresponding to the C API function B<uuid_compare>.

=item int B<uuid::operator==>(const uuid &_.obj);

The comparison operator corresponding to B<uuid_compare> usage for equality.

=item int B<uuid::operator!=(const uuid &_.obj);

The comparison operator corresponding to B<uuid_compare> usage for inequality.

=item int B<uuid::operator<lt>=>(const uuid &_.obj);

The comparison operator corresponding to B<uuid_compare> usage for less-than.

=item int B<uuid::operator<lt>=>(const uuid &_.obj);
The comparison operator corresponding to \texttt{uuid\_compare} usage for less-than-or-equal.

\begin{verbatim}
=item int B<uuid::operator<\(\leq\)>(const uuid &_obj);
\end{verbatim}

The comparison operator corresponding to \texttt{uuid\_compare} usage for greater-than.

\begin{verbatim}
=item int B<uuid::operator<\(>\)>(const uuid &_obj);
\end{verbatim}

The comparison operator corresponding to \texttt{uuid\_compare} usage for greater-than-or-equal.

\begin{verbatim}
=item void B<uuid::import>(const void * _bin);
\end{verbatim}

Regular method corresponding to the C API function \texttt{uuid\_import} for binary representation usage.

\begin{verbatim}
=item void B<uuid::import>(const char * _str);
\end{verbatim}

Regular method corresponding to the C API function \texttt{uuid\_import} for string representation usage.

\begin{verbatim}
=item void *B<uuid::binary>(void);
\end{verbatim}

Regular method corresponding to the C API function \texttt{uuid\_export} for binary representation usage.

\begin{verbatim}
=item char *B<uuid::string>(void);
\end{verbatim}

Regular method corresponding to the C API function \texttt{uuid\_export} for string representation usage.

\begin{verbatim}
=item char *B<uuid::integer>(void);
\end{verbatim}

Regular method corresponding to the C API function \texttt{uuid\_export} for single integer value representation usage.

\begin{verbatim}
=item char *B<uuid::summary>(void);
\end{verbatim}

Regular method corresponding to the C API function \texttt{uuid\_export} for textual summary representation usage.

\begin{verbatim}
=item unsigned long B<uuid::version>(void);
\end{verbatim}

Regular method corresponding to the C API function \texttt{uuid\_version}.

\begin{verbatim}
=item B<uuid\_error\_t>()
\end{verbatim}

The standard constructor for \texttt{uuid\_error\_t} class.

\begin{verbatim}
=item B<uuid\_error\_t>(uuid\_rc\_t\_code)
\end{verbatim}

The standard constructor for \texttt{uuid\_error\_t} class with return code initialization.

\begin{verbatim}
=item ~B<uuid\_error\_t>()
\end{verbatim}
The standard destructor for B<uuid_error_t> class.

=item void B<uuid_error_t::code>(uuid_rc_t _code)

Regular method for setting the return code.

=item uuid_rc_t B<uuid_error_t::code>(void)

Regular method for fetching the return code.

=item char *B<uuid_error_t::string>(void)

Regular method for fetching the string corresponding to the current return code.

=back

=head1 EXAMPLE

The following shows an example usage of the C++ API. Exception handling is omitted for code simplification and has to be re-added for production code.

/* generate a DCE 1.1 v1 UUID from system environment */
char *uuid_v1(void)
{
    uuid id;
    char *str;

    id.make(UUID_MAKE_V1);
    str = id.string();
    return str;
}

/* generate a DCE 1.1 v3 UUID from an URL */
char *uuid_v3(const char *url)
{
    uuid id;
    uuid id_ns;
    char *str;

    id_ns.load("ns:URL");
    id.make(UUID_MAKE_V3, &id_ns, url);
    str = id.string();
    return str;
}

=head1 SEE ALSO
uuid(3).

=cut

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 **
 ** uuid_str.h: string formatting functions
 */

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 **
 ** ui64.h: API declaration
 */

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**
** uuid_dce.c: DCE 1.1 compatibility API implementation
*/

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 **
 ** uuid.h: library API definition
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**  
** uuid.c: PHP/Zend API (language: C)  
*/

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**
** uuid_sha1.c: SHA-1 API implementation
*/

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**
** uuid_cli.c: command line tool
*/

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** uuid_md5.c: MD5 API implementation
*/
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** uuid_time.h: Time Management API
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 **
 ** uuid_str.c: string formatting functions
 */

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## uuid_compat.pod: Data::UUID Backward Compatibility Perl API (Perl/POD part)

=pod

=head1 NAME

Data::UUID - B<OSSP uuid> Backward Compatibility Perl Binding

=head1 DESCRIPTION

B<Data::UUID> is the B<OSSP uuid> backward compatibility Perl binding
to the API of the original B<Data::UUID> module. It allows other
B<Data::UUID> based Perl modules to run with B<OSSP::uuid> without
changes.

=head1 SEE ALSO

B<OSSP::uuid>.

=head1 HISTORY

The backward compatibility Perl binding B<Data::UUID> for B<OSSP
uuid> was originally implemented in 2004 by Piotr Roszatycki
E<lt>dexter@debian.orgE<gt>. It was later cleaned up and speed optimized
in December 2005 by David Wheeler E<lt>david@justatheory.comE<gt>.

=cut

Found in path(s):
* /opt/cola/permits/1108541275_1606168282.33/0/ossp-uuid-1-6-2-orig-1-tar-gz/uuid-1.6.2/perl/uuid_compat.pod

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##
## uuid.tm: Perl XS typemap for xsubpp(1)
##
## TYPEMAP
uuid_t * T_PTRREF
uuid_t ** T_PTRREF
uuid_rc_t T_IV
uuid_fmt_t T_IV
int * T_PV
size_t * T_PV
const void * T_PV
void ** T_PV

Found in path(s):
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uuid_mac.c: Media Access Control (MAC) resolver implementation

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**
** uuid_ac.c: auto-configuration
*/

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dnl

cfg.m4: PHP/Zend API build-time configuration (language: m4)
dnl

PHP_ARG_ENABLE(uuid, OSSP uuid module,
    [ --enable-uuid      Enable OSSP uuid extension module.])

if test "$PHP_UUID" != "no"; then
    PHP_NEW_EXTENSION(uuid, uuid.c, $ext_shared)
    AC_DEFINE(HAVE_UUID, 1, [Have OSSP uuid library])
    PHP_ADD_LIBPATH([..], )
    PHP_ADD_LIBRARY([uuid],, UUID_SHARED_LIBADD)
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PHP_ADD_INCLUDE([..])
PHP_SUBST(UUID_SHARED_LIBADD)

dnl avoid linking conflict with a potentially existing uuid_create(3) in libc
AC_CHECK_FUNC(uuid_create,[
  SAVE_LDFLAGS="$LDFLAGS"
  LDFLAGS="$LDFLAGS -Wl,-Bsymbolic"
  AC_TRY_LINK([],[], [EXTRA_LDFLAGS="$EXTRA_LDFLAGS -Wl,-Bsymbolic"])
  LDFLAGS="$SAVE_LDFLAGS"
])
fi

Found in path(s):
* /opt/cola/permits/1108541275_1606168282.33/0/ossp-uuid-1-6-2-orig-1-tar-gz/uuid-1.6.2/php/config.m4
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 ** uuid_dce.h: DCE 1.1 compatibility API definition
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** uuid.c: PostgreSQL Binding (C part)
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##
##  uuid.pc.in: pkg-config(1) specification
##
##
prefix,@prefix@  
exec_prefix=${prefix}  
includedir=${prefix}/include  
libdir=${exec_prefix}/lib

Name: OSSP uuid
Description: Universally Unique Identifier (UUID) Library
Version: @UUID_VERSION_RAW@
URL: http://www.ossp.org/pkg/lib/uuid/
Cflags: -I${includedir}
Libs: -L${libdir} -luuid
Libs.private: @LIBS@

Found in path(s):
* /opt/cola/permits/1108541275_1606168282.33/0/ossp-uuid-1-6-2-orig-1-tar-gz/uuid-1.6.2/uuid.pc.in
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** uuid.xs: Perl Binding (Perl/XS part)
*/

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** uuid.c: library API implementation
*/

Found in path(s):
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 ** uuid_prng.c: PRNG API implementation
 */

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** uuid_sha1.h: SHA-1 API definition
*/

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## uuid.pod: Perl Binding (Perl/POD part)
=pod

=head1 NAME

OSSP::uuid - B<OSSP uuid> Perl Binding

=head1 DESCRIPTION

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

B<OSSP::uuid> is the Perl binding to the B<OSSP uuid> API. Three variants are provided:

=head2 TIE-STYLE API

The TIE-style API is a functionality-reduced wrapper around the OO-style API and intended for very high-level convenience programming:

=over 4

=item C<use OSSP::uuid;>

=item B<tie>C< my $uuid, 'OSSP::uuid::tie', $mode, ...;>

=item C<$uuid = [ $mode, ... ];>

=item C<print "UUID=$uuid\n";>

=item C<untie $uuid;>

=back

=head2 OO-STYLE API

The OO-style API is a wrapper around the C-style API and intended for high-level regular programming.

=over 4
Additionally, the strings C<"v1">, C<"v3">, C<"v4">, C<"v5"> and C<"mc"> can be used in C<$mode> and the strings C<"bin">, C<"str">, and C<"txt"> can be used for C<$fmt>.

=head2 C-STYLE API

The C-style API is a direct mapping of the B<OSSP uuid> ISO-C API to Perl and is intended for low-level programming. See uuid(3) for a description of the functions and their expected arguments.

=over 4

=item C<use OSSP::uuid qw(:all)>;

=item C<my $uuid = >B<new>C< OSSP::uuid;>

=item C<$uuid-E<gt>>B<load>C<($name)>;

=item C<$uuid-E<gt>>B<make>C<($mode, ...)>;

=item C<$result = $uuid-E<gt>>B<isnil>C<();>

=item C<$result = $uuid-E<gt>>B<compare>C<($uuid2)>;

=item C<$uuid-E<gt>>B<import>C<($fmt, $data_ptr)>;

=item C<$data_ptr = $uuid-E<gt>>B<export>C<($fmt)>;

=item C<[[[]]$str[, $rc]] = $uuid-E<gt>>B<error>C<();>

=item C<$ver = $uuid-E<gt>>B<version>C<();>

=item C<undef $uuid;>

=back

=head2 C-STYLE API

The C-style API is a direct mapping of the B<OSSP uuid> ISO-C API to Perl and is intended for low-level programming. See uuid(3) for a description of the functions and their expected arguments.

=over 4

=item C<use OSSP::uuid qw(:all)>;

=item C<my $uuid; $rc = >B<uuid_create>C<($uuid)>;

=item C<$rc = >B<uuid_load>C<($uuid, $name)>;

=item C<$rc = >B<uuid_make>C<($uuid, $mode, ...)>;

=item C<$rc = >B<uuid_isnil>C<($uuid, $result)>;

=item C<$rc = >B<uuid_compare>C<($uuid, $uuid2, $result)>;
Additionally, the following constants are exported for use in \$rc, \$mode, \$fmt and \$ver:

\texttt{UUID\_VERSION},
\texttt{UUID\_LEN\_BIN},
\texttt{UUID\_LEN\_STR},
\texttt{UUID\_RC\_OK},
\texttt{UUID\_RC\_ARG},
\texttt{UUID\_RC\_MEM},
\texttt{UUID\_RC\_SYS},
\texttt{UUID\_RC\_INT},
\texttt{UUID\_RC\_IMP},
\texttt{UUID\_MAKE\_V1},
\texttt{UUID\_MAKE\_V3},
\texttt{UUID\_MAKE\_V4},
\texttt{UUID\_MAKE\_V5},
\texttt{UUID\_MAKE\_MC},
\texttt{UUID\_FMT\_BIN},
\texttt{UUID\_FMT\_STR},
\texttt{UUID\_FMT\_SIV},
\texttt{UUID\_FMT\_TXT}.

=head1 EXAMPLES

The following two examples create the version 3 UUID \texttt{C<02d9e6d5-9467-382e-8f9b-9300a64ac3cd>}, both via the OO-style and the C-style API. Error handling is omitted here for easier reading, but has to be added for production-quality code.

# TIE-style API (very high-level)
use OSSP::uuid;
tie my $uuid, 'OSSP::uuid::tie';
$uuid = [ "v1" ];
print "UUIDs: $uuid, $uuid, $uuid
$uuid = [ "v3", "ns:URL", "http://www.ossap.org/" ];
print "UUIDs: $uuid, $uuid, $uuid
";
untie $uuid;

# OO-style API (high-level)
use OSSP::uuid;
my $uuid    = new OSSP::uuid;
my $uuid_ns = new OSSP::uuid;
$uuid_ns->load("ns:URL");
$uuid->make("v3", $uuid_ns, "http://www.ossp.org/");
undef $uuid_ns;
my $str = $uuid->export("str");
undef $uuid;
print "$str\n"

# C-style API (low-level)
use OSSP::uuid qw(:all);
my $uuid;    uuid_create($uuid);
my $uuid_ns; uuid_create($uuid_ns);
uuid_load($uuid_ns, "ns:URL");
uuid_make($uuid, UUID_MAKE_V3, $uuid_ns, "http://www.ossp.org/");
uuid_destroy($uuid_ns);
my $str; uuid_export($uuid, UUID_FMT_STR, $str, undef);
uuid_destroy($uuid);
print "$str\n"

=head1 SEE ALSO

uuid(1), uuid-config(1), uuid(3).

=head1 HISTORY

The Perl binding B<OSSP::uuid> to B<OSSP uuid> was implemented in
November 2004 by Ralf S. Engelschall E<lt>rse@engelschall.comE<gt>.

=cut

Found in path(s):
* /opt/cola/permits/1108541275_1606168282.33/0/ossp-uuid-1-6-2-orig-1-tar-gz/uuid-1.6.2/perl/uuid.pod
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## SYNOPSIS

```
B<uuid>
   [B<-v> I<version>]
   [B<-m>]
   [B<-n> I<count>]
   [B<-i>]
   [B<-F> I<format>]
   [B<-o> I<filename>]
   [I<namespace> I<name>]

B<uuid>
B<-d>
[B<-r>]
[B<-o> I<filename>]
I<uuid>
```

## DESCRIPTION

```
## uuid_cli.pod: manual page
##
=pod

=head1 NAME

B<OSSP uuid> - B<Universally Unique Identifier Command-Line Tool>

=head1 VERSION

OSSP uuid UUID_VERSION_STR

=head1 SYNOPSIS

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

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

This is the command line interface (CLI) of B<OSSP uuid>. For a detailed description of UUIDs see the documentation of the application programming interface (API) in uuid(3).

=head1 OPTIONS

=over 3

=item B<-v> I<version>

Sets the version of the generated DCE 1.1 variant UUID. Supported are I<version> "C<1>", "C<3>", "C<4>" and "C<5>". The default is "C<1>".

For version 3 and version 5 UUIDs the additional command line arguments I<namespace> and I<name> have to be given. The I<namespace> is either a UUID in string representation or an identifier for internally pre-defined namespace UUIDs (currently known are "C<ns:DNS>", "C<ns:URL>", "C<ns:OID>", and "C<ns:X500>"). The I<name> is a string of arbitrary length.

=item B<-m>

Forces the use of a random multi-cast MAC address when generating version 1 UUIDs. By default the real physical MAC address of the system is used.

=item B<-n> I<count>

Generate I<count> UUIDs instead of just a single one (the default).
=item B<-1>

If option B<-n> is used with a I<count> greater than C<1>, then this
option can enforce the reset the UUID context for each generated UUID.
This makes no difference for I<version> C<3>, C<4> and C<5> UUIDs. But
version C<1> UUIDs are based on the previously generated UUID which is
remembered in the UUID context of the API. Option B<-1> deletes the
remembered UUID on each iteration.

=over 4

=item B<-F> I<format>

Representation format for importing or exporting an UUID. The
following (case insensitive) format identifiers are currently recognized:

=over 4

=item C<BIN> (binary representation)

This is the raw 128 bit network byte order binary representation of a
UUID. Example is the octet stream C<0xF8 0x1D 0x4F 0xAE 0x7D 0xEC 0x11
0xD0 0xA7 0x65 0x00 0xA0 0xC9 0x1E 0x6B 0xF6>.

=item C<STR> (string representation)

This is the 36 character hexadecimal ASCII string representation of a
UUID. Example is the string "C<f81d4fae-7dec-11d0-a765-00a0c91e6bf6>".

=item C<SIV> (single integer value representation)

This is the maximum 39 character long single integer
value representation of a UUID. Example is the string
"C<329800735698586629295641978511506172918>".

=back

=item B<-o> I<filename>

Write output to I<filename> instead of to F<stdout>.

=item B<-d>

Decode a given UUID (given as a command line argument or if the command
line argument is "C<-" the UUID is read from F<stdin>) and dump textual
information about the UUID.

=back
=head1 EXAMPLES

# generate DCE 1.1 v1 UUID (time and node based)
$ uuid -v1
01c47915-4777-11d8-bc70-0090272ff725

# decode and dump DCE 1.1 v1 UUID (time and node based)
$ uuid -d 01c47915-4777-11d8-bc70-0090272ff725
encode: STR: 01c47915-4777-11d8-bc70-0090272ff725
SIV: 2349374037528578887923094374772111141
version: 1 (time and node based)
clock: 15472 (usually random)
  node: 00:90:27:2f:f7:25 (global unicast)

# generate DCE 1.1 v3 UUID (name based)
$ uuid -v3 ns:URL http://www.ossp.org/
02d9e6d5-9467-382e-8f9b-9300a64ac3cd

# decode and dump DCE 1.1 v3 UUID (name based)
$ uuid -d 02d9e6d5-9467-382e-8f9b-9300a64ac3cd
encode: STR: 02d9e6d5-9467-382e-8f9b-9300a64ac3cd
SIV: 37898662856079108881008183850376205
version: 3 (name based, MD5)
  (not decipherable: MD5 message digest only)

# generate DCE 1.1 v4 UUID 4 (random data based)
$ uuid -v4
eb424026-6f54-4ef8-a4d0-bb658a1fc6cf

# decode and dump DCE 1.1 v4 UUID 4 (random data based)
$ uuid -d eb424026-6f54-4ef8-a4d0-bb658a1fc6cf
encode: STR: eb424026-6f54-4ef8-a4d0-bb658a1fc6cf
SIV: 312712571721458096795100956955942831823
version: 4 (random data based)
  (no semantics: random data only)

=head1 SEE ALSO

uuid(3), OSSP::uuid(3).
=cut
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 **
 ** uuid++.cc: library C++ API implementation
 */

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** uuid_prng.h: PRNG API definition */

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 **
** uuid_time.c: Time Management
*/

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/ *
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**
** This file is part of OSSP ui64, a 64-bit arithmetic library
** which can be found at http://www.ossp.org/pkg/lib/ui64/.
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**
** ui64.c: implementation of 64-bit unsigned integer arithmetic
*/

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* /opt/cola/permits/1108541275_1606168282.33/0/ossp-uuid-1-6-2-orig-1-tar-gz/uuid-1.6.2/perl/Makefile.PL
* /opt/cola/permits/1108541275_1606168282.33/0/ossp-uuid-1-6-2-orig-1-tar-gz/uuid-1.6.2/php/Makefile.local
OSSP uuid - Universally Unique Identifier
Version 1.6.2 (04-Jul-2008)

ABSTRACT

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

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

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HOME AND DOCUMENTATION

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

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** uuid_mac.h: Media Access Control (MAC) resolver API definition
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 **
 ** ui128.c: implementation of 128-bit unsigned integer arithmetic
 */

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** ui128.h: API declaration
*/

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SET search_path TO public;
SET client_min_messages TO warning;

DROP FUNCTION uuid_in(CSTRING) CASCADE;
DROP FUNCTION uuid_out(uuid) CASCADE;
DROP FUNCTION uuid_recv(INTERNAL) CASCADE;
DROP FUNCTION uuid_send(uuid) CASCADE;
DROP TYPE uuid CASCADE;
DROP CAST (CSTRING AS uuid) CASCADE;
DROP CAST (uuid AS CSTRING) CASCADE;

DROP FUNCTION uuid(CSTRING) CASCADE;
DROP FUNCTION uuid(INTEGER) CASCADE;
DROP FUNCTION uuid(INTEGER, CSTRING, CSTRING) CASCADE;

DROP FUNCTION uuid_eq(uuid) CASCADE;
DROP FUNCTION uuid_ne(uuid) CASCADE;
DROP FUNCTION uuid_lt(uuid, uuid) CASCADE;
DROP FUNCTION uuid_gt(uuid, uuid) CASCADE;
DROP FUNCTION uuid_le(uuid, uuid) CASCADE;
DROP FUNCTION uuid_ge(uuid, uuid) CASCADE;

DROP OPERATOR =(uuid,uuid) CASCADE;
DROP OPERATOR <>(uuid,uuid) CASCADE;
DROP OPERATOR <(uuid,uuid) CASCADE;
DROP OPERATOR >(uuid,uuid) CASCADE;
DROP OPERATOR <=(uuid,uuid) CASCADE;
DROP OPERATOR >=(uuid,uuid) CASCADE;

DROP FUNCTION uuid_hash(uuid) CASCADE;
DROP FUNCTION uuid_cmp(uuid, uuid) CASCADE;

DROP OPERATOR CLASS uuid_ops USING hash CASCADE;
DROP OPERATOR CLASS uuid_ops USING btree CASCADE;

BEGIN;

--
-- the UUID data type
--

CREATE FUNCTION uuid_in(CSTRING) RETURNS uuid
STRICT
LANGUAGE C AS 'MODULE_PATHNAME', 'pg_uuid_in';

CREATE FUNCTION uuid_out(uuid) RETURNS CSTRING
STRICT
LANGUAGE C AS 'MODULE_PATHNAME', 'pg_uuid_out';

CREATE FUNCTION uuid_recv(INTERNAL) RETURNS uuid
STRICT
LANGUAGE C AS 'MODULE_PATHNAME', 'pg_uuid_recv';

CREATE FUNCTION uuid_send(uuid) RETURNS BYTEA
STRICT
LANGUAGE C AS 'MODULE_PATHNAME', 'pg_uuid_send';

CREATE TYPE uuid (  
    INPUT = uuid_in, -- for SQL input  
    OUTPUT = uuid_out, -- for SQL output  
    RECEIVE = uuid_recv, -- for DB input  
    SEND = uuid_send, -- for DB output  
    DEFAULT = 'uuid(1)',  
    INTERNALLENGTH = 16,  
    ALIGNMENT = char
);

COMMENT ON TYPE uuid
    IS 'UUID type';

-- CREATE CAST (CSTRING AS uuid)
--    WITH FUNCTION uuid_in(CSTRING) AS ASSIGNMENT;
--
-- CREATE CAST (uuid AS CSTRING)
--    WITH FUNCTION uuid_out(uuid) AS ASSIGNMENT;
--
-- the UUID constructor function

CREATE FUNCTION
  uuid(CSTRING) RETURNS uuid
IMMUTABLE STRICT
LANGUAGE C AS 'MODULE_PATHNAME', 'pg_uuid_in';

CREATE FUNCTION
  uuid(INTEGER) RETURNS uuid
VOLATILE CALLED ON NULL INPUT
LANGUAGE C AS 'MODULE_PATHNAME', 'pg_uuid_make';

CREATE FUNCTION
  uuid(INTEGER, CSTRING, CSTRING) RETURNS uuid
VOLATILE CALLED ON NULL INPUT
LANGUAGE C AS 'MODULE_PATHNAME', 'pg_uuid_make';

--
-- the UUID operators
--

CREATE FUNCTION
  uuid_eq(uuid, uuid) RETURNS BOOL
IMMUTABLE STRICT
LANGUAGE C AS 'MODULE_PATHNAME', 'pg_uuid_eq';

CREATE FUNCTION
  uuid_ne(uuid, uuid) RETURNS BOOL
IMMUTABLE STRICT
LANGUAGE C AS 'MODULE_PATHNAME', 'pg_uuid_ne';

CREATE FUNCTION
  uuid_lt(uuid, uuid) RETURNS BOOL
IMMUTABLE STRICT
LANGUAGE C AS 'MODULE_PATHNAME', 'pg_uuid_lt';

CREATE FUNCTION
  uuid_gt(uuid, uuid) RETURNS BOOL
IMMUTABLE STRICT
LANGUAGE C AS 'MODULE_PATHNAME', 'pg_uuid_gt';

CREATE FUNCTION
  uuid_le(uuid, uuid) RETURNS BOOL
IMMUTABLE STRICT
LANGUAGE C AS 'MODULE_PATHNAME', 'pg_uuid_le';

CREATE FUNCTION

uuid_ge(uuid, uuid) RETURNS BOOL
IMMUTABLE STRICT
LANGUAGE C AS 'MODULE_PATHNAME', 'pg_uuid_ge';

CREATE OPERATOR = (  
  leftarg = uuid,
  rightarg = uuid,
  negator = <>,
  procedure = uuid_eq
);

CREATE OPERATOR <> (  
  leftarg = uuid,
  rightarg = uuid,
  negator = =,
  procedure = uuid_ne
);

CREATE OPERATOR < (  
  leftarg = uuid,
  rightarg = uuid,
  commutator = >,
  negator = >=,
  procedure = uuid_lt
);

CREATE OPERATOR > (  
  leftarg = uuid,
  rightarg = uuid,
  commutator = <,
  negator = <=,
  procedure = uuid_gt
);

CREATE OPERATOR <= (  
  leftarg = uuid,
  rightarg = uuid,
  commutator = >=,
  negator = >,
  procedure = uuid_le
);

CREATE OPERATOR >= (  
  leftarg = uuid,
  rightarg = uuid,
  commutator = <=,
  negator = <,
  procedure = uuid_ge
)
CREATE FUNCTION
uuid_hash(uuid) RETURNS INTEGER
IMMUTABLE STRICT
LANGUAGE C AS 'MODULE_PATHNAME', 'pg_uuid_hash';

CREATE FUNCTION
uuid_cmp(uuid, uuid) RETURNS INTEGER
IMMUTABLE STRICT
LANGUAGE C AS 'MODULE_PATHNAME', 'pg_uuid_cmp';

CREATE OPERATOR CLASS uuid_ops
DEFAULT FOR TYPE uuid USING hash AS
OPERATOR 1 =, -- 1: equal
FUNCTION 1 uuid_hash(uuid);

CREATE OPERATOR CLASS uuid_ops
DEFAULT FOR TYPE uuid USING btree AS
OPERATOR 1 <, -- 1: less than
OPERATOR 2 <=, -- 2: less than or equal
OPERATOR 3 =, -- 3: equal
OPERATOR 4 >=, -- 4: greater than or equal
OPERATOR 5 >, -- 5: greater than
FUNCTION 1 uuid_cmp(uuid, uuid);

COMMIT;

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**
** uuid_bm.c: bitmask API implementation
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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, for humouring me on.

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Windows support

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lib/hcrypto/test_dh.c

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Eclipse

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

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

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

------

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html
* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

------

Oracle OpenJDK

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

* java.sun.security.ssl

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

------

OW2

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

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

------

Apache

The following artifacts are ASL2 licensed.

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

------

MortBay

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

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

-----
Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.298 jackson-xc 2.10.4

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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
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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.

1.299 jersey-container-servlet 2.5.1

1.300 jetty-continuation 9.3.27.v20190418

1.301 jersey-container-servlet-core 2.5.1

1.302 commons-collections 4.1

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1.303 google-http-client 1.20.0

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1.307 libalgorithm-diff-xs-perl 0.04-4build1

1.307.1 Available under license:

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---

abstract: Algorithm::Diff with XS core loop
author: Audrey Tang <cpan@audreyt.org>
distribution_type: module
generated_by: Module::Install version 0.67
license: perl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.3.html
version: 1.3
name: Algorithm-Diff-XS
no_index:
directory:
  - inc
  - t
requires:
  Algorithm::Diff: 1.19
  perl: 5.6.0
  version: 0.01

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018674118_1591373584.59/0/libalgorithm-diff-xs-perl-0-04-orig-targ-gz/Algorithm-Diff-XS-0.04/META.yml
  No license file was found, but licenses were detected in source scan.

  'GNU public license' => 'gpl', 1,
  'GNU lesser public license' => 'gpl', 1,
  'BSD license' => 'bsd', 1,
  'proprietary' => 'proprietary', 0.
if ( $osi and $license_text =~ /All rights reserved/i ) {
  warn "LEGAL WARNING: 'All rights reserved' may invalidate Open Source licenses. Consider removing it.";

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018674118_1591373584.59/0/libalgorithm-diff-xs-perl-0-04-orig-targ-gz/Algorithm-Diff-XS-0.04/inc/Module/Install/Metadata.pm
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/*

ppport.h -- Perl/Pollution/Portability Version 3.06_01


Do NOT edit this file directly! -- Edit PPort_pm.PL and the includes in parts/inc/ instead.

Use 'perlold pppport.h' to view the documentation below.

ppport.h - Perl/Pollution/Portability version 3.06_01
SYNOPSIS

perl ppport.h [options] [source files]

Searches current directory for files if no [source files] are given

--help show short help

--patch=file write one patch file with changes
--copy=suffix write changed copies with suffix
--diff=program use diff program and options

--compat-version=version provide compatibility with Perl version
--cplusplus accept C++ comments

--quiet don't output anything except fatal errors
--nodiag don't show diagnostics
--nohints don't show hints
--nochanges don't suggest changes
--nofilter don't filter input files

--list-provided list provided API
--list-unsupported list unsupported API
--api-info=name show Perl API portability information

COMPATIBILITY

This version of F<ppport.h> is designed to support operation with Perl installations back to 5.003, and has been tested up to 5.9.3.

OPTIONS

Display a brief usage summary.

If this option is given, a single patch file will be created if any changes are suggested. This requires a working diff program to be installed on your system.

If this option is given, a copy of each file will be saved with the given suffix that contains the suggested changes. This does not require any external programs.
If neither \texttt{--patch} or \texttt{--copy} are given, the default is to simply print the diffs for each file. This requires either \texttt{Text::Diff} or a \texttt{diff} program to be installed.

\texttt{head2 --diff=I<program>}

Manually set the diff program and options to use. The default is to use \texttt{Text::Diff}, when installed, and output unified context diffs.

\texttt{head2 --compat-version=I<version>}

Tell \texttt{ppport.h} to check for compatibility with the given Perl version. The default is to check for compatibility with Perl version 5.003. You can use this option to reduce the output of \texttt{ppport.h} if you intend to be backward compatible only up to a certain Perl version.

\texttt{head2 --cplusplus}

Usually, \texttt{ppport.h} will detect C++ style comments and replace them with C style comments for portability reasons. Using this option instructs \texttt{ppport.h} to leave C++ comments untouched.

\texttt{head2 --quiet}

Be quiet. Don't print anything except fatal errors.

\texttt{head2 --nodiag}

Don't output any diagnostic messages. Only portability alerts will be printed.

\texttt{head2 --nohints}

Don't output any hints. Hints often contain useful portability notes.

\texttt{head2 --nochanges}

Don't suggest any changes. Only give diagnostic output and hints unless these are also deactivated.

\texttt{head2 --nofilter}

Don't filter the list of input files. By default, files not looking
like source code (i.e. not *.xs, *.c, *.cc, *.cpp or *.h) are skipped.

=head2 --list-provided

Lists the API elements for which compatibility is provided by `F<ppport.h>`. Also lists if it must be explicitly requested, if it has dependencies, and if there are hints for it.

=head2 --list-unsupported

Lists the API elements that are known not to be supported by `F<ppport.h>` and below which version of Perl they probably won't be available or work.

=head2 --api-info=I<name>

Show portability information for API elements matching `I<name>`. If `I<name>` is surrounded by slashes, it is interpreted as a regular expression.

=head1 DESCRIPTION

In order for a Perl extension (XS) module to be as portable as possible across differing versions of Perl itself, certain steps need to be taken.

=item *

Including this header is the first major one. This alone will give you access to a large part of the Perl API that hasn't been available in earlier Perl releases. Use

perl ppport.h --list-provided

to see which API elements are provided by ppport.h.

=item *

You should avoid using deprecated parts of the API. For example, using global Perl variables without the `C<PL_>` prefix is deprecated. Also, some API functions used to have a `C<perl_>` prefix. Using this form is also deprecated. You can safely use the supported API, as `F<ppport.h>` will provide wrappers for older Perl versions.

=item *

If you use one of a few functions that were not present in earlier
versions of Perl, and that can't be provided using a macro, you have to explicitly request support for these functions by adding one or more C\#define\>s in your source code before the inclusion of F\ppport.h\>.

These functions will be marked C\explicit\> in the list shown by C\--list-provided\>.

Depending on whether you module has a single or multiple files that use such functions, you want either C\static\> or global variants.

For a C\static\> function, use:

```
#define NEED_function
```

For a global function, use:

```
#define NEED_function_GLOBAL
```

Note that you mustn't have more than one global request for one function in your project.

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<th>Global Request</th>
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<td>grok_number()</td>
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<td>sv_catpvf_mg_nocontext()</td>
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<td>sv_setpvf_mg()</td>
<td>NEED_sv_setpvf_mg</td>
<td>NEED_sv_setpvf_mg_GLOBAL</td>
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<tr>
<td>sv_setpvf_mg_nocontext()</td>
<td>NEED_sv_setpvf_mg_nocontext</td>
<td>NEED_sv_setpvf_mg_nocontext_GLOBAL</td>
</tr>
<tr>
<td>vnewSVpvf()</td>
<td>NEED_vnewSVpvf</td>
<td>NEED_vnewSVpvf_GLOBAL</td>
</tr>
</tbody>
</table>

To avoid namespace conflicts, you can change the namespace of the explicitly exported functions using the C\DPPP_NAMESPACE\> macro. Just C\#define\> the macro before including C\ppport.h\>:

```
#define DPPP_NAMESPACE MyOwnNamespace_
#include "ppport.h"
```

The default namespace is C\DPPP_\>.
The good thing is that most of the above can be checked by running \texttt{F<ppport.h>} on your source code. See the next section for details.

\section*{EXAMPLES}

To verify whether \texttt{F<ppport.h>} is needed for your module, whether you should make any changes to your code, and whether any special defines should be used, \texttt{F<ppport.h>} can be run as a Perl script to check your source code. Simply say:

\begin{verbatim}
perl ppport.h
\end{verbatim}

The result will usually be a list of patches suggesting changes that should at least be acceptable, if not necessarily the most efficient solution, or a fix for all possible problems.

If you know that your XS module uses features only available in newer Perl releases, if you're aware that it uses C++ comments, and if you want all suggestions as a single patch file, you could use something like this:

\begin{verbatim}
perl ppport.h --compat-version=5.6.0 --cplusplus --patch=test.diff
\end{verbatim}

If you only want your code to be scanned without any suggestions for changes, use:

\begin{verbatim}
perl ppport.h --nochanges
\end{verbatim}

You can specify a different \texttt{C<diff>} program or options, using the \texttt{C<--diff>} option:

\begin{verbatim}
perl ppport.h --diff='diff -C 10'
\end{verbatim}

This would output context diffs with 10 lines of context.

To display portability information for the \texttt{C<newSVpvn>} function, use:

\begin{verbatim}
perl ppport.h --api-info=newSVpvn
\end{verbatim}

Since the argument to \texttt{C<--api-info>} can be a regular expression, you can use

\begin{verbatim}
perl ppport.h --api-info=/nomg$/
\end{verbatim}
to display portability information for all C< _ nomg> functions or

perl ppport.h --api-info=/.

to display information for all known API elements.

=head1 BUGS

If this version of F< ppport.h> is causing failure during
the compilation of this module, please check if newer versions
of either this module or C<Devel::PPPort> are available on CPAN
before sending a bug report.

If F< ppport.h> was generated using the latest version of
C<Devel::PPPort> and is causing failure of this module, please
file a bug report using the CPAN Request Tracker at L<http://rt.cpan.org/>.

Please include the following information:

=over 4

=item 1.

The complete output from running "perl -V"

=item 2.

This file.

=item 3.

The name and version of the module you were trying to build.

=item 4.

A full log of the build that failed.

=item 5.

Any other information that you think could be relevant.

=back

For the latest version of this code, please get the C<Devel::PPPort>
module from CPAN.

=head1 COPYRIGHT
use strict;

my %opt = ( 
  quiet => 0, 
  diag  => 1, 
  hints => 1, 
  changes => 1, 
  cplusplus => 0, 
  filter  => 1, 
);

my($ppport) = $0 =~ /\[\w.]+$/;
my $LF = '(?:\r\n|\[\r\n\])';   # line feed
my $HS = "[ \t\]";             # horizontal whitespace

eval { 
  require Getopt::Long;
  Getopt::Long::GetOptions(%opt, qw( 
    help quiet diag! filter! hints! changes! cplusplus 
    patch=s copy=s diff=s compat-version=s 
    list-provided list-unsupported api-info=s 
  )) or usage(); 
};

if ($@ and grep /^-/, @ARGV) {
  usage() if "$ARGV" =~ /^--?h(?:elp)?$/;
  die "Getopt::Long not found. Please don't use any options.\n";
}

usage() if $opt{help};

if (exists $opt{'compat-version'}) {
  my($r,$v,$s) = eval { parse_version($opt{'compat-version'}) };
}
if ($@) {
    die "Invalid version number format: '$opt{'compat-version'}'
";
}
die "Only Perl 5 is supported"
if $r != 5;
die "Invalid version number: $opt{'compat-version'}'
if $v >= 1000 || $s >= 1000;
$opt{'compat-version'} = sprintf "%d.%03d%03d", $r, $v, $s;
}
else {
    $opt{'compat-version'} = 5;
}

# Never use C comments in this file!!!!

my $ccs = '/.\*';
my $cce = '\*./'
my $rccs = quotemeta $ccs;
my $rcce = quotemeta $cce;

my %API = map { /^(\w+)\|([^\|]*)\|([^\|]*)\|([^\|]*)$/
    ? ($1 => {
        ($2 ? ( base => $2 ) : ()),
        ($3 ? ( todo => $3 ) : ()),
        (index($4, 'v') >= 0 ? ( varargs => 1 ) : ()),
        (index($4, 'p') >= 0 ? ( provided => 1 ) : ()),
        (index($4, 'n') >= 0 ? ( nothxarg => 1 ) : ())
    } )
    : die "invalid spec: $_" } qw( AvFILLp|5.004050||p
AvFILL||CLASS||CX_CURPAD_SAVE||CX_CURPAD_SV||
CopFILEAV|5.006000||p
CopFILEGV_set|5.006000||p
CopFILEGV|5.006000||p
CopFILESV|5.006000||p
CopFILE_set|5.006000||p
CopFILE|5.006000||p
CopSTASHPV_set|5.006000||p
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CopSTASH_eq|5.006000||p
CopSTASH_set|5.006000||p
CopSTASH|5.006000||p
CopyD|5.009002||p
Copy||CVPADLIST||CVSTASH||
CVWEAKOUTSIDE||DEFSV|5.004050||p
MoveD|5.009000||p
Move||
NEWSV||
NOOP|5.005000||p
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NVef|5.006001||p
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PAD_COMPNAME_GEN_set||
PAD_COMPNAME_GEN||
PAD_COMPNAME_OURSTASH||
PAD_COMPNAME_PV||
PAD_COMPNAME_TYPE||
PAD_RESTORE_LOCAL||
PAD_SAVE_LOCAL||
PAD_SAVE_SETNULLPAD||
PAD_SETSV||
PAD_SET_CUR_NOSAVE||
PAD_SET_CUR||
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PAD_SV||
PERL_BCDVERSION|5.009003||p
PERL_GCC_BRACE_GROUPS_FORBIDDEN|5.008001||p
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SAVECLEARSV||
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SPAGAIN||
SP||
START_EXTERN_C|5.005000||p
START_MY_CXT|5.007003||p
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<th>Description</th>
<th>Value</th>
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<td>SvPOKf</td>
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Zero
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aMY_CXT_[5.007003]p
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allocmy
amagic_call
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);
if (exists $opt{'list-unsupported'}) {
my $f;
for $f (sort { lc $a cmp lc $b } keys %API) {
next unless $API{$f}{todo};
print "$f ", '.'x(40-length($f)), " ", format_version($API{$f}{todo}), "\n";
}
exit 0;
}
# Scan for possible replacement candidates
my(%replace, %need, %hints, %depends);
my $replace = 0;
my $hint = '';
while (<DATA>) {
if ($hint) {
if (m{^\s*\*\s(.*?)\s*$}) {
$hints{$hint} ||= ''; # suppress warning with older perls
$hints{$hint} .= "$1\n";
}
else {
$hint = '';
}
}
$hint = $1 if m{^\s*$rccs\sHint:\s+(\w+)\s*$};
$replace = $1 if m{^\s*$rccs\s+Replace:\s+(\d+)\s+$rcce\s*$};
$replace{$2} = $1 if $replace and m{^\s*#\s*define\s+(\w+)(?:\([^)]*\))?\s+(\w+)};
$replace{$2} = $1 if m{^\s*#\s*define\s+(\w+)(?:\([^)]*\))?\s+(\w+).*$rccs\s+Replace\s+$rcce};
$replace{$1} = $2 if m{^\s*$rccs\s+Replace (\w+) with (\w+)\s+$rcce\s*$};
if (m{^\s*$rccs\s+(\w+)\s+depends\s+on\s+(\w+(\s*,\s*\w+)*)\s+$rcce\s*$}) {
push @{$depends{$1}}, map { s/\s+//g; $_ } split /,/, $2;
}
$need{$1} = 1 if m{^#if\s+defined\(NEED_(\w+)(?:_GLOBAL)?\)};
}
if (exists $opt{'api-info'}) {
my $f;
my $count = 0;
my $match = $opt{'api-info'} =~ m!^/(.*)/$! ? $1 : "^\Q$opt{'api-info'}\E\$";
for $f (sort { lc $a cmp lc $b } keys %API) {
next unless $f =~ /$match/;

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print "\n=== $f ===\n\n";
my $info = 0;
if ($API{$f}{base} || $API{$f}{todo}) {
    my $base = format_version($API{$f}{base} || $API{$f}{todo});
    print "Supported at least starting from perl-$base: \n"
    $info++;
}
if ($API{$f}{provided}) {
    my $todo = $API{$f}{todo} ? format_version($API{$f}{todo}) : "5.003";
    print "Support by $ppport provided back to perl-$todo: \n"
    print "Support needs to be explicitly requested by NEED_$f: \n" if exists $need{$f};
    print "Depends on: \n", join(', ', @{$depends{$f}}), " \n" if exists $depends{$f};
    print "Shints[$f]" if exists $hints{$f};
    $info++;
}
unless ($info) {
    print "No portability information available: \n";
}
$count++;
}
if ($count > 0) {
    print "\n";
} else {
    print "Found no API matching $opt{'api-info'}: \n"
    exit 0;
}

if (exists $opt{'list-provided'}) {
    my $f;
    for $f (sort { lc $a cmp lc $b } keys %API) {
        next unless $API{$f}{provided};
        my @flags;
        push @flags, 'explicit' if exists $need{$f};
        push @flags, 'depend'   if exists $depends{$f};
        push @flags, 'hint'     if exists $hints{$f};
        my $flags = @flags ? '[', join(', ', @flags), '] : "
        print "$f$flags\n";
    }
    exit 0;
}

my @files;
my @srcext = qw(xs c h cc cpp);
my $srcext = join '|', @srcext;

if (@ARGV) {


my %seen;
@files = grep { -f && !exists $seen{$_} } map { glob $_ } @ARGV;
}
else {
eval {
require File::Find;
File::Find::find(sub {
$File::Find::name =~ /\.($srcext)$/i
and push @files, $File::Find::name;
}, '.');
};
if ($@) {
@files = map { glob "*.$_" } @srcext;
}
}
if (!@ARGV || $opt{filter}) {
my(@in, @out);
my %xsc = map { /(.*)\.xs$/ ? ("$1.c" => 1, "$1.cc" => 1) : () } @files;
for (@files) {
my $out = exists $xsc{$_} || /\b\Q$ppport\E$/i || !/\.($srcext)$/i;
push @{ $out ? \@out : \@in }, $_;
}
if (@ARGV && @out) {
warning("Skipping the following files (use --nofilter to avoid this):\n| ", join "\n| ", @out);
}
@files = @in;
}
unless (@files) {
die "No input files given!\n";
}
my(%files, %global, %revreplace);
%revreplace = reverse %replace;
my $filename;
my $patch_opened = 0;
for $filename (@files) {
unless (open IN, "<$filename") {
warn "Unable to read from $filename: $!\n";
next;
}
info("Scanning $filename ...");
my $c = do { local $/; <IN> };
close IN;

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my %file = (orig => $c, changes => 0);
# temporarily remove C comments from the code
my @ccom;
$c =~ s{
(
[^"'/]+
|
(?:"[^"\\]*(?:\\.[^"\\]*)*" [^"'/]*)+
|
(?:'[^'\\]*(?:\\.[^'\\]*)*' [^"'/]*)+
)
|
(/ (?:
\*[^*]*\*+(?:[^$ccs][^*]*\*+)* /
|
/[^\r\n]*
))
}{
defined $2 and push @ccom, $2;
defined $1 ? $1 : "$ccs$#ccom$cce";
}egsx;
$file{ccom} = \@ccom;
$file{code} = $c;
$file{has_inc_ppport} = ($c =~ /#.*include.*\Q$ppport\E/);
my $func;
for $func (keys %API) {
my $match = $func;
$match .= "|$revreplace{$func}" if exists $revreplace{$func};
if ($c =~ /\b(?:Perl_)?($match)\b/) {
$file{uses_replace}{$1}++ if exists $revreplace{$func} && $1 eq $revreplace{$func};
$file{uses_Perl}{$func}++ if $c =~ /\bPerl_$func\b/;
if (exists $API{$func}{provided}) {
if (!exists $API{$func}{base} || $API{$func}{base} > $opt{'compat-version'}) {
$file{uses}{$func}++;
my @deps = rec_depend($func);
if (@deps) {
$file{uses_deps}{$func} = \@deps;
for (@deps) {
$file{uses}{$_} = 0 unless exists $file{uses}{$_};
}
}
for ($func, @deps) {
if (exists $need{$_}) {

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$file{needs}{$_} = 'static';
}
}
}
}
if (exists $API{$func}{todo} && $API{$func}{todo} > $opt{'compat-version'}) {
if ($c =~ /\b$func\b/) {
$file{uses_todo}{$func}++;
}
}
}
}
while ($c =~ /^$HS*#$HS*define$HS+(NEED_(\w+?)(_GLOBAL)?)\b/mg) {
if (exists $need{$2}) {
$file{defined $3 ? 'needed_global' : 'needed_static'}{$2}++;
}
else {
warning("Possibly wrong #define $1 in $filename");
}
}
for (qw(uses needs uses_todo needed_global needed_static)) {
for $func (keys %{$file{$_}}) {
push @{$global{$_}{$func}}, $filename;
}
}
$files{$filename} = \%file;
}
# Globally resolve NEED_'s
my $need;
for $need (keys %{$global{needs}}) {
if (@{$global{needs}{$need}} > 1) {
my @targets = @{$global{needs}{$need}};
my @t = grep $files{$_}{needed_global}{$need}, @targets;
@targets = @t if @t;
@t = grep /\.xs$/i, @targets;
@targets = @t if @t;
my $target = shift @targets;
$files{$target}{needs}{$need} = 'global';
for (@{$global{needs}{$need}}) {
$files{$_}{needs}{$need} = 'extern' if $_ ne $target;
}
}
}

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for $filename (@files) {
    exists $files{$filename} or next;

    info("=== Analyzing $filename ===");

    my %file = %{$files{$filename}};
    my $func;
    my $c = $file{code};

    for $func (sort keys %{$file{uses_Perl}}) {
        if (SAPI{$func}{varargs}) {
            my $changes = ($c =~ s{\bPerl_$_func\s*\(\s*([^\(]*aTHX_\?[^\(]*\))\(([^\(]*)\)\}\s*\$1 . \$2 eq 'y' \? 'aTHX' : 'aTHX_'} . \$2 )ge);
            if ($changes) {
                warning("Doesn't pass interpreter argument aTHX to Perl_$_func");
                $file{changes} += $changes;
            }
        } else {
            warning("Uses Perl_$_func instead of $func");
            $file{changes} += ($c =~ s{\bPerl_$_func\(\s*([^\(]*\)?([^\(]*aTHX_\?[^\(]*\))\)\}\s*$func$1(}g);
        }
    }

    for $func (sort keys %{$file{uses_replace}}) {
        warning("Uses $func instead of $replace{$func}");
        $file{changes} += ($c =~ s{\b$func\s*([^\(]*\)?([^\(]*aTHX_\?[^\(]*\))\)\}\s*$func$1(}g);
    }

    for $func (sort keys %{$file{uses}}) {
        next unless $file{uses}{$func}; # if it's only a dependency
        if (exists $file{uses_deps}{$func}) {
            diag("Uses $func, which depends on ", join(', ', @{$file{uses_deps}{$func}}));
        } elsif (exists $replace{$func}) {
            warning("Uses $func instead of $replace{$func}");
            $file{changes} += ($c =~ s{\b$func\b\}s{$func$replace{$func}\b\}g);
        } else {
            diag("Uses $func");
        }
        hint($func);
    }

    for $func (sort keys %{$file{uses_todo}}) {
        warning("Uses $func, which may not be portable below perl ",
            format_version(SAPI{$func}{todo}));
    }
}
for $func (sort keys %{$file{needed_static}}) {
    my $message = "";
    if (not exists $file{uses}[$func]) {
        $message = "No need to define NEED_$func if $func is never used";
    } elsif (exists $file{needs}[$func] && $file{needs}[$func] ne 'static') {
        $message = "No need to define NEED_$func when already needed globally";
    }
    if ($message) {
        diag($message);
        $file{changes} += ($c =~ s/^$HS*#$HS*define$HS+NEED_$func\b.*$LF//mg);
    }
}

for $func (sort keys %{$file{needed_global}}) {
    my $message = "";
    if (not exists $global{uses}[$func]) {
        $message = "No need to define NEED_$funcGLOBAL if $func is never used";
    } elsif (exists $file{needs}[$func]) {
        if ($file{needs}[$func] eq 'extern') {
            $message = "No need to define NEED_$funcGLOBAL when already needed globally";
        } elsif ($file{needs}[$func] eq 'static') {
            $message = "No need to define NEED_$funcGLOBAL when only used in this file";
        }
    }
    if ($message) {
        diag($message);
        $file{changes} += ($c =~ s/^$HS*#$HS*define$HS+NEED_$funcGLOBAL\b.*$LF//mg);
    }
}

$file{needs_inc_ppport} = keys %{$file{uses}};

if ($file{needs_inc_ppport}) {
    my $pp = "";

    for $func (sort keys %{$file{needs}}) {
        my $type = $file{needs}[$func];
        next if $type eq 'extern';
        my $suffix = $type eq 'global' ? '_GLOBAL' : "";
        unless (exists $file{"needed_$type"}[$func]) {
            if ($type eq 'global') {
                diag("Files @ [$global{needs}[$func]] need $func, adding global request");
            }
        }
    }
}
else {
    diag("File needs $func, adding static request");
}
$pp .= 
"#define NEED_$func$suffix\n";
}

if ($pp && ($c =~ s/^(?=$HS*#$HS*define$HS+NEED_\w+)/$pp/m)) {
    $pp = ";
$file{changes}++;
}

unless ($file{has_inc_ppport}) {
    diag("Needs to include '$ppport'");
    $pp .= qq(#include "$ppport\n")
}

if ($pp) {
    $file{changes} += ($c =~ s/^($HS*#$HS*define$HS+NEED_\w+.*)\^/$1$pp/ms)
    || ($c =~ s/^($HS*#$HS*include.*XSUB.\^s+.*)\^/$1$pp/m)
    || ($c =~ s/^/$pp/);
}
}
else {
    if ($file{has_inc_ppport}) {
        diag("No need to include '$ppport'");
        $file{changes} += ($c =~ s/\^\^{$ppport}.*$LF//m);
    }
}

# put back in our C comments
my $ix;
my $cppc = 0;
my @ccom = @{$file{ccom}};
for $ix (0 .. $#ccom) {
    if (!$opt{cplusplus} && $ccom[$ix] =~ s!^//!!) {
        $cppc++;
        $file{changes} += $c =~ s/$rccs$ix$rcce/$ccs$ccom[$ix] $cce/;
    } else {
        $c =~ s/$rccs$ix$rcce/$ccom[$ix]/;
    }
}

if ($cppc) {
    my $s = $cppc != 1 ? 's' : ";
    warning("Uses $cppc C++ style comment$s, which is not portable");
}


if ($file{changes}) {
  if (exists $opt{copy}) {
    my $newfile = "$filename$opt{copy}";
    if (-e $newfile) {
      error("$newfile' already exists, refusing to write copy of '"filename'"");
    } else {
      local *F;
      if (open F, ">$newfile") {
        info("Writing copy of '"filename' with changes to '"newfile'");
        print F $c;
        close F;
      } else {
        error("Cannot open '"newfile' for writing: $!");
      }
    }
  } elseif (exists $opt{patch} || $opt{changes}) {
    if (exists $opt{patch}) {
      unless ($patch_opened) {
        if (open PATCH, ">$opt{patch}") {
          $patch_opened = 1;
        } else {
          error("Cannot open '"opt{patch}' for writing: $!");
          delete $opt{patch};
          $opt{changes} = 1;
          goto fallback;
        }
      } mydiff(*PATCH, $filename, $c);
    } else {
      fallback:
      info("Suggested changes:";
      mydiff(*STDOUT, $filename, $c);
    } else {
      my $s = $file{changes} == 1 ? '' : 's';
      info("$file{changes} potentially required change$s detected");
    } else {
      info("Looks good");
  }
close PATCH if $patch_opened;

exit 0;

sub mydiff {
    local *F = shift;
    my($file, $str) = @_;
    my $diff;

    if (exists $opt{diff}) {
        $diff = run_diff($opt{diff}, $file, $str);
    }

    if (!defined $diff and can_use('Text::Diff')) {
        $diff = Text::Diff::diff($file, $str, { STYLE => 'Unified' });
        $diff = <<HEADER . $diff;
            --- $file
            +++ $file.patched
            HEADER
    }

    if (!defined $diff) {
        $diff = run_diff('diff -u', $file, $str);
    }

    if (!defined $diff) {
        $diff = run_diff('diff', $file, $str);
    }

    if (!defined $diff) {
        error("Cannot generate a diff. Please install Text::Diff or use --copy.");
        return;
    }

    print F $diff;
}

sub run_diff {
    my($prog, $file, $str) = @_;
my $diff = ''; local *F;

while (-e "$tmp.$suf") { $suf++ } $tmp = "$tmp.$suf";

if (open F, "$tmp") {
    print F $str;
    close F;

    if (open F, "$prog $file $tmp |") {
        while (<F>) {
            s/\Q$tmp\E/$file.patched/;
            $diff .= $_;
        }
        close F;
        unlink $tmp;
        return $diff;
    }
    unlink $tmp;
} else {
    error("Cannot open '$tmp' for writing: $!");
}
return undef;

sub can_use {
    eval "use @_;";
    return $@ eq "";
}

sub rec_depend {
    my $func = shift;
    my %seen;
    return () unless exists $depends{$func};
    grep !$seen{$_}++, map { ($_, rec_depend($_)) } @{$depends{$func}};
}

sub parse_version {
    my $ver = shift;
    if ($ver =~ /^\d+\.(\d+).\d+$/) {

return ($1, $2, $3);
}
elsif ($ver !~ '/\d+/\d+$/') {
    die "cannot parse version '$ver\n";
}

$ver =~ s/_//g;
$ver =~ s/$/000000/;

my($r,$v,$s) = $ver =~ /(/d+),(d\{3\})\(d\{3\})/;

$v = int $v;
$s = int $s;

if ($r < 5 || ($r == 5 && $v < 6)) {
    if ($s % 10) {
        die "cannot parse version '$ver\n";
    }
}

return ($r, $v, $s);
}

sub format_version
{
    my $ver = shift;

    $ver =~ s/$/000000/;
    my($r,$v,$s) = $ver =~ /(/d+),(d\{3\})\(d\{3\})/;

    $v = int $v;
    $s = int $s;

    if ($r < 5 || ($r == 5 && $v < 6)) {
        if ($s % 10) {
            die "invalid version '$ver\n";
        }
        $s /= 10;
    }

    $ver = sprintf "%d.%03d", $r, $v;
    $s > 0 and $ver .= sprintf "_%02d", $s;

    return $ver;
}

return sprintf "%d.%d.%d", $r, $v, $s;
}
sub info
{
    $opt{quiet} and return;
    print @_, "\n";
}

sub diag
{
    $opt{quiet} and return;
    $opt{diag} and print @_, "\n";
}

sub warning
{
    $opt{quiet} and return;
    print "*** \n";
}

sub error
{
    print "*** ERROR: \n";
}

my %given_hints;
sub hint
{
    $opt{quiet} and return;
    $opt{hints} or return;
    my $func = shift;
    exists $hints{$func} or return;
    $given_hints{$func}++ and return;
    my $hint = $hints{$func};
    $hint =~ s/^/   /mg;
    print "   --- hint for $func ---\n", $hint;
}

sub usage
{
    my($usage) = do { local(@ARGV,$/=($0)); <> } =~ /^=head\d$HS+SYNOPSIS\s*\^(.*?)\s*^=/ms;
    my %M = ( 'I' => '*' );
    $usage =~ s/\nperl\S+\n/$^X $0/;
    $usage =~ s/\[A-Z\]<[^>]+>/\M\2\M/;g;

    print <<ENDUSAGE;
Usage: $usage
See perldoc $0 for details.
ENDUSAGE
}
NAME

Algorithm::Diff::XS - Algorithm::Diff with XS core loop

SYNOPSIS

# Drop-in replacement to Algorithm::Diff, but "compact_diff"
# and C<LCSidx> will run much faster for large data sets.
use Algorithm::Diff::XS qw( compact_diff LCSidx );

DESCRIPTION

This module is a simple re-packaging of Joe Schaefer's excellent
but not very well-known L<Algorithm::LCS> with a drop-in interface
that simply re-uses the installed version of the L<Algorithm::Diff>
module.

Note that only the C<LCSidx> function is optimized in XS at the
moment, which means only C<compact_diff> will get significantly
faster for large data sets, while C<diff> and C<sdiff> will run
in identical speed as C<Algorithm::Diff>.

BENCHMARK

<table>
<thead>
<tr>
<th>Rate</th>
<th>Algorithm::Diff</th>
<th>Algorithm::Diff::XS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Algorithm::Diff</td>
<td>14.7/s</td>
<td>--</td>
</tr>
<tr>
<td>Algorithm::Diff::XS</td>
<td>806/s</td>
<td>5402%</td>
</tr>
</tbody>
</table>

The benchmarking script is as below:

```perl
my @data = ([qw/a b d/ x 50], [qw/b a d c/ x 50]);
cmptheser 500, { 'Algorithm::Diff' => sub { Algorithm::Diff::compact_diff(@data) } }
```
},
'Algorithm::Diff::XS' => sub {
    Algorithm::Diff::XS::compact_diff(@data)
},
}
);

=head1 SEE ALSO

L<Algorithm::Diff>, L<Algorithm::LCS>.

=head1 AUTHORS

Audrey Tang E<lt>cpan@audreyt.orgE<gt>

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=cut

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018674118_1591373584.59/0/libalgorithm-diff-xs-perl-0-04-orig-tar-
gz/Algorithm-Diff-XS-0.04/lib/Algorithm/Diff/XS.pm
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018674118_1591373584.59/0/libalgorithm-diff-xs-perl-0-04-orig-tar-
gz/Algorithm-Diff-XS-0.04/README

1.308 jackson-jaxrs-base 2.10.4

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1.310 apt 1.2.32

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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 HTTPSCollectionPool)

* erikcederstrand <http://code.google.com/u/erikcederstrand/>
  * NTLM-authenticated HTTPSCollectionPool
  * Basic-authenticated HTTPSCollectionPool (merged into make_headers)

* niphlod <niphlod@gmail.com>
  * Client-verified SSL certificates for HTTPSCollectionPool
  * 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.

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  * 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://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@goolemail.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 `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()`.

* 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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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.

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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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*/
/**
* Encodes and decodes to and from Base64 notation.
*
* Change Log:
* <p>
* <ul>
* <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 (int s that you "OR" together).</li>
* <li>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 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).</li>
* <li>v1.5 - OutputStream 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.</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>

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* @author Robert Harder
* @author rob@iharder.net
* @version 2.1
*/

Found in path(s):
* /opt/cola/permits/1114224941_1607455166.13/0/xmltooling-1-4-4-sources-2-jar/org/opensaml/xml/util/Base64.java

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2001-12-12

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for the initial saa7146 driver and its recent overhaul

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for his work on the initial Linux DVB driver

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for their continuing work on the DVB driver

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for his contributions to the dvb-net driver

Diego Picciani <d.picciani@novacomp.it>
for CyberLogin for Linux which allows logging onto EON
(in case you are wondering where CyberLogin is, EON changed its login procedure and CyberLogin is no longer used.)

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for patching the cable card decoder driver

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for the or51211 and or51132 frontend drivers, and
for merging the nxt2002 and nxt2004 modules into a
single nxt200x frontend driver.

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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
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* /opt/ws_local/PERMITS_SQL/1069084550_1594481475.48/0/spring-orm-4-3-19-release-sources-jar/org/springframework/orm/hibernate3/support/OpenSessionInViewFilter.java
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* /opt/ws_local/PERMITS_SQL/1069084550_1594481475.48/0/spring-orm-4-3-19-release-sources-jar/org/springframework/orm/jpa/support/OpenEntityManagerInViewInterceptor.java
* /opt/ws_local/PERMITS_SQL/1069084550_1594481475.48/0/spring-orm-4-3-19-release-sources-jar/org/springframework/orm/hibernate4/support/OpenSessionInViewFilter.java
* /opt/ws_local/PERMITS_SQL/1069084550_1594481475.48/0/spring-orm-4-3-19-release-sources-jar/org/springframework/orm/hibernate4/HibernateTemplate.java
* /opt/ws_local/PERMITS_SQL/1069084550_1594481475.48/0/spring-orm-4-3-19-release-sources-jar/org/springframework/orm/jdo/support/OpenPersistenceManagerInViewFilter.java
* /opt/ws_local/PERMITS_SQL/1069084550_1594481475.48/0/spring-orm-4-3-19-release-sources-jar/org/springframework/orm/jpa/support/OpenEntityManagerInViewInterceptor.java
* /opt/ws_local/PERMITS_SQL/1069084550_1594481475.48/0/spring-orm-4-3-19-release-sources-jar/org/springframework/orm/hibernate4/spring/SpringSessionSynchronization.java
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* /opt/ws_local/PERMITS_SQL/1069084550_1594481475.48/0/spring-orm-4-3-19-release-sources-jar/org/springframework/orm/hibernate4/HibernateTemplate.java

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 */

/**
 * Create a transactional EntityManager proxy for the given EntityManagerFactory.
 * @param emf the EntityManagerFactory to obtain EntityManagers from as needed
 * @param properties the properties to be passed into the
 *  [@code createEntityManager] call (may be [@code null])
 * @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/ws_local/PERMITS_SQL/1069084550_1594481475.48/0/spring-orm-4-3-19-release-sources-jar/org/springframework/orm/jpa/vendor/EclipseLinkJpaVendorAdapter.java

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* /opt/ws_local/PERMITS_SQL/1069084550_1594481475.48/0/spring-orm-4-3-19-release-sources-jar/org/springframework/orm/jpa/support/PersistenceAnnotationBeanPostProcessor.java
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1.336 annotations 3.0.1

1.337 jetty-http 9.4.17.v20190418

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Eclipse

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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

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
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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

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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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* /opt/cola/permits/1112015975_1607033487.84/0/json4s-ext-2-10-3-2-5-sources-1-jar/org/json4s/ext/JodaTimeSerializers.scala
* /opt/cola/permits/1112015975_1607033487.84/0/json4s-ext-2-10-3-2-5-sources-1-jar/org/json4s/ext/EnumSerializer.scala

1.339 libsemanage-common 2.3-1build3
1.339.1 Available under license:

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arch-tag: d4250e44-a0e0-4ee0-adb9-2bd7f6eeb27

1.340 cas-client-core 3.2.1

1.341 libasan 5.4.0-6ubuntu1~16.04.12

1.341.1 Available under license:

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<th>Directory</th>
</tr>
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<tr>
<td>mach_override</td>
<td>lib/interception/mach_override</td>
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Version 2.1, February 1999

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* m4/ax_func_which_gethostbyname_r.m4

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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 (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(agher@uts.amdahl.com) supplied the NetBSD and 386BSD ports.

Jeffrey Hsu (hhu@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 notIBM 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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#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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/* 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
 * 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>implies</code>, when making access control decisions.
* @param obj the object to compare to
* @return true if this object equals obj
*/
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>"'f' getActions()+"'''+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
Jan 21, 2002

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package gnu.classpath.tools.taglets;

import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sunavadoc.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() + "" + tags[i].text() + "</dt>");
                }
            result.append("</dl>");
            return result.toString();
        }
        else {
            return null;
        }
    }
}
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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, \".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_OUTPUTAligned_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), \".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. */
/* Sequent has some changes in the format of DBX symbols. */
#define USER_LABEL_PREFIX "_"

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

#define DBX_CONTIN_LENGTH 0

java/security/acl/Permission
java/lang/Object
equals(Ljava/lang/Object;)Z
toString()Ljava/lang/String;
SourceFilePermission.java

@ignore
@c Set file name and title for man page.
@setfilename gfdl
@settitle GNU Free Documentation License
@c man begin SEEALSO
gpl(7), fsf-funding(7).
@c man end
@c man begin COPYRIGHT
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@end ignore
@c Special handling for inclusion in the install manual.
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@comment node-name, next, previous, up
@node GNU Free Documentation License, Concept Index, Old, Top
@end ifnothtml
@html
<html align="center">Installing GCC: GNU Free Documentation License</html>
@end html
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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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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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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.)

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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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.)

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

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

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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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__

16/gnu/javax/sound/AudioSecurityManager$Permissionjava/lang/EnumPLAY1Lgnu/javax/sound/AudioSecurityManager$Permission;RECORDALLENUM$VALUES2[Lgnu/javax/sound/AudioSecurityManager$Permission;<clinit>()VCode
<init>(Ljava/lang/String;I)V
LineNumberTableLocalVariableTable
thisvalues4()[Lgnu/javax/sound/AudioSecurityManager$Permission;
$&%java/lang/System'(arraycopy*(Ljava/lang/Object;ILjava/lang/Object;II)VvalueOfE(Ljava/lang/String;)Lgnu/javax/sound/AudioSecurityManager$Permission;)
-5(Ljava/lang/Class;Ljava/lang/String;)Ljava/lang/Enum;
GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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This GCC Runtime Library Exception ("Exception") is an additional permission under section 7 of the GNU General Public License, version 3 ("GPLv3"). It applies to a given file (the "Runtime Library") that bears a notice placed by the copyright holder of the file stating that the file is governed by GPLv3 along with this Exception.

When you use GCC to compile a program, GCC may combine portions of certain GCC header files and runtime libraries with the compiled program. The purpose of this Exception is to allow compilation of non-GPL (including proprietary) programs to use, in this way, the header files and runtime libraries covered by this Exception.

0. Definitions.

A file is an "Independent Module" if it either requires the Runtime Library for execution after a Compilation Process, or makes use of an interface provided by the Runtime Library, but is not otherwise based on the Runtime Library.

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"Target Code" refers to output from any compiler for a real or virtual target processor architecture, in executable form or suitable for input to an assembler, loader, linker and/or execution phase. Notwithstanding that, Target Code does not include data in any format that is used as a compiler intermediate representation, or used for producing a compiler intermediate representation.

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.

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.

1. Grant of Additional Permission.

You have permission to propagate a work of Target Code formed by combining the Runtime Library with Independent Modules, even if such propagation would otherwise violate the terms of GPLv3, provided that all Target Code was generated by Eligible Compilation Processes. You may then convey such a combination under terms of your choice, consistent with the licensing of the Independent Modules.

2. No Weakening of GCC Copyleft.

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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.

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that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

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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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portion of it, either verbatim or with modifications and/or translated
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``Source code'' for a work means the preferred form of the work for
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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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If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

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

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

@item
Verify that the user has already received a copy of these materials or that you have already sent this user a copy.
@end enumerate
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FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF
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DAMAGES.
@end enumerate

@end iftex
@heading END OF TERMS AND CONDITIONS
@end iftex
@ifinfo
@center END OF TERMS AND CONDITIONS
@end ifinfo
@page
@appendixsubsec How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the
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safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
``copyright'' line and a pointer to where the full notice is found.

@example
@var{one line to give the library's name and an idea of what it does.}
Copyright (C) @var{year}  @var{name of author}

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USA.
@end smallexample

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

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

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

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

That's all there is to it!

// 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__

" 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 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<<.
.tr \*(-W-
.ds C+ C\v'-.1v\h'-1p\'s-2+\h'-1p\'+s0\v'.1v\h'-1p'
.ie n \[
 . ds -- \*(-W-
 . ds PI pi
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).

Fudge factors for nroff and troff

Simple accents for nroff and troff
For nroff, turn off justification. Always turn off hyphenation; it makes way too many mistakes in technical documents.
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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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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@nokia.mtia.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauthmann@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(agus@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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@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.
@item Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.
@item Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.
@item Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source.
Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

@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

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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"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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@end enumerate

@end menu

@end quote

@end example

@end itemize

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@itemize{noitemsep}

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@end itemize

@heading END OF TERMS AND CONDITIONS

@heading 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 state the exclusion of warranty; and each file should have at least the ``copyright'' line and a pointer to where the full notice is found.

@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}
This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.
This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.
You should have received a copy of the GNU General Public License along with this program. If not, see @url{http://www.gnu.org/licenses/}.
@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:

```
@smallexample
@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 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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```java
ConstantValue	copyrightHEADER
Copyright:<init>()VCode
LineNumberTableLocalVariableTablethis-
inField()Z
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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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#
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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 + '\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',
            ...])
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+*[0-9-9]'

        # 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.
# Matches a full copyright notice:
self.copyright_re = re.compile (r'
# 1: 'Copyright (C)', etc.
'\(\[Cc\]opyright\)
\\[Cc\\]opyrights+\[Cc\]\\)'
\\[Cc\\]opyrights+%s'
\\[Cc\\]opyrights++copy;'
\\[Cc\\]opyrights+@copyright{ }'
'copyright = \u''
[@sets+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)]
            + ('' if intro.startswith('copyright = ') else ' ')
            + self.errors.report(pathname, str(e))
            + 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):
            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

    ' % (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',
            })
class TestsuiteFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_extensions |= set(['
            # Don’t change the tests, which could be owned 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 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',
            ])

'soft-fp',
])
# 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')
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', GCCFilter())
        self.add_dir(os.path.join('gcc', 'testsuite'), TestsuiteFilter())
        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 = [    

GCCCmdLine().main()

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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.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>
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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

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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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1.358 yarl 0.18.0

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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
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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*/opt/cola/permits/1112362180_1607072345.87/0/spring-boot-1-5-12-release-sources-
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 */
jar/org/springframework/boot/ansi/AnsiColor.java
* /opt/cola/permits/1112362180_1607072345.87/0/spring-boot-1-5-12-release-sources-jar/org/springframework/boot/env/PropertySourceLoader.java
* /opt/cola/permits/1112362180_1607072345.87/0/spring-boot-1-5-12-release-sources-jar/org/springframework/boot/SpringBootBanner.java
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* /opt/cola/permits/1112362180_1607072345.87/0/spring-boot-1-5-12-release-sources-jar/org/springframework/bootstrap/jta/Bitronix/package-info.java
1.361 passwd 1:4.2-3.1ubuntu5.4

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

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

1.365 spring-oxm 4.3.19.RELEASE

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* /opt/ws_local/PERMITS_SQL/1069086836_1594481702.920/spring-oxm-4-3-19-release-sources-1-jar/org/springframework/oxm/MarshallingException.java
* /opt/ws_local/PERMITS_SQL/1069086836_1594481702.920/spring-oxm-4-3-19-release-sources-1-jar/org/springframework/oxm/UnmarshallingFailureException.java
* /opt/ws_local/PERMITS_SQL/1069086836_1594481702.920/spring-oxm-4-3-19-release-sources-1-jar/org/springframework/oxm/support/MarshallingSource.java
* /opt/ws_local/PERMITS_SQL/1069086836_1594481702.920/spring-oxm-4-3-19-release-sources-1-jar/org/springframework/oxm/support/SaxResourceUtils.java
* /opt/ws_local/PERMITS_SQL/1069086836_1594481702.920/spring-oxm-4-3-19-release-sources-1-jar/org/springframework/oxm/Unmarshaller.java
* /opt/ws_local/PERMITS_SQL/1069086836_1594481702.920/spring-oxm-4-3-19-release-sources-1-jar/org/springframework/oxm/config/CastorMarshallerBeanDefinitionParser.java

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* /opt/ws_local/PERMITS_SQL/1069086836_1594481702.920/spring-oxm-4-3-19-release-sources-1-jar/org/springframework/oxm/config/CastorMarshallerBeanDefinitionParser.java

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* /opt/ws_local/PERMITS_SQL/1069086836_1594481702.92/0/spring-oxm-4-3-19-release-sources-1-
  jar/org/springframework/oxm/jaxb/Jaxb2Marshaller.java
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jar/org/springframework/oxm/xmlbeans/XmlOptionsFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1069086836_1594481702.92/0/spring-oxm-4-3-19-release-sources-1-
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* /opt/ws_local/PERMITS_SQL/1069086836_1594481702.92/0/spring-oxm-4-3-19-release-sources-1-
jar/org/springframework/oxm/config/JibxMarshallerBeanDefinitionParser.java

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jar/org/springframework/oxm/xmlbeans/XmlBeansMarshaller.java
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* /opt/ws_local/PERMITS_SQL/1069086836_1594481702.92/0/spring-oxm-4-3-19-release-sources-1.jar/org/springframework/oxm/Marshaller.java
* /opt/ws_local/PERMITS_SQL/1069086836_1594481702.92/0/spring-oxm-4-3-19-release-sources-1.jar/org/springframework/oxm/xstream/CatchAllConverter.java
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* /opt/ws_local/PERMITS_SQL/1069086836_1594481702.92/0/spring-oxm-4-3-19-release-sources-1-
jar/org/springframework/oxm/mime/MimeUnmarshaller.java

1.366 mongodb-driver-core 3.12.4
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/*
* Written by Doug Lea with assistance from members of JCP JSR-166
*/
* 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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* 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 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

/**
 * Reads a sequence of bytesProduced from this channel into a subsequence of the
 * given buffers.
 *
 * <p>
 * See { @link ScatteringByteChannel#read(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 #read(ByteBuffer)} for
 * more details.
 *
 * @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
*/

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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/ReadConcernHelper.java
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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/tlschannel/NeedsReadException.java
* /opt/ws_local/PERMITS_SQL/1084247307_1598436429.19/0/mongodb-driver-core-3-12-4-sources-jar/com/mongodb/internal/connection/tlschannel/impl/ByteBufferUtil.java

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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/UsageTrackingInternalConnection.java
* /opt/ws_local/PERMITS_SQL/1084247307_1598436429.19/0/mongodb-driver-core-3-12-4-sources-jar/com/mongodb/operation/FsyncUnlockOperation.java
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*/opt/ws_local/PERMITS_SQL/1069083184_1594481200.44/0/spring-webmvc-portlet-4-3-19-release-sources-jar/org/springframework/web/portlet/HandlerExecutionChain.java
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* /opt/ws_local/PERMITS_SQL/1069083184_1594481200.44/0/spring-webmvc-portlet-4-3-19-release-sources-jar/org/springframework/web/portlet/context/XmlPortletApplicationContext.java
* /opt/ws_local/PERMITS_SQL/1069083184_1594481200.44/0/spring-webmvc-portlet-4-3-19-release-sources-jar/org/springframework/web/mvc/EventAwareController.java

1.368 okhttp 3.12.1

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  jar/okhttp3/internal/annotations/EverythingIsNonNull.java
* /opt/cola/permits/1113081426_1607374231.22/0/okhttp-3-12-1-sources-1-
  jar/okhttp3/internal/proxy/NullProxySelector.java
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* /opt/cola/permits/1113081426_1607374231.22/0/okhttp-3-12-1-sources-1-
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* /opt/cola/permits/1113081426_1607374231.22/0/okhttp-3-12-1-sources-1-jar/okhttp3/EventListener.java
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* /opt/cola/permits/1113081426_1607374231.22/0/okhttp-3-12-1-sources-1-jar/okhttp3/internal/http2/Settings.java
* /opt/cola/permits/1113081426_1607374231.22/0/okhttp-3-12-1-sources-1-jar/okhttp3/internal/connection/RouteSelector.java
* /opt/cola/permits/1113081426_1607374231.22/0/okhttp-3-12-1-sources-1-jar/okhttp3/OkHttpClient.java
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  * /opt/cola/permits/1113081426_1607374231.22/0-okhttp-3-12-1-sources-1-jar/okhttp3/ConnectionPool.java
  * /opt/cola/permits/1113081426_1607374231.22/0-okhttp-3-12-1-sources-1-jar/okhttp3/Headers.java
  * /opt/cola/permits/1113081426_1607374231.22/0-okhttp-3-12-1-sources-1-jar/okhttp3/internal/tls/DistinguishedNameParser.java
  * /opt/cola/permits/1113081426_1607374231.22/0-okhttp-3-12-1-sources-1-jar/okhttp3/internal/tls/OkHostnameVerifier.java
  * /opt/cola/permits/1113081426_1607374231.22/0-okhttp-3-12-1-sources-1-jar/okhttp3/internal/tls/CertificateChainCleaner.java
  * /opt/cola/permits/1113081426_1607374231.22/0-okhttp-3-12-1-sources-1-jar/okhttp3/internal/platform/OptionalMethod.java
  * /opt/cola/permits/1113081426_1607374231.22/0-okhttp-3-12-1-sources-1-jar/okhttp3/internal/connection/ConnectInterceptor.java
  * /opt/cola/permits/1113081426_1607374231.22/0-okhttp-3-12-1-sources-1-jar/okhttp3/internal/http/BridgeInterceptor.java
  * /opt/cola/permits/1113081426_1607374231.22/0-okhttp-3-12-1-sources-1-jar/okhttp3/internal/cache/CacheInterceptor.java

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* /opt/cola/permits/1113081426_1607374231.22/0-okhttp-3-12-1-sources-1-jar-okhttp3/MultipartBody.java
* /opt/cola/permits/1113081426_1607374231.22/0-okhttp-3-12-1-sources-1-jar-okhttp3/CacheRequest.java
* /opt/cola/permits/1113081426_1607374231.22/0-okhttp-3-12-1-sources-1-jar-okhttp3/CertificatePinner.java
* /opt/cola/permits/1113081426_1607374231.22/0-okhttp-3-12-1-sources-1-jar-okhttp3/WebSocketReader.java
* /opt/cola/permits/1113081426_1607374231.22/0-okhttp-3-12-1-sources-1-jar-okhttp3/Protocol.java
* /opt/cola/permits/1113081426_1607374231.22/0-okhttp-3-12-1-sources-1-jar-okhttp3/ws/WebSocketProtocol.java

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* /opt/cola/permits/1113081426_1607374231.22/0/okhttp-3-12-1-sources-1-jar/okhttp3/internal/http2/Http2.java
* /opt/cola/permits/1113081426_1607374231.22/0/okhttp-3-12-1-sources-1-jar/okhttp3/internal/http2/ErrorCode.java
* /opt/cola/permits/1113081426_1607374231.22/0/okhttp-3-12-1-sources-1-jar/okhttp3/InternalCache.java
* /opt/cola/permits/1113081426_1607374231.22/0/okhttp-3-12-1-sources-1-jar/okhttp3/CacheStrategy.java
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* /opt/cola/permits/1113081426_1607374231.22/0/okhttp-3-12-1-sources-1-jar/okhttp3/Route.java
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* /opt/cola/permits/1113081426_1607374231.22/0/okhttp-3-12-1-sources-1-jar/okhttp3/MediaType.java
* /opt/cola/permits/1113081426_1607374231.22/0/okhttp-3-12-1-sources-1-jar/okhttp3/internal/http2/Hpack.java
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1.369 python-dev 3.5.1-3
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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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py3compile, py3clean and debpython module:

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1.370 yarl 1.2.0
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1.371 hibernatejpa2.0api 1.0.1.Final

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1.372 py-zipkin 0.4.4

1.372.1 Available under license:

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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
License: Copyright Yelp 2016
Platform: UNKNOWN
Classifier: Development Status :: 3 - Alpha
Classifier: Intended Audience :: Developers
Classifier: Topic :: Software Development :: Libraries :: Python Modules
Classifier: License :: OSI Approved :: Apache Software License
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

1.373 setuptools-scm 3.4.3

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1.374 maglev-api 1.6.24
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Metadata-Version: 2.0
Name: maglev-api
Version: 1.6.24
Summary: Maglev API (1.6.24)
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 pyvenv to create a virtual environment

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* /opt/cola/permits/1125177884_1611254842.02/0/maglev-api-1-6-24-dist-info-
  zip/licenseservice_extracted/maglev_api-1.6.24-py2.py3-none-any.whl_extracted/maglev_api-1.6.24.dist-
  info/METADATA

1.375 spring-aop 4.3.29.RELEASE
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jar/org/springframework/aop/aspectj/RuntimeTestWalker.java

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jar/org/springframework/aop/AfterAdvice.java
* /opt/ws_local/PERMITS_SQL/1093519611_1600946735.24/0/spring-aop-4-3-29-release-sources-
jar/org/springframework/aop/framework/AopInfrastructureBean.java
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* /opt/ws_local/PERMITS_SQL/1093519611_1600946735.24/0/spring-aop-4-3-29-release-sources-jar/org/springframework/aop/config/PointcutEntry.java
* /opt/ws_local/PERMITS_SQL/1093519611_1600946735.24/0/spring-aop-4-3-29-release-sources-jar/org/springframework/aop/config/AspectEntry.java
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* /opt/ws_local/PERMITS_SQL/1093519611_1600946735.24/0/spring-aop-4-3-29-release-sources-jar/org/springframework/aop/framework/ProxyFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1093519611_1600946735.24/0/spring-aop-4-3-29-release-sources-jar/org/springframework/aop/aspectj/autoproxy/AspectJPrecedenceComparator.java
* /opt/ws_local/PERMITS_SQL/1093519611_1600946735.24/0/spring-aop-4-3-29-release-sources-jar/org/springframework/aop/aspectj/annotation/ReflectiveAspectJAdvisorFactory.java

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

That's all there is to it!
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
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

<table>
<thead>
<tr>
<th>Slice</th>
<th>Start</th>
<th>End</th>
<th>Sectors</th>
<th>Size</th>
<th>Type</th>
<th>Fsize</th>
<th>Bsize</th>
<th>Cpg</th>
</tr>
</thead>
<tbody>
<tr>
<td>a</td>
<td>4096</td>
<td>6144</td>
<td>2049</td>
<td>1M</td>
<td>4.2BSD</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>c</td>
<td>4096</td>
<td>20479</td>
<td>16384</td>
<td>8M</td>
<td>unused</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>d</td>
<td>0</td>
<td>16064</td>
<td>16065</td>
<td>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
Version 6  7  4.2BSD  b  HPFS  f  HFS
Version 7  8  MS-DOS  c  ISO-9660  10  AdvFS
System V

Command (m for help):

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The current maintainer is LaMont Jones <lamont@debian.org>.
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Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2df055067c18f2ef9 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
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
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--------
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--------
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
-------------------
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

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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 2nd primary partition
1beb87248e05d462b749da65d023 bsd.img
Set 2nd partition type
2d8e8df5a88a045db233418dd73f be 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.

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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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
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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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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
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>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</th>
<th>Start</th>
<th>End</th>
<th>Sectors</th>
<th>Size</th>
<th>Type</th>
<th>Fsize</th>
<th>Bsize</th>
<th>Cpg</th>
</tr>
</thead>
<tbody>
<tr>
<td>a</td>
<td>4096</td>
<td>6144</td>
<td>2049</td>
<td>1M</td>
<td>4.2BSD</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>c</td>
<td>4096</td>
<td>20479</td>
<td>16384</td>
<td>8M</td>
<td>unused</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>d</td>
<td>0</td>
<td>16064</td>
<td>16065</td>
<td>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):
-------------------
Command (m for help):
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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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Manifest-Version: 1.0
Archiver-Version: Plexus Archiver
Created-By: 1.6.0_20 (Apple Inc.)
Built-By: hardy
Build-Jdk: 1.6.0_20
Implementation-Title: hibernate-validator
Implementation-URL: http://validator.hibernate.org/hibernate-validator
Implementation-Vendor: org.hibernate
Implementation-Vendor-Id: org.hibernate
Implementation-Version: 4.1.0.Final
Specification-Title: Bean Validation
Export-Package: org.hibernate.validator;uses:="javax.validation, javax.
Tool: Bnd-0.0.357
Bundle-Name: Hibernate Validator
Bundle-Version: 4.1.0.Final
Bnd-LastModified: 1277730439454
Bundle-ManifestVersion: 2
Bundle-Description: Hibernate's Bean Validation (JSR-303) reference im
plementation.
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Import-Package: javax.persistence;resolution:=optional;version="[2.0.0,.3.0.0)";javax.validation;version="[1.0.0,2.0.0)";javax.validation.constraints;version="[1.0.0,2.0.0)";javax.validation.groups;version="[1.0.0,2.0.0)";javax.validation.metadata;version="[1.0.0,2.0.0)";javax.validation.spi;version="[1.0.0,2.0.0)";javax.xml.bind;version=0;javax.xml.bind.annotation;version=0;javax.xml.bind.annotation.adapters;version=0;javax.xml.namespace;version=0;javax.xml.transform;version=0;javax.xml.transform.stream;version=0;javax.xml.validation;version=0;org.slf4j;version="[1.5.6,2.0.0)";org.xml.sax;version=0
Bundle-SymbolicName: org.hibernate.validator
Originally-Created-By: Apache Maven

Found in path(s):
* /opt/cola/permits/1124404915_1611061046.67/0/hibernate-validator-4-1-0-final-3-jar/META-INF/MANIFEST.MF

1.379 libidn 1.32 3ubuntu1.2
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Initialize empty image
f1c9645db614efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57c721e38d1266c2df05067c18f2cf9 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
1bebf87248e05d6e462b749da65d023 bsd.img
Set 2nd partition type
2d8e8dcb188a045db233418dd73fbe 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
Disk label 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.

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):
Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb 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
1b84be87248e05d6e4e626749da65d023 bsd.img
Set 2nd partition type
2d8e8d7f51a88a045db233418dd73fbe 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
2e1ccee529cb59c9341afe0443f196a1 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.

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):
Format: http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: util-linux
Upstream-Contact: util-linux@vger.kernel.org
Source: https://www.kernel.org/pub/linux/utils/util-linux/

Files: *
Copyright:  Michal Luscon <mluscon@redhat.com>
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  1990 Gordon Irlam (gordoni@cs.ua.oz.au)
  1991, 1992 Linus Torvalds
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  1992  A. V. Le Blanc (LeBlanc@mcc.ac.uk)
  1992-1997 Michael K. Johnson, johnsonm@redhat.com
    2003, 2004, 2005, 2008 Theodore Ts'o <tytso@mit.edu>
  1994 Kevin E. Martin (martin@cs.unc.edu)
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  1994,1996 Alessandro Rubini (rubini@ipvvis.unipv.it)
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      schedutils/taskset.c
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      lib/loopdev.c
      lib/sysfs.c
      lib/ttyutils.c
      lib/xgetpass.c
      misc-utils/mcookie.c
      sys-utils/setsid.c
      text-utils/line.c
Copyright: n/a
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Files: login-utils/vipw.c
misc-utils/cal.c
misc-utils/kill.c
misc-utils/logger.c
misc-utils/look.c
misc-utils/whereis.c
sys-utils/renice.c
term-utils/mesg.c
term-utils/script.c
term-utils/ttymsg.c
term-utils/wall.c
term-utils/write.c
text-utils/col.c
text-utils/colcrt.c
text-utils/colrm.c
text-utils/column.c
text-utils/hexdump.c
text-utils/hexdump.h
text-utils/hexdump-conv.c
text-utils/hexdump-display.c
text-utils/hexdump-parse.c
text-utils/rev.c
text-utils/ul.c

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   libuuid/src/*
   libuuid/man/*
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   include/xalloc.h
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   libfdisk/src/*
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  libblkid/samples/*
  libblkid/src/partitions/*
  libblkid/src/superblocks/*
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This gmp package was built for Debian by

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1.393 flask 1.0.2

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1.394 jedis 2.10.2

1.395 jetty-servlets 9.4.17.v20190418

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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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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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1.396 jetty-io 9.4.17.v20190418

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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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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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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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1.397 libpython 3.5.2-2ubuntu0~16.04.12

1.397.1 Available under license:

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

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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
'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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* /opt/cola/permits/1125288622_1612270809.38/0/com-springsource-slf4j-api-sources-1-5-6-jar-zip/com-springsource-slf4j-api-sources-1-5-6-jar-org/slf4j/IMarkerFactory.java
* /opt/cola/permits/1125288622_1612270809.38/0/com-springsource-slf4j-api-sources-1-5-6-jar-zip/com-springsource-slf4j-api-sources-1-5-6-jar-org/slf4j/helpers/Util.java
* /opt/cola/permits/1125288622_1612270809.38/0/com-springsource-slf4j-api-sources-1-5-6-jar-zip/com-springsource-slf4j-api-sources-1-5-6-jar-org/slf4j/spi/LocationAwareLogger.java
* /opt/cola/permits/1125288622_1612270809.38/0/com-springsource-slf4j-api-sources-1-5-6-jar-zip/com-springsource-slf4j-api-sources-1-5-6-jar-org/slf4j/spi/AbstractMarkerFactory.java

Open Source Used In DNAC System Engineering fury 6876
1.404 libprocps4 2:3.3.10-4ubuntu2.4

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  jar/org/objectweb/asm/tree/analysis/package.html
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jar/org/objectweb/asm/xml/Processor.java
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jar/org/objectweb/asm/xml/SAXCodeAdapter.java
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1.407 commons-pool 1.6

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1.410 annotations 13.0

1.411 junit 4.10

1.412 shiro-cache 1.6.0
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1.413 make 4.1 6

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

The hypothetical commands `show w' and `show c' should show the appropriate 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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[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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This option is useful when you wish to copy part of the code of
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threshold for this to be true is not precisely defined by law.

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functions (ten lines or less in length), then the use of the object
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library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
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1.416 debconf 1.5.58ubuntu2

1.416.1 Available under license:

Format: http://dep.debian.net/deps/dep5/
Source: native package

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* /opt/ws_local/PERMITS_SQL/1069083517_1594482173.79/0/spring-web-4-3-19-release-sources-1-jar/org/springframework/http/convert/StringHttpMessageConverter.java
* /opt/ws_local/PERMITS_SQL/1069083517_1594482173.79/0/spring-web-4-3-19-release-sources-1-jar/org/springframework/web/context/support/LiveBeansViewServlet.java
* /opt/ws_local/PERMITS_SQL/1069083517_1594482173.79/0/spring-web-4-3-19-release-sources-1-jar/org/springframework/http/multipart/commons/CommonsFileUploadSupport.java
* /opt/ws_local/PERMITS_SQL/1069083517_1594482173.79/0/spring-web-4-3-19-release-sources-1-jar/org/springframework/http/client/HttpComponentsAsyncClientHttpRequestFactory.java
* /opt/ws_local/PERMITS_SQL/1069083517_1594482173.79/0/spring-web-4-3-19-release-sources-1-jar/org/springframework/web/bind/annotation/RestController.java
* /opt/ws_local/PERMITS_SQL/1069083517_1594482173.79/0/spring-web-4-3-19-release-sources-1-jar/org/springframework/http/convert/json/GsonFactoryBean.java
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* /opt/ws_local/PERMITS_SQL/1069083517_1594482173.79/0/spring-web-4-3-19-release-sources-1-jar/org/springframework/remoting/httpinvoker/SimpleHttpInvokerServiceExporter.java
* /opt/ws_local/PERMITS_SQL/1069083517_1594482173.79/0/spring-web-4-3-19-release-sources-1-
jar/org/springframework/remoting/httpinvoker/HttpInvokerClientInterceptor.java
* /opt/ws_local/PERMITS_SQL/1069083517_1594482173.79/0/spring-web-4-3-19-release-sources-1-
ar/jar/org/springframework/web/context/request/async/CallableProcessingInterceptor.java
* /opt/ws_local/PERMITS_SQL/1069083517_1594482173.79/0/spring-web-4-3-19-release-sources-1-
ar/jar/org/springframework/web/context/ResponseErrorHandler.java
* /opt/ws_local/PERMITS_SQL/1069083517_1594482173.79/0/spring-web-4-3-19-release-sources-1-
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  jar/org/springframework/web/util/ServletContextPropertyUtils.java
* /opt/ws_local/PERMITS_SQL/1069083517_1594482173.79/0/spring-web-4-3-19-release-sources-1-
  jar/org/springframework/remoting/caucho/BurlapExporter.java
* /opt/ws_local/PERMITS_SQL/1069083517_1594482173.79/0/spring-web-4-3-19-release-sources-1-
  jar/org/springframework/web/context/request/RequestAttributes.java
* /opt/ws_local/PERMITS_SQL/1069083517_1594482173.79/0/spring-web-4-3-19-release-sources-1-
  jar/org/springframework/remoting/caucho/BurlapServiceExporter.java
* /opt/ws_local/PERMITS_SQL/1069083517_1594482173.79/0/spring-web-4-3-19-release-sources-1-
  jar/org/springframework/web/context/support/AbstractRefreshableWebApplicationContext.java
* /opt/ws_local/PERMITS_SQL/1069083517_1594482173.79/0/spring-web-4-3-19-release-sources-1-
  jar/org/springframework/remoting/caucho/HessianServiceExporter.java
* /opt/ws_local/PERMITS_SQL/1069083517_1594482173.79/0/spring-web-4-3-19-release-sources-1-
  jar/org/springframework/web/context/support/StandardServletEnvironment.java
* /opt/ws_local/PERMITS_SQL/1069083517_1594482173.79/0/spring-web-4-3-19-release-sources-1-
  jar/org/springframework/remoting/caucho/BurlapProxyFactoryBean.java
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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 });
    }
}
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That's all there is to it!
/* 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
* /
}

/**
 * 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> Jahr + getClass().getName() + ' ' + getName() + ' ' + getActions
 * + ' ' + 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(' ');
    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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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();
}
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;

/**<p>
 * 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;
    }
}
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 System Engineering fury 7036


return null;
}
}
}
}
.. _gnu_fd:

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David Megginson, sax@megginson.com
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* m4/ax_func_which_gethostbyname_r.m4

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#
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# 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',
            'COPYING.COMMENT',
        ])
'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',
'ltlsugar.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 ('	')
    return None

def skip_file (self, dir, filename):
    if filename in self.skip_files:
        return False

    if filename in self.imported_files:
        return False

    return True
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(
    '(?P<year>'
    '[Cc]opyright\s+\(?[Cc]\)\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*(@?\s+? + 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() + '\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)

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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',
        )
        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',
            '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')
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_extern_author ('Peter Dimov and Multi Media Ltd.')
        self.add_extern_author ('Peter Dimov')
        self.add_extern_author ('Pipeline Associates, Inc.')
        self.add_extern_author ('Regents of the University of California.')
        self.add_extern_author ('Silicon Graphics Computer Systems, Inc.')
        self.add_extern_author ('Silicon Graphics')
        self.add_extern_author ('Stephen L. Moshier')
        self.add_extern_author ('Sun Microsystems, Inc. All rights reserved."
        self.add_extern_author ('The Go Authors. All rights reserved.')
        self.add_extern_author ('The Regents of the University of California.')
        self.add_extern_author ('Unicode, Inc.')
        self.add_extern_author ('University of Toronto.'
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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[This is the first released version of the Lesser GPL. It also counts
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the version number 2.1.]

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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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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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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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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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2. No Weakening of GCC Copyleft.

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presumption that third-party software is unaffected by the copyleft
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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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<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 \(2^{\text{LOG}}\) bytes. */

```c
#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
```

```bash
#!/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',
'tmain.sh',
'ltobis.m4',
'ltversion.m4',
'lt--obsolet.xml',
'missing',
'mkdepc',
'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 None
(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(self.year_re

# 1: 'Copyright (C)', etc.
'(\[Cc\]opyright'  
'\[Cc\]opyrights+\[Cc\]'  
'\[Cc\]opyright\%s'  
'\[Cc\]opyright&copy;'  
'\[Cc\]opyrights+\copyright{}'  
'\[Cc\]opyright = u'  
'\[Cc\]opyright\[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)]
  + ('' 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.
        # Strip trailing whitespace
        line = line.rstrip() + '\n'
        return (line != orig_line, line, next_line)
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)

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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])
    'Options:
    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',
        ])

        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',
        ],
class TestsuiteFilter (GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_extensions |= set(['.c', '.C', '.cc', '.h', '.hs', '.f', '.f90', '.go', '.inc', '.java', '.pot'])

    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(['.po'])

    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 LibGCCFilter (GenericFilter):

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

        self.skip_extensions |= set(['.po'])

        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 ('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')
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 ('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')
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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.

@iftex
@appendixsubsec TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
@end iftex
@ifinfo
@center GNU LESSER GENERAL PUBLIC LICENSE
@center TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
@end ifinfo

@enumerate 0
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@item
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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.

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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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.)

Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
@item
Accompany the work with a written offer, valid for at
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@item
If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

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

For an executable, the required form of the `work that uses the
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library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise
permitted, and provided that you do these two things:

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

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

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@end page
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@end if\text
@page
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Version 3.1, 31 March 2009

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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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 = -56365702221596674L;

 /**
 * This is the name assigned to this permission object.
 *
 * @serial the name of the permission
 */
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 abstract boolean implies(Permission perm);

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:
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 3.1, 31 March 2009

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*m4/ax_func_which_gethostbyname_r.m4

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/**
 * This interface provides information about a permission that can be granted. Note that this is \textit{not} the same as the class \texttt{java.security.Permission}.
 * @version 0.0
 * @author Aaron M. Renn (arenn@urbanophile.com)
 */
public interface Permission {  
/**
 * This method tests whether or not a specified \texttt{Permission} 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();

// 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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<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>

\" 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\S1\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 \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\H'-1\P\S-2+\H'-1P'+\S0\V'.1\V\H'-1P'
.ie n \{
. ds -- \W-
. ds PI pi
. if \(\n.H=4u)\&(1m=24u) .ds -- \W\H'-12u\(\W\H'-12u\L\" diablo 10 pitch
. if \(\n.H=4u)\&(1m=20u) .ds -- \W\H'-12u\(\W\H'-8u\L\" diablo 12 pitch
. ds L" "
. ds R" "
. ds C' "
. ds C' "

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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

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* m4/ax_func_which_gethostbyname_r.m4

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<http://www.gnu.org/licenses/>. */
/* 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, \".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 !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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#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$;
};

#error // __java_security_Permission__
Jan 21, 2002

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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));
#endif // __java_security_acl_Permission__

// 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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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 (dossler@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@mit.iame.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.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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#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;
}
}
}
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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jar/org/springframework/security/config/annotation/authentication/configurers/GlobalAuthenticationConfigurerAdap-
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* /opt/cola/permits/1114224846_1607455074.75/0/spring-security-config-3-2-4-release-sources-
jar/org/springframework/security/config/annotation/method/configuration/EnableGlobalMethodSecurity.java
* /opt/cola/permits/1114224846_1607455074.75/0/spring-security-config-3-2-4-release-sources-
jar/org/springframework/security/config/annotation/configuration/AutowireBeanFactoryObjectPostProcessor.java
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1.421 openssl 1.0.2g-1ubuntu4.18

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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></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.
 *<p>
 * @serial the name of the permission
 */
private String name;

/**
 * Create an instance with the specified name.
 *<p>
 * @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 \texttt{Permission}.
* 
* @return the name
*/
public final String getName()
{
    return name;
}

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

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

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

    string = string.append('(');
    string = string.append(getClass().getName());

    /**
    * Open Source Used In DNAC System Engineering fury 7489
    */
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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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.  
Λ" Automatically generated by Pod::Man 2.16 (Pod::Simple 3.05)  
Λ"  
Λ" Standard preamble:  
Λ" ==============================================================  
.de Sh Λ" Subsection heading
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`. 

```
\(C+ C\v'-1v^h'-1p'+s0v'1v^h'-1p'
\(L''
\(R''
\(C` 
```

Escape single quotes in literal strings from groff's Unicode transform.

```
\(Aq \(aq
\(Aq 
```

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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.

```
\# 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.
\n\# 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
\n\# Accent mark definitions (@(#)ms.acc 1.5 88/02/08 SMI; from UCB 4.2).
\# Fear. Run. Save yourself. No user-serviceable parts.
\n\# Simple accents for nroff and troff
```
IX Title "GPL 7"
.TH GPL 7 "2016-06-03" "gcc-5.4.0" "GNU"
\" For nroff, turn off hyphenation; it makes way too many mistakes in technical documents.
.if n .ad 1
.nh
.SH "NAME"
gpl - GNU General Public License
.SH "DESCRIPTION"
.IX Header "DESCRIPTION"
.Sh "-s1-IGNUs0 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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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>.
 */
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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#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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#ifndef __java_security_acl_Permission__
#define __java_security_acl_Permission__

#pragma interface

#include <java/lang/Object.h>
extern "Java"
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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Version 3, 29 June 2007

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@enumerate 0
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@end enumerate

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@enumerate a
@item
Accompany the work with the complete corresponding
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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
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
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

@item
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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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@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
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That's all there is to it!

1[.java/security/Permission.java/lang/Object/java/security/Permission.java/io/Serializable/serialVersionUID]
ConstantValue(?WQ–name$L.java/lang/String;<init>(Ljava/lang/String;)V
Code()
\VLine

	LineNumberTable

    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()I
    getName()Ljava/lang/String;
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    BCDgetClass()Ljava/lang/Class;
    FHGjava/lang/Class45
    :J?K3(Ljava/lang/String;):Lgnu/java/lang/CPStringBuilder;
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    :V95stringL.gnu/java/lang/CPStringBuilder;
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Version 3.1, 31 March 2009

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

That's all there is to it!
#!/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',
            'COPYING',
            'COPYING.LIB',
            'COPYING3',
            'COPYING3.LIB',
            'LICENSE',
            'fdl.texi',
            'gpl_v3.texi',
        ])

Open Source Used In DNAC System Engineering fury 7702
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]+[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 = u"'  
    '@sets+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

        # 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 ' ')}
# 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)
            else:
                lines.append(line)
            if next_line is not None:
                line = next_line
            else:
                line = line_filter.filter(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...

    ' % sys.argv[0])
    sys.stdout.write ('Options:

    ')
    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:
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',
        ])
class TestsuiteFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)
        self.skip_extensions |= set (
            # Don't change the tests, which could be owned by anyone.
            # Old news won't be updated.
            '.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.
            # Automatically-generated.
            '.po',
            '.pot',
        )

class LibGCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)
        self.skip_dirs |= set (
            # Imported from GLIBC.
        )
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.')
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',
'libitm',
'libmudflap',
'libobjc',
'libstdc++-v3',
]

GCCCmdLine().main()

/* 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 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", (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_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))

#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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David Megginson, david@megginson.com
2000-05-05

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* m4/ax_func_which_gethostbyname_r.m4

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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 (brazil@diamond.bbn.com) originally supplied the ULTRIX code. Al Dossier (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 Dossier provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(aggc@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.)

// 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__

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</screen>
<replaceable>program</replaceable> Copyright (C) <replaceable>year</replaceable> <replaceable>name of author</replaceable>

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</para>
</appendix>

// 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;
    
   }
 } // namespace javax
}

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__

#!/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',
    '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',
    'ltconfigure.m4',
    'ltconfigure.sh',
    'ltoptions.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):
        return
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\n    \[Cc\]opyright\[s+\[Cc\]'\n    \[Cc\]opyright\[s+%s'\n    \[Cc\]opyright\[s+&\copy,'\n    \[Cc\]opyright\[s+\@copyright{}\'\n    \[Cc\]opyright = ut'\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    \s+\@value\{[^{}]*\})\s*)'\n    # 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).
    '\(' + name + '\s?\+ name + ')\)'\n    # 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 = []
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(['math-68881.h',
                                # 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.
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('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('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.')
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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 ('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',
    'libc++',
    'libdecnumber',
    'libgcc',
    'libgfortran',
    'libgomp',
    'libitm',
    'libmudflap',
    'libobjc',
    'libstdc++v3',
]

GCCCmdLine().main()

/* 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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along with GCC; see the file COPYING3.  If not see
<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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Version 3, 29 June 2007

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Version 3.1, 31 March 2009

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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.
/**
 * 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

Jan 21, 2002

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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 \$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<>.

\tr \*(-W-
.ds C+ C\\'-.1v\\'h-.1p\\'-2+\\'h-.1p\\'+\\s0\\'v\\'.1v\\'h-.1p
.ie n \{
  . ds -- \*(-W-
  . ds PI pi
  . if (n(H=4u)&(1m=24u) .ds -- \*(-W\\'h-.12u\\'(\*W\\'h-.12u\\'\-\-"
  . if (n(H=4u)&(1m=20u) .ds -- \*(-W\\'h-.12u\\'(\*W\\'h-.8u\\'-\-"
  . ds L” "
  . ds R” "
  . ds C” "
  . ds C’ "
  'br\}
.el\{
  . ds -- \$|em\}
  . ds PI \*p
  . ds L" "

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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

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
titles 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 88/08/08 SMI; from UCB 4.2).
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.

for low resolution devices (crt and lpr)
.if \n(H>23 .if \n(V>19 

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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;

toString() = 0;
static ::java::lang::Class class$;
}
#endif // __java_security_acl_Permission__

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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 &copy; " + tags[i].text() + "</i></dt>");
                }
            }
            result.append("</dl>");
            return result.toString();
        } else {
            return null;
        }
    }
}

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   */

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.
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
Open Source Used In DNAC System Engineering fury 7868

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 (martintauclmann@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(sdetlefs@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.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.

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.)
/* gnu.classpath.tools.taglets.CopyrightTaglet  
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exception statement from your version. */

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() + "</i></dt>");
            }
        }
        result.append("</dl>");
        return result.toString();
    }
    else {
        return null;
    }
}

1\[java/security/Permissionjava/lang/Objectjava/security/Guardjava/io/SerializableserialVersionUIDJ
ConstantValue?(WQ~nameLjava/lang/String;<init>(Ljava/lang/String;)VCode
()\ VyLineNumberTableLocalVariableTablethisLjava/security/Permission;
checkGuard(Ljava/lang/Object;)V
! java/lang/System#checkSecurityManager(Ljava/lang/SecurityManager;V
%&java/lang/SecurityManager()checkPermission(Ljava/security/Permission;VobjLjava/lang/Object;smLjava/lang/SecurityManager;implies(Ljava/security/Permission;)Zequals(Ljava/lang/Object;)ZhashCode()Ljava/lang/String;
getActionsnewPermissionCollection&()Ljava/security/PermissionCollection;toString;gnu/java/lang/CPStringBuilder
:get?:?@append"(C)Lgnu/java/lang/CPStringBuilder;
BCDgetClass()Ljava/lang/Class;
FHGjava/lang/Class45
:J?K3(Ljava/lang/String;)Lgnu/java/lang/CPStringBuilder;
H
N65P
RTSjava/lang/String01
:V95stringLgnu/java/lang/CPStringBuilder;
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We call this license the `Lesser General Public License because it does `emph`Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less
of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

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

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

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

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

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

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

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

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

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

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

@enumerate a
@item
The modified work must itself be a software library.
@item
You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

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

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

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

@end enumerate

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

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

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

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

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

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

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

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

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

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

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.
If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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

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:

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.)

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

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

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

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

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

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

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

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

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

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@item
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@end enumerate

@end iftex
@end ifinfo
@end page
@appendixsubsec How to Apply These Terms to Your New Libraries

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

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

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@example{one line to give the library's name and an idea of what it does.}
Copyright (C) @var{year} @var{name of author}

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

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@end smallexample

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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:

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

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@settitle GNU General Public License
@c man begin SEEALSO
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@end ignore
@node Copying
@c man begin DESCRIPTION
@unnumbered GNU General Public License
@center Version 3, 29 June 2007

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@heading Preamble

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When we speak of free software, we are referring to freedom, 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 them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same
freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

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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.

@heading TERMS AND CONDITIONS

@enumerate
@item Definitions.

``This License'' refers to version 3 of the GNU General Public License.

``Copyright'' also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

``The Program'' refers to any copyrightable work licensed under this License. Each licensee is addressed as ``you''. ``Licensees'' and
``recipients'' may be individuals or organizations.

To ``modify'' a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a ``modified version'' of the earlier work or a work ``based on'' the earlier work.

A ``covered work'' means either the unmodified Program or a work based on the Program.

To ``propagate'' a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To ``convey'' a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays ``Appropriate Legal Notices'' to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

@item Source Code.

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

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

The ``System Libraries'' of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A
“Major Component”, in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The “Corresponding Source” for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work’s System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

@item Basic Permissions.

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Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.
@item Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.

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You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

@item Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

@enumerate 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
You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

@item
If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.
@end enumerate

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.

@item Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

@enumerate 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

@item Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used
for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

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

@item
Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

@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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/**
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 * <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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#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__

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1.432 libmagic 1:5.25-2ubuntu1.4

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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 (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>Owner</th>
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Written by: Philip Hazel
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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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1.441 ncurses-base 6.0+20160213-1ubuntu1

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Upstream source http://invisible-island.net/ncurses/ncurses.html
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.Floor: progs/tset.c ncurses/tinfo/read_termcap.c
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1.442 libssaslmodules 2.1.26.dfsg1-14ubuntu0.2

1.442.1 Available under license:
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Source: ftp://ftp.andrew.cmu.edu/pub/cyrus-mail/

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* Tim Martin
* Rob Earhart
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1.445 fakeroot 1.20.2 1ubuntu1

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1.447 txw2 2.3.1

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1.448 libpython3-7-stdlib 3.7.9-1+xenial1

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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)
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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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The `socket' module uses the functions, `getaddrinfo', and
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* 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.
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org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.451 hprof2flamegraph 0.0.6

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1.452 json4s-core 3.2.5
1.452.1 Available under license:
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Found in path(s):
* /opt/cola/permits/1112016236_1607033403.5/0/json4s-core-2-10-3-2-5-sources-1-jar/org/json4s/Formats.scala
* /opt/cola/permits/1112016236_1607033403.5/0/json4s-core-2-10-3-2-5-sources-1-jar/org/json4s/package.scala
* /opt/cola/permits/1112016236_1607033403.5/0/json4s-core-2-10-3-2-5-sources-1-jar/org/json4s/Xml.scala
* /opt/cola/permits/1112016236_1607033403.5/0/json4s-core-2-10-3-2-5-sources-1-jar/org/json4s/Extraction.scala
1.453 json-path 2.4.0

1.454 libhxheimdal 1.7~git20150920+dfsg

4ubuntu1.16.04.1

1.454.1 Available under license:

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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KERBEROS and DCE INTEROPERABILITY ROUTINES

WHAT'S NEW

When k5decon 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 KRBS5CCNAME 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
KR5CCNAME 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 KR5CCNAME 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_nnnnnnnn.

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 KR5CCNAME 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 KRBB5CCNAME 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 KRBB5CCNAME and PAG. Mods to Kerberized klogind, rshd, telnetd, ftptd 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 KRBB5CCNAME 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 KR5CCNAME 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 KR5CCNAME. 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
    calling k5dcepag newpag=63dc9997
    PAG returned = 63dc9997
```

You will be running under a new shell with the PAG and KR5CCNAME 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 41ff9f9f
    calling k5dcepag newpag=41ff9f9f
    PAG returned = 41ff9f9f
# ./testpag -n 41ff9f9f
    calling k5dcepag newpag=41ff9f9f
    PAG returned = 41ff9f9f
```

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 k5dfspag.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**

```c
***************
*** 293,298 ****
--- 293,302 ----
  int code;
  
  osi_MakePreemptionRight();
  + /* 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 +
  ***************
*** 309,314 ****
--- 313,319 ----
  }
  osi_mutex_exit(&osi_pagLock);
  
  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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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 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
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.

1.455 libtasn 4.7 3ubuntu0.16.04.3
1.455.1 Available under license :

This package was debianized by Ivo Timmermans <ivo@debian.org> on Sat, 15 Jun 2002 23:37:29 +0200.
Matthias Urlichs <smurf@debian.org>.

It is now maintained by Andreas Metzler <ametzler@debian.org>, Eric Dorland <eric@debian.org> and James Westby <jw+debian@jameswestby.net>

It was downloaded from ftp://ftp.gnutls.org/pub/crypto/gnutls/libtasn1/

Upstream Authors: Fabio Fiorina <fiorinaf@gnutls.org>
Simon Josefsson <jas@extundo.com>

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```cpp
#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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// 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__

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Version 3.1, 31 March 2009

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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$;
};

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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 {
return null;
}
}
}

Open Source Used In DNAC System Engineering fury 8224


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@c ispell-local-pdict: "ispell-dict"
@c End:
@c man end

// 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));

#ifndef __java_security_acl_Permission__

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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 (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@mtniame.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 Detlfs (detlfs@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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// 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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Version 2, June 1991

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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 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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// 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__

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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,
# 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',
    'ltar.tar',
    'ltar.tar',
    'ltversion.m4',
    'lt--obsolete.m4',
    'missing',
    'mkdep',
    'mkinstall',
    'move-if-change',
    'shlibpath.m4',
    'symmlinks',
    '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.
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\]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+)?\[[Cc]opyright\s+([^\s]+)\]?
    ([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*\(?;\s+ ranges + \,;\)\)
    '@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 + ')\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: ' + 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
    ' % (sys.argv[0],
           '
            
    ')
    format = ' %-15s %s
    for (what, help) in self.option_help:
        sys.stdout.write (format % (what, help))
    sys.stdout.write ('Directories:
    %s
    ' % 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 + '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(['math-68881.h',])
            self.skip_dirs |= set(['ada',])
            self.m4_dirs |= set(['ada',])
            self.handled_files |= set(['math-68881.h',])

            selfErrors = errors(  
            return GCCFilter.skip_file(self, dir, filename)
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',
            ])

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')
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('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',
    'libdecmunumber',
    'libgcc',
    'libgfortran',
    'libgomp',
    'libitm',
    'libmudflap',
    'libobjc',
    'libstdc++-v3',
]

GCCCmdLine().main()

#!/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',
    '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',
    'ltversion.m4',
    'lt~obsolete.m4',
    'missing',
    'mkdep',
    'mikinstalldirs',
    '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 ('\n')
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]opyrights+[^Cc])'  
    '|[^Cc]opyrights+%s'  
    '|[^Cc]opyrights+&copy;'  
    '|[^Cc]opyrights+@copyright\s*]'  
    '[copyright = u"'  
    '|@set\s+copyright\s+\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

    # 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,
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)
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
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',

            # 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_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')
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')
# zlibc is imported from upstream.

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

GCCCmdLine().main()
/* 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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along with GCC; see the file COPYING3. If not see
<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)))

#if defined HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT) 
*/
/* 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

*/
GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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/* 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 */

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/* 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 */
/* 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)))

#ifndef 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'. */

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/* The prefix to add to user-visible assembler symbols. */

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"

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#define DBX_NO_XREFS 1

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

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Version 3, 29 June 2007

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

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```java
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
{
/**
* 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());
    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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Standard preamble:
=======================================================================
Subsection heading
.br
.if t .Sp
.ne 5
.PP

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<>.
.tr \(*W-
.ds C+ C\v-.1v\h'-1p\s-2+\h'-1p\s0\v'.1v\h'-1p'
.ie n \\.
 . ds -- \(*W-
 . ds PI pi
 . if (n.(H=4u)&(1m=24u) .ds -- \(*W\h'-12u\(*W\h'-12u\" diablo 10 pitch
 . if (n.(H=4u)&(1m=20u) .ds -- \(*W\h'-12u\(*W\h'-8u\" diablo 12 pitch
 . ds L" "
 . ds R" "
 . ds C' "
 . ds C' "
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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```
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```

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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>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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" therefore won't be available. \*{C} and \*{C} expand to `" in nroff,
" nothing in troff, for use with C<>.
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\t" If the F register is turned on, we'll generate index entries on stderr for
\t" titles (.TH), headers (.SH), subsections (.Sh), items (.Ip), and index
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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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package gnu.classpath.tools.taglets;

import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.javadoc.Tag;

/**<p>A simple Taglet which handles Copyright information.<p>*/

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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</para>
</listitem>
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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 \texttt{Lesser} General Public License because it does \texttt{Less} to protect the user's freedom than the ordinary General Public License. It also provides other free software developers \texttt{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 \texttt{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.

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

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

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

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

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

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:

The modified work must itself be a software library.

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

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

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.

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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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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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```

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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:

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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!

<?dbhtml filename="appendix_gpl.html"?>

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Version 3, 29 June 2007
</para>
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<bridgehead xml:id="gpl-3-preamble" renderas="sect1">
Preamble
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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 <acronym>GPL</acronym> 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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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 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.

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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:

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- The work must carry prominent notices stating that it is released under
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</listitem>
</listitem>
<para>
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</para>
</listitem>
</listitem>
</orderedlist>
</para>
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</para>
</bridgehead>
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">
<li>
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.

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.

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 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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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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Version 3, 29 June 2007

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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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Version 3.1, 31 March 2009

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JavaVirtualMachinebytecode,intoTargetCode.Thus,forexample,<br />
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partoftheCompilationProcess,sincetheCompilationProcesscanbe<br />
understoodasstartingwiththeoutputofthegeneratorsor<br />
preprocessors.<br />
<br />
ACompilationProcessis"Eligible"ifitisdoneusingGCC,aloneor<br />
withotherGPL-compatiblesoftware,orifitisdonewithoutusingany<br />
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* m4/ax_func_which_gethostbyname_r.m4

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1.463 cryptography 2.8
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1.465 log4j-api 2.13.3

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1.467 mount 2.27.1 6ubuntu3.9

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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

--------------------
Open Source Used In DNAC System Engineering fury 8683
Create 2st primary partition
1bebf87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8dfe51a88a045db233418dd73fbe bsd.img

---layout--------

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
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

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
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):

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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---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>

Open Source Used In DNAC System Engineering fury 8730
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):

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

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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    libuuid/src/*
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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
ada6ace122978d00d1d1c0e5ee45d26 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
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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This package was put together by Guy Maor <maor@debian.org> and later maintained by Sean 'Shaleh' Perry <shaleh@debian.org>, and Adrian Bunk <bunk@stusta.de>.

The current maintainer is LaMont Jones <lamont@debian.org>. See also: git://git.debian.org/~lamont/util-linux.git

It was downloaded from:

Upstream maintainers include:
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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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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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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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Version 2, June 1991
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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
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
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):

b5c121c2091b2ff2ff26b880551feae7112 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
a      4096  6144    2049    1M 4.2BSD       0     0   0
b      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):

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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1.471 libmnl0 1.0.3-5

1.471.1 Available under license:

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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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1.472 python-minimal 2.7.12 1~16.04

1.472.1 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

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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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1.478 shiro-crypto-cipher 1.6.0

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* /opt/cola/permits/1111264878_1607991875.24/0/spring-context-support-3-2-8-release-sources-1-jar/org/springframework/scheduling/quartz/SchedulerFactoryBean.java
* /opt/cola/permits/1111264878_1607991875.24/0/spring-context-support-3-2-8-release-sources-1-jar/org/springframework/scheduling/quartz/SchedulerAccessorBean.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/EhCacheManagerFactoryBean.java
* /opt/cola/permits/1111264878_1607991875.24/0/spring-context-support-3-2-8-release-sources-1-jar/org/springframework/scheduling/quartz/MethodInvokingJobDetailFactoryBean.java
* /opt/cola/permits/1111264878_1607991875.24/0/spring-context-support-3-2-8-release-sources-1-jar/org/springframework/scheduling/quartz/SimpleTriggerBean.java
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jar/org/springframework/ui/velocity/VelocityEngineFactoryBean.java
* /opt/cola/permits/1111264878_1607991875.24/o/spring-context-support-3-2-8-release-sources-1-
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jar/org/springframework/ui/jasperreports/JasperReportsUtils.java
* /opt/cola/permits/1111264878_1607991875.24/o/spring-context-support-3-2-8-release-sources-1-
jar/org/springframework/mail/javamail/JavaMailSender.java
* /opt/cola/permits/1111264878_1607991875.24/o/spring-context-support-3-2-8-release-sources-1-
jar/org/springframework/mail/MailPreparationException.java
* /opt/cola/permits/1111264878_1607991875.24/o/spring-context-support-3-2-8-release-sources-1-
jar/org/springframework/mail/SimpleMailMessage.java
* /opt/cola/permits/1111264878_1607991875.24/o/spring-context-support-3-2-8-release-sources-1-
jar/org/springframework/mail/MailAuthenticationException.java
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jar/org/springframework/mail/MailSender.java

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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
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lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
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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
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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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1.482 swagger-annotations 1.3.12

1.483 slf4j-api 1.7.26
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1.484 javax-transaction 1.1.0

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* /opt/ws_local/PERMITS_SQL/1084247322_1598436419.43/0/mongodb-driver-3-12-4-sources-
jar/com/mongodb/BulkWriteOperation.java
* /opt/ws_local/PERMITS_SQL/1084247322_1598436419.43/0/mongodb-driver-3-12-4-sources-
jar/com/mongodb/DBEncoder.java
* /opt/ws_local/PERMITS_SQL/1084247322_1598436419.43/0/mongodb-driver-3-12-4-sources-
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* /opt/ws_local/PERMITS_SQL/1084247322_1598436419.43/0/mongodb-driver-3-12-4-sources-
jar/com/mongodb/DBDecoder.java
* /opt/ws_local/PERMITS_SQL/1084247322_1598436419.43/0/mongodb-driver-3-12-4-sources-
jar/com/mongodb/client/internal/MongoCollectionImpl.java

1.487 xz 5.1.1alpha+20120614-2ubuntu2
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/** This singleton object contains the `apply` and `unapplySeq` methods for
* convenient construction and deconstruction. It is possible to deconstruct
* any `Node` instance (that is not a `SpecialNode` or a `Group`) using the
* syntax `case Elem(prefix, label, attribs, scope, child @ _*) => ...` 
*  
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*/ 

/** 
* This class represents an attribute and at the same time a linked list of
* attributes. Every instance of this class is either 
* - an instance of `UnprefixedAttribute key,value` or 
* - an instance of `PrefixedAttribute namespace_prefix,key,value` or 
* - `Null, the empty attribute list. 
*  
* Namespace URIs are obtained by using the namespace scope of the element
* owning this attribute (see `getNamespace`). 
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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
{{{
   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.

1.492 jackson-annotations 2.7.9

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1.493 python 2.7.12 1~16.04

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

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1.496 flask-restplus 0.10.1

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1.497 python-etcd 0.4.5
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

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

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/

.. image:: https://travis-ci.org/jplana/python-etcd.png?branch=master
   :target: https://travis-ci.org/jplana/python-etcd

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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 and
    client.write('/nodes/n2', 2, prevExist = False) # will set /nodes/n2 's value to 2 only if the key did not exist before
    client.write('/nodes/n2', 2, prevIndex = 30) # will set /nodes/n2 's value to 2 only if the key was last modified at index 30
    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 changed, or exit with an exception after 30 seconds.
    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:
    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,

```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 consistent 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 EtcdResult and get_subtree for recursive fetch
* Added etcd_index to EtcdResult
* Changed ethernal -> 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 date: 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
1.498 sqlalchehy 1.3.1

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1.501 pika 0.10.0
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1.503 libpython3-stdlib 3.5.1-3

1.503.1 Available under license:
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
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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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1.504 patch 2.7.5 1ubuntu0.16.04.2

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1.506 libuuid 2.27.1 6ubuntu3.9
1.506.1 Available under license:

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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
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

<table>
<thead>
<tr>
<th>Slice</th>
<th>Start</th>
<th>End</th>
<th>Sectors</th>
<th>Size</th>
<th>Type</th>
<th>Fsize</th>
<th>Bsize</th>
<th>Cpg</th>
</tr>
</thead>
<tbody>
<tr>
<td>a</td>
<td>4096</td>
<td>6144</td>
<td>2049</td>
<td>1M</td>
<td>4.2BSD</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>c</td>
<td>4096</td>
<td>20479</td>
<td>16384</td>
<td>8M</td>
<td>unused</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>d</td>
<td>0</td>
<td>16064</td>
<td>16065</td>
<td>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
Command (m for help):
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Version 2.1, February 1999

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Ty Coon, President of Vice

That's all there is to it!

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/optional): 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
2d8e8dfe51a88a045db233418dd73fbd bsd.img

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

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

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

Create default BSD
2e1cee529cb59c9341afef0443f196a1 bsd.img

---layout--------

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

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

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

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

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):
-------------------
b5c121c2091b2ff26b880551feac7112 bsd.img
---layout--------
Welcome to fdisk <removed>.
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

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

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

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

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

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

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

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

Command (m for help):

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This is the Debian GNU/Linux prepackaged version of util-linux.

This package was put together by Guy Maor <maor@debian.org> and later maintained by Sean 'Shaleh' Perry <shaleh@debian.org>, and Adrian Bunk <bunk@stusta.de>.
The current maintainer is LaMont Jones <lamont@debian.org>.
See also: git://git.debian.org/~lamont/util-linux.git

It was downloaded from:

Upstream maintainers include:
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Past Maintainer: Adrian Bunk <bunk@fs.tum.de>
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2df055067c18f2cf9 bsd.img

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

Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout---------
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
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
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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: bsd

<table>
<thead>
<tr>
<th>Slice</th>
<th>Start</th>
<th>End</th>
<th>Sectors</th>
<th>Size</th>
<th>Type</th>
<th>Fsize</th>
<th>Bsize</th>
<th>Cpg</th>
</tr>
</thead>
<tbody>
<tr>
<td>a</td>
<td>4096</td>
<td>6144</td>
<td>2049</td>
<td>1M</td>
<td>4.2BSD</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>c</td>
<td>4096</td>
<td>20479</td>
<td>16384</td>
<td>8M</td>
<td>unused</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>d</td>
<td>0</td>
<td>16064</td>
<td>16065</td>
<td>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
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):
Format: http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: util-linux
Upstream-Contact: util-linux@vger.kernel.org
Source: https://www.kernel.org/pub/linux/utils/util-linux/

Files: *
text-utils/hexdump-display.c
Text-utils/hexdump-parse.c
text-utils/rev.c
text-utils/ul.c
   The Regents of the University of California
   2014 Sami Kerola <kerolasa@iki.fi>
   2014 Karel Zak <kzak@redhat.com>
License: BSD-4-clause

Files: text-utils/tailf.c
Copyright: 1996, 2003 Rickard E. Faith (faith@acm.org)
License: MIT

Files: sys-utils/flock.c
Copyright: 2003-2005 H. Peter Anvin
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Files: text-utils/pg.c
Copyright: 2000-2001 Gunnar Ritter
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Files: login-utils/last-deprecated.c
Copyright: 1987 Regents of the University of California
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Files: login-utils/login.c
   2011 Karel Zak <kzak@redhat.com>
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Files: login-utils/logindefs.c
Copyright: 2003, 2004, 2005 Thorsten Kukuk
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Files: libuuid/*
   libuuid/src/*
   libuuid/man/*
   1999 Andreas Dilger (adilger@enel.ucalgary.ca)
License: BSD-3-clause

Files: lib/procutils.c
   include/xmalloc.h
Copyright: 2010, 2011 Davidlohr Bueso <dave@gnu.org>
License: LGPL-2+

Files: */colors.*
Theodore Ts'o.
2001 Andreas Dilger (adilger@turbolinux.com)
2004-2008 Kay Sievers <kay.sievers@vrly.org>
2008-2013 Karel Zak <kzak@redhat.com>
2009 Bastian Friedrich <bastian.friedrich@collax.com>
2009 Corentin Chary <corentincj@iksaif.net>
2009 Mike Hommey <mh@glandium.org>
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Files: include/cpuset.h
    lib/randutils.c
Copyright: *unknown*
License: LGPL

Files: misc-utils/blkid.c
Copyright: 2001 Andreas Dilger
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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
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
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 Bsise 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</th>
<th>Start</th>
<th>End</th>
<th>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>6144</td>
<td>2049</td>
<td>1M 4.2BSD</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>c</td>
<td>4096</td>
<td>20479</td>
<td>16384</td>
<td>8M unused</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>d</td>
<td>0</td>
<td>16064</td>
<td>16065</td>
<td>7.9M 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
Command (m for help):

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

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

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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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Version 2.1, February 1999

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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.

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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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* /opt/cola/permits/1110662277_1606842068.25/0/slf4j-api-1-7-25-sources-2-jar/org/slf4j/Logger.java
* /opt/cola/permits/1110662277_1606842068.25/0/slf4j-api-1-7-25-sources-2-jar/org/slf4j/helpers/BasicMarker.java
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* /opt/cola/permits/1110662277_1606842068.25/0/slf4j-api-1-7-25-sources-2-jar/org/slf4j/helpers/BasicMDCAPI.java
* /opt/cola/permits/1110662277_1606842068.25/0/slf4j-api-1-7-25-sources-2-jar/org/slf4j/spi/LocationAwareLogger.java
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* /opt/cola/permits/1110662277_1606842068.25/0/slf4j-api-1-7-25-sources-2-jar/org/slf4j/spi/MarkerFactoryBinder.java
* /opt/cola/permits/1110662277_1606842068.25/0/slf4j-api-1-7-25-sources-2-jar/org/slf4j/IMarkerFactory.java
* /opt/cola/permits/1110662277_1606842068.25/0/slf4j-api-1-7-25-sources-2-jar/org/slf4j/Marker.java
* /opt/cola/permits/1110662277_1606842068.25/0/slf4j-api-1-7-25-sources-2-jar/org/slf4j/MDC.java
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* /opt/cola/permits/1110662277_1606842068.25/0/slf4j-api-1-7-25-sources-2-jar/org/slf4j/BasicMarkerFactory.java
* /opt/cola/permits/1110662277_1606842068.25/0/slf4j-api-1-7-25-sources-2-jar/org/slf4j/BasicMarkerFactory.java
* /opt/cola/permits/1110662277_1606842068.25/0/slf4j-api-1-7-25-sources-2-jar/org/slf4j/BasicMarkerFactory.java

1.510 aspectj-weaver 1.9.2

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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 '>

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* /opt/cola/permits/1128640789_1612270945.55/0/cpython-ref-s-heads-3-7-lib-lib2to3-tar-gz/pytree.py
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* /opt/cola/permits/1128640789_1612270945.55/0/cpython-ref-s-heads-3-7-lib-lib2to3-tar-gz/patcomp.py
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1.513 spring-amqp 1.2.0.RELEASE

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* /opt/ws_local/PERMITS_SQL/1069090154_1594483413.14/0/spring-amqp-1-2-0-release-sources-jar/org/springframework/amqp/support/converter/Jackson2JavaTypeMapper.java
* /opt/ws_local/PERMITS_SQL/1069090154_1594483413.14/0/spring-amqp-1-2-0-release-sources-jar/org/springframework/amqp/support/converter/DefaultJackson2JavaTypeMapper.java
* /opt/ws_local/PERMITS_SQL/1069090154_1594483413.14/0/spring-amqp-1-2-0-release-sources-jar/org/springframework/amqp/support/converter/AbstractJavaTypeMapper.java

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/**
 * Special exception for listener implementations that want to signal that the current batch of messages should be
 * acknowledged immediately (i.e. as soon as possible) without rollback, and without consuming any more messages.
 *
 * @author Dave Syer
 *
 */

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  jar/javax/validation/executable/ExecutableValidator.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
  jar/javax/validation/executable/ValidateOnExecution.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
  jar/javax/validation/metadata/ReturnValueDescriptor.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
  jar/javax/validation/ElementKind.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
  jar/javax/validation/executable/ExecutableType.java
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Found in path(s):
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
jar/javay/validation/Configuration.java
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* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
jar/javax/validation/metadata/ParameterDescriptor.java
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* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
jar/javax/validation/constraintvalidation/ValidationTarget.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
jar/javax/validation/bootstrap/package-info.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
jar/javax/validation/constraintvalidation/SupportedValidationTarget.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
jar/javax/validation/constraintvalidation/package-info.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
jar/javax/validation/executable/package-info.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
jar/javax/validation/spi/package-info.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
jar/javax/validation/metadata/CrossParameterDescriptor.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
jar/javax/validation/metadata/GroupConversionDescriptor.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
jar/javax/validation/metadata/package-info.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
jar/javax/validation/validation/validationTarget.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
jar/javax/validation/validation/constraintvalidation/ValidationTarget.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
jar/javax/validation/validation/constraintvalidation/SupportedValidationTarget.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
jar/javax/validation/validation/constraintvalidation/package-info.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
jar/javax/validation/validation/executable/package-info.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
jar/javax/validation/validation/spi/package-info.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
jar/javax/validation/validation/metadata/CrossParameterDescriptor.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
jar/javax/validation/validation/metadata/GroupConversionDescriptor.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
jar/javax/validation/validation/metadata/package-info.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
jar/javax/validation/validation/ConstraintTarget.java
*/
jar/javax/validation/constraints/package-info.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
jar/javax/validation/metadata/CascadableDescriptor.java
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* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
jar/javax/validation/ParameterNameProvider.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
jar/javax/validation/metadata/ConstructorDescriptor.java

1.516 hostname 3.16ubuntu2
1.516.1 Available under license:

hostname -- set the host name or show the host/domain name

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1.517 jackson-module-scala 2.1.5
1.517.1 Available under license :
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import AssemblyKeys._
import PgpKeys._
import ReleaseKeys._
import sbtrelease._
import ReleaseStateTransformations._

// Basic facts
name := "jackson-module-scala"

organization := "com.fasterxml.jackson.module"

crossScalaVersions := Seq("2.9.1", "2.9.2", "2.10.0")
libraryDependencies <++. (version) { (v) => Seq(  // These are "provided" so that sbt-assembly doesn't include them (we'll fix the pom later)  "com.fasterxml.jackson.core" % "jackson-core" % v % "provided",  "com.fasterxml.jackson.core" % "jackson-annotations" % v % "provided",  "com.fasterxml.jackson.core" % "jackson-databind" % v % "provided"
 )
)

libraryDependencies ::= Seq(  // saying this is intransitive prevents the deps from being included in the jar  "com.fasterxml.jackson.module" %% "scalabeans" % "0.4-SNAPSHOT" intransitive(),  // but now we need to add scalabeans deps explicitly (also as "provided")  "com.thoughtworks.paranamer" % "paranamer" % "2.3" % "provided",  "com.google.guava" % "guava" % "13.0.1" % "provided",  // test dependencies  "org.scalatest" %% "scalatest" % "2.0.M5" % "test" cross CrossVersion.binaryMapped {    case "2.10" => "2.10.0"    case x => x  },  "junit" % "junit" % "4.11" % "test",  "com.fasterxml.jackson.datatype" % "jackson-datatype-joda" % "2.1.2" % "test"
 )

// Another scalabeans dependency, for 2.10 only
libraryDependencies <++. (scalaBinaryVersion, scalaVersion) { (sv,sv) => sv match {  // again, "provided" so that it is not included in the jar  case "2.10" => Seq("org.scala-lang" % "scala-reflect" % sv % "provided")  case _ => Seq()  }  }

// Change the classifier of the main jar
artifact in (Compile, packageBin) ::= { (art: Artifact) =>    art.copy(`classifier` = Some("base"))  }

// Disable publishing the main jar
publishArtifact in (Compile, packageBin) := false

// setup sbt-assembly settings
assemblySettings

// don't assembly the scala dependency
assembleArtifact in packageScala := false

// don't add "assembly" to the jar name
jarName in assembly <= (name, version, scalaBinaryVersion) { (name, version, sbv) =>    name + "." + sbv + "." + version + ".jar"  }
// place the assembly in the versioned path
outputPath in assembly <<= (target in assembly, jarName in assembly, scalaBinaryVersion) { (t,s,v) =>
  t / ("scala:" + v) / s
}

// don't have a classifier on the assembly
artifact in (Compile, assembly) ~= { (art: Artifact) =>
  art.copy(`classifier` = None)
}

// add the assembly as an artifact
addArtifact(artifact in (Compile, assembly), assembly)

// add the assembly signature as an artifact
packagedArtifacts <<= (packagedArtifacts, pgpSigner, skip in pgpSigner, streams) map { (artifacts,r,skipZ,s) =>
  if (!skipZ) {
    artifacts flatMap {
      // This works because the assembly has already been declared with no classifier
      case (art @ Artifact(_,"jar","jar",None,_,_), file) =>
        Seq(art -> file,
            art.copy(extension = art.extension + ".asc") -> r.sign(file, new File(file.getAbsolutePath + ".asc"), s))
      case (art, file) => Seq(art -> file)
    }
  } else artifacts
}

// pom re-writing:
// * remove the scalabeans dependency, as it's included
// * remove the 'provided' annotation on others, as they're not
pomPostProcess := {
  import xml.transform._
  new RuleTransformer(new RewriteRule {
    override def transform(node: xml.Node) = node match {
      case n if ((n \ "artifactId").text.startsWith("scalabeans")) => xml.NodeSeq.Empty
      case n @ <scope>{_*}</scope> if n.text == "provided" => xml.NodeSeq.Empty
      case _ => node
    }
  })
}

// publishing
publishMavenStyle := true

publishTo <<= version { v =>
  val nexus = "https://oss.sonatype.org/
  if (v.trim.endsWith("SNAPSHOT"))
    Some("snapshots" at nexus + "content/repositories/snapshots")
  else
Some("releases" at nexus + "service/local/staging/deploy/maven2")

publishArtifact in Test := false

pomIncludeRepository := { _ => false }

pomExtra := {
  <url>http://wiki.fasterxml.com/JacksonModuleScala</url>
  <licenses>
    <license>
      <name>The Apache Software License, Version 2.0</name>
      <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>
      <distribution>repo</distribution>
    </license>
  </licenses>
  <scm>
    <connection>scm:git@github.com:FasterXML/jackson-module-scala.git</connection>
    <developerConnection>scm:git@github.com:FasterXML/jackson-module-scala.git</developerConnection>
    <url>http://github.com/FasterXML/jackson-module-scala</url>
  </scm>
  <developers>
    <developer>
      <id>tatu</id>
      <name>Tatu Saloranta</name>
      <email>tatu@fasterxml.com</email>
    </developer>
    <developer>
      <id>christopher</id>
      <name>Christopher Currie</name>
      <email>christopher@currie.com</email>
    </developer>
  </developers>
  <contributors>
    <contributor>
      <name>Nathaniel Bauernfeind</name>
    </contributor>
    <contributor>
      <name>Anton Panasenko</name>
    </contributor>
  </contributors>
}

// credentials
credentials += Credentials(Path.userHome / "ivy2" / ".credentials")

// release
releaseSettings
// bump bugfix on release
nextVersion := { ver => Version(ver).map(_.bumpBugfix.asSnapshot.string).getOrElse(versionFormatError) }

// use maven style tag name
tagName <= (name, version in ThisBuild) map { (n,v) => n + "." + v }

// don't publish on release, it doesn't work with cross version publishing
// TODO: see about defining multiple release processes, to do prepare/perform
// split processes similar to the Maven release plugin
releaseProcess := Seq(
  // TODO remove when scalabeans isn't a custom build
  inquireVersions,
  runTest,
  setReleaseVersion,
  commitReleaseVersion,
  tagRelease,
  setNextVersion,
  commitNextVersion
)

Found in path(s):
* /opt/cola/permits/1112016056_1612266516.32/0/jackson-module-scala-2.1.5-zip/jackson-module-scala-jackson-module-scala-2.1.5/build.sbt

1.518 jsonschema 2.5.1

1.518.1 Available under license:

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1.519 libss 1.42.13 1ubuntu1.1

1.519.1 Available under license:

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

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Gadi Oxman, August 1995

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

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

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Theodore Ts'o
23-June-2007
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--- 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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+ Copyright (C) Andrew Tridgell 1999-2005
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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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    Copyright (c) 1997 Klee Dienes
    Copyright (c) 1995-1996 Michael Nonweiler <mrn20@cam.ac.uk>

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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-shlibs-strip: install-shlibs

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

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

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

This package was put together by Yann Dirson <dirson@debian.org>,

from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

From the original distribution:

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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
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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 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 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 put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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It is part of the main e2fsprogs distribution, which can be found at:

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

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

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

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

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

install-strip: install

install-shlibs-strip: install-shlibs

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

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

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This is the Debian GNU/Linux prepackaged version of the static EXT2
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were written by Theodore Ts'o <tytso@mit.edu> and Remy Card
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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/

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) $(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)

---

1.520 jetty-continuation 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

------

Oracle

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

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

------

Oracle OpenJDK

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

* java.sun.security.ssl

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

------

OW2

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

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

------

Apache

The following artifacts are ASL2 licensed.

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

------

MortBay

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

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

------

Mortbay
The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html
/org.eclipse.jetty.toolchain:jetty-schemas

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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.

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1.522 python-setuptools 51.3.3

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1.523 thrift 0.13.0

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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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1.529 easy-rules-core 3.3.0

1.530 jackson-databind 2.7.9.7

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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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* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-3.8.0/PKG-INFO

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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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    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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  3.8.0/jaeger_client/config.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-
  3.8.0/tests/test_metrics.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_context.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-
  3.8.0/crossdock/server/endpoint.py
* /opt/ws_local/PERMITS_SQL/1090636630_1600331441.29/0/jaeger-client-3-8-0-tar-gz/jaeger-client-
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1.532 httpmime 4.3.6

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1.533 json4s-ast 3.2.5

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1.535 kotlin-stdlib-common 1.3.70

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)
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b) Use a suitable shared library mechanism for linking with the
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1.543 jackson-dataformat-xml 2.9.10
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* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-jar/org/apache/commons/collections/iterators/FilterIterator.java
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* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2.jar/org/apache/commons/collections/StaticBucketMap.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2.jar/org/apache/commons/collections/bag/TreeBag.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2.jar/org/apache/commons/collections/bag/HashBag.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2.jar/org/apache/commons/collections/BufferUtils.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2.jar/org/apache/commons/collections/iterators/UnmodifiableIterator.java

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* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2.jar/org/apache/commons/collections/iterators/UnmodifiableIterator.java
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* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-jar/org/apache/commons/collections/functors/package.html
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* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-jar/org/apache/commons/collections/keyvalue/AbstractMapEntryDecorator.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-jar/org/apache/commons/collections/keyvalue/TiedMapEntry.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-jar/org/apache/commons/collections/keyvalue/UnmodifiableMapEntry.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-jar/org/apache/commons/collections/keyvalue/AbstractKeyValuePair.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-jar/org/apache/commons/collections/keyvalue/DefaultKeyValuePair.java
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  jar/org/apache/commons/collections/map/ListOrderedMap.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-
  jar/org/apache/commons/collections/map/AbstractReferenceMap.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-
  jar/org/apache/commons/collections/bag/AbstractMapBag.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-
  jar/org/apache/commons/collections/FactoryUtils.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-
  jar/org/apache/commons/collections/DefaultMapBag.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-
  jar/org/apache/commons/collections/DoubleOrderedMap.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-
  jar/org/apache/commons/collections/SequencedHashMap.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-
  jar/org/apache/commons/collections/BufferUnderflowException.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-
  jar/org/apache/commons/collections/BoundedCollection.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-
  jar/org/apache/commons/collections/TransformerUtils.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-
  jar/org/apache/commons/collections/BufferOverflowException.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-
  jar/org/apache/commons/collections/SetUtils.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-
  jar/org/apache/commons/collections/CursorableLinkedList.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-
  jar/org/apache/commons/collections/Factory.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-
jar/org/apache/commons/collections/BagUtils.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-
jar/org/apache/commons/collections/map/ReferenceMap.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-
jar/org/apache/commons/collections/Buffer.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-
jar/org/apache/commons/collections/ComparatorUtils.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-
jar/org/apache/commons/collections/UnboundedFifoBuffer.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-
jar/org/apache/commons/collections/TreeBag.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-
jar/org/apache/commons/collections/BoundedFifoBuffer.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-
jar/org/apache/commons/collections/HashBag.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-
jar/org/apache/commons/collections/SortedBag.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-
jar/org/apache/commons/collections/IteratorUtils.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-
jar/org/apache/commons/collections/ProxyMap.java
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jar/org/apache/commons/collections/list/GrowthList.java
* /opt/cola/permits/1110923526_1606872995.34/0/commons-collections-3-2-sources-2-
jar/org/apache/commons/collections/buffer/BoundedBuffer.java
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/*
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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

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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: 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

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* /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
1.548 guava 25.0-jre

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/*
 * This following method is a modified version of one found in
 * http://gee.cs.oswego.edu/cgi-bin/viewcvs.cgi/jsr166/src/test/tck/AbstractExecutorServiceTest.java?revision=1.30
 * which contained the following notice:
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/util/concurrent/MoreExecutors.java
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jar/com/google/common/collect/Count.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collect/SortedIterables.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collect/ForwardingSortedMultiset.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collect/RangeSet.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collect/GeneralRange.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collect/ImmutableSortedMultisetFauxverideShim.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collect/RegularImmutableSortedMultiset.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collect/AbstractRangeSet.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collect/SortedIterable.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collect/ImmutableSortedMultiset.java

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* /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/Equivalent.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/UncaughtExceptionHandler.java
* /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/net/package-info.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/package-info.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/Strings.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/Ascii.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/Asci.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
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/util/concurrent/ForwardingLock.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/util/concurrent/ForwardingCondition.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/primitives/ImmutableIntArray.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.
 */

Found in path(s):
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
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  jar/com/google/common/collection/JdkBackedImmutableMultiset.java
* /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/collection/JdkBackedImmutableSet.java

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  jar/com/google/common/collection/JdkBackedImmutableMap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/collection/JdkBackedImmutableBiMap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/AtomicLongMap.java
* /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/base/CommonPattern.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/base/CommonMatcher.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/base/JdkPattern.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):
* [/opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collect/ObjectArrays.java]

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jar/com/google/common/math/PairedStats.java]
* [/opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/math/PairedStatsAccumulator.java]
* [/opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collect/ImmutableRangeMap.java]
* [/opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collect/ObjectArrays.java]
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jar/com/google/common/math/PairedStats.java]
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/io/ByteSource.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/reflect/ClassPath.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/html/package-info.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/io/ByteSink.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/io/CharSink.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/hash/ChecksumHashFunction.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/CartesianList.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/io/CharSource.java
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  jar/com/google/common/graph/package-info.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/cache/Striped64.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/util/concurrent/Callables.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/io/ByteProcessor.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
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jar/com/google/common/util/concurrent/AsyncCallable.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/util/concurrent/InterruptibleTask.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/util/concurrent/CombinedFuture.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/eventbus/Subscriber.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/eventbus/Dispatcher.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/base/MoreObjects.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/graph/NetworkBuilder.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collect/MoreCollectors.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/graph/ConfigurableMutableNetwork.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/graph/ElementOrder.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/graph/ValueGraph.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collect/ImmutableMultisetGwtSerializationDependencies.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/graph/GraphConnections.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/graph/ConfigurableMutableValueGraph.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/UndirectedGraphConnections.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/DirectedMultiNetworkConnections.java

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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/Predicates.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
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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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*/
/**
 * 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>
 */

Found in path(s):
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collect/ImmutableSortedMapFauxverideShim.java

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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/primitives/Doubles.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/primitives/Shorts.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/thirdparty/publicsuffix/TrieParser.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/internal/Finalizer.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/CharMatcher.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/Stopwatch.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/primitives/Bytes.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/escape/Escaper.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/SequentialExecutor.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/SingletonImmutableList.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/RegularImmutableList.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ArrayTable.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/AbstractIndexedListIterator.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ImmutableAsList.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ComputationException.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ComparisonChain.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ForwardingTable.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ImmutableSetMultimap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/ImmutableEnumSet.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/EmptyImmutableSetMultimap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/RegularImmutableSortedSet.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/ImmutableClassToInstanceMap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/DiscreteDomain.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/SingletonImmutableTable.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/ImmutableSortedMap.java

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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/coll...SortedSetMultimap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/coll...Multimap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/coll...HashSet.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/coll...TreeRangeMap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/coll...ForwardingDeque.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/coll...TransformedIterator.java
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* /opt/cola/permits/1110675684_1606843710.64/jar/com/google/common/collection/CompactHashMap.java
* /opt/cola/permits/1110675684_1606843710.64/jar/com/google/common/collection/FilteredEntrySetMultimap.java
* /opt/cola/permits/1110675684_1606843710.64/jar/com/google/common/collection/DescendingMultiset.java
* /opt/cola/permits/1110675684_1606843710.64/jar/com/google/common/collection/RangeMap.java
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 * the License.
 */

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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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  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

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  jar/org/bson/RegularExpression.java
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  jar/org/bson/Codec/BsonNullCodec.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codec/BsonDocumentWrapperCodec.java
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* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codec/pojo/MapPropertyCodecProvider.java
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* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codec/FLOATCodec.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/INTERNAL/UuidHelper.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codec/ObjectIdGenerator.java
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* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codec/pojo/LazyPojoCodec.java
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* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/DecoderContext.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/json/ExtendedJsonMaxKeyConverter.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/json/ExtendedJsonTimestampConverter.java
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* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/pojo/PropertyMetadata.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/io/BsonInputMark.java
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* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/StringCodec.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/json/RelaxedExtendedJsonDoubleConverter.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/BsonBinaryCodec.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/types/Boolean.java
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* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/util/ComputingMap.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/pojo/PropertyReflectionUtils.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/pojo/PropertyModel.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/pojo/PropertyReflectionUtils.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/pojo/PropertyModel.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/BooleanCodec.java
* /opt/ws_local/PERMITS_SQL/1084247314_1598436438.69/0/bson-3-12-4-sources-jar/org/bson/codecs/configuration/CodecRegistry.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/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/json/ShellBinaryConverter.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
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*/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/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/AtomicBooleanCodec.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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  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-
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1.553 bcpkix-jdk15on 1.52

1.554 dns-python 1.16.0

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Jan 21, 2002

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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
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Some other contributors:

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

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Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.
Brent Benson (brent@cs.ucdavis.edu) ported the collector to
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Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to
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Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the
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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 3.0 (December 2000)

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@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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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>
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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Open Source Used In DNAC System Engineering fury 9768
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1.566 libpython stdlib 3.5.2-2ubuntu0~16.04.12

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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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</tr>
</tbody>
</table>

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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)
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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
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 * /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/instrument/classloading/ShadowingClassLoader.java
 * /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/scheduling/concurrent/ScheduledExecutorTask.java
 * /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/cache/config/CacheNamespaceHandler.java
 * /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/instrument/classloading/websphere/WebSphereClassPreDefinePlugin.java
 * /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/validation/beanvalidation/MethodValidationPostProcessor.java

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*/
/**
* [FactoryBean](javax.management.MBeanServer) that obtains a WebSphere [MBeanServer]
* reference through WebSphere's proprietary [AdminServiceFactory] API,
* available on WebSphere 5.1 and higher.
* 
* Exposes the [MBeanServer] for bean references.
* This FactoryBean is a direct alternative to [MBeanServerFactoryBean],
* which uses standard JMX 1.2 API to access the platform's MBeanServer.
* 
* See the javadocs for WebSphere's
* [AdminServiceFactory] and [MBeanFactory].
* 
* @author Juergen Hoeller
* @author Rob Harrop
* @since 2.0.3
* @see javax.management.MBeanServer
* @see MBeanServerFactoryBean
*/

Found in path(s):
*/opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/jmx/support/WebSphereMBeanServerFactoryBean.java

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* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/context/config/MBeanServerBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/remoting/RemoteAccessException.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/jmx/export/AbstractConfigurableMBeanInfoAssembler.java

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 */
jar/org/springframework/cache/annotation/ProxyCachingConfiguration.java
*/

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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.
 *
 * @author Stephane Nicoll
 * @since 4.1
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-
jar/org/springframework/cache/interceptor/CacheOperationInvoker.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 [@code @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>
* <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/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-
jar/org/springframework/context/annotation/Conditional.java
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  jar/org/springframework/format/datetime/standard/InstantFormatter.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-
  jar/org/springframework/context/support/LiveBeansView.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-
  jar/org/springframework/context/support/ApplicationContextAwareProcessor.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-
  jar/org/springframework/context/annotation/ConfigurationClass.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-
  jar/org/springframework/context/annotation/EnableLoadTimeWeaving.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-
  jar/org/springframework/scripting/groovy/GroovyScriptEvaluator.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-
  jar/org/springframework/scheduling/config/TriggerTask.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-
  jar/org/springframework/context/annotation/MethodBasedEvaluationContext.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-
  jar/org/springframework/format/support/FormatterPropertyEditorAdapter.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-
  jar/org/springframework/context/config/LoadTimeWeaverBeanDefinitionParser.java
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  jar/org/springframework/jndi/JndiLocatorDelegate.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-
  jar/org/springframework/context/annotation/ParserStrategyUtils.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-
  jar/org/springframework/schema/executor/ExecutorBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-
  jar/org/springframework/context/annotation/ConfigurationCondition.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-
  jar/org/springframework/jmx/export/assembler/MethodNameBasedMBeanInfoAssembler.java
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* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/scripting/config/ScriptBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/context/config/PropertyOverrideBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/context/support/GenericXmlApplicationContext.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/context/support/AbstractResourceBasedMessageSource.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/cache/support/AbstractValueAdaptingCache.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/cache/support/NoOpCache.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/scheduling/concurrent/ConcurrentTaskExecutor.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/scheduling/concurrent/ThreadPoolTaskExecutor.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/context/annotation/PropertySource.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/context/annotation/ContextAnnotationAutowireCandidateResolver.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/context/annotation/LoadTimeWeavingConfiguration.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/context/annotation/ImportSelector.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/ejb/config/AbstractJndiLocatingBeanDefinitionParser.java
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* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/context/instrument/BeanInvocation.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/context/MessageSourceAware.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/jmx/export/notification/NotificationPublisherAware.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/context/ApplicationContextInitializer.java
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* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/context/annotation/ScopeMetadata.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/context/access/ContextJndiBeanFactoryLocator.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/context/support/LiveBeansViewMBean.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/context/event/ContextClosedEvent.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/context/access/ContextJndiBeanFactoryLocator.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/context/event/ContextClosedEvent.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/context/support/LiveBeansViewMBean.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/context/support/LiveBeansViewMBean.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/context/support/LiveBeansViewMBean.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/context/support/LiveBeansViewMBean.java
jar/org/springframework/cache/interceptor/CacheInterceptor.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-
jar/org/springframework/jmx/export/metadata/InvalidMetadataException.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-
jar/org/springframework/validation/beanvalidation/LocaleContextMessageInterpolator.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-
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* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-
jar/org/springframework/jndi/JndiTemplateEditor.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-
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* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-
jar/org/springframework/jndi/JndiRmiProxyFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-
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* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-
jar/org/springframework/scheduling/support/DelegatingErrorHandlingRunnable.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-
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* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-
jar/org/springframework/context/support/AbstractXmlApplicationContext.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-
jar/org/springframework/validation/Errors.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-
jar/org/springframework/instrument/classloading/LoadTimeWeaver.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-
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* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-
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* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-
jar/org/springframework/jmx/export/naming/ObjectNamingStrategy.java
* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-
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* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-
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* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-
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* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-
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jar/org/springframework/remoting/support/DefaultRemoteInvocationExecutor.java

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* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/context/annotation/ProfileCondition.java
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jar/org/springframework/scheduling/annotation/AsyncConfigurerSupport.java
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* /opt/ws_local/PERMITS_SQL/1093519573_1600946736.6/0/spring-context-4-3-29-release-sources-jar/org/springframework/cache/interceptor/CacheOperationInvocationContext.java
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1.570 metrics-servlets 4.1.0

1.571 not-yet-commons-ssl 0.3.9

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1.572 cffi 1.14.4

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1.574 janino 2.6.1

1.575 aiohttp 2.2.5

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<td>lib/interception/mach_override</td>
</tr>
<tr>
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<td>See source files for details.</td>
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Jan 21, 2002

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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(ago@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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^L

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Version 3.1, 31 March 2009

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*/
/**
* Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in its { @link ChannelPipeline}. 
* <h3>Sub-types</h3>
* <p>
* { @link ChannelHandler} itself does not provide many methods, but you usually have to implement one of its subtypes:
* <ul>
*  <li> {@link ChannelInboundHandler} to handle inbound I/O events, and</li>
*  <li> {@link ChannelOutboundHandler} to handle outbound I/O operations.</li>
* </ul>
* <p>
* Alternatively, the following adapter classes are provided for your convenience:
* <ul>
* <li>{@link ChannelInboundHandlerAdapter} to handle inbound I/O events,</li>
* <li>{@link ChannelOutboundHandlerAdapter} to handle outbound I/O operations, and</li>
* <li>{@link ChannelDuplexHandler} to handle both inbound and outbound events</li>
* </ul>
* </p>
* For more information, please refer to the documentation of each subtype.
* </p>
*
* <h3>The context object</h3>
* 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; {
*   private boolean loggedIn;
*   
*   { @code @Override
*   public void channelRead0({@link 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:

```
// 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

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

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

    {@code @Override}
    public void channelRead({@link ChannelHandlerContext} ctx, Message message) {
        Attribute<{@link Boolean}> attr = ctx.attr(auth);
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) o);
        } else if (message instanceof GetDataMessage) {
            ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
        } else (message instanceof GetDataMessage) {
            fail();
        }
    }
}
```
* Now that the state of the handler is attached to the `<link ChannelHandlerContext>`, you can add the same handler instance to different pipelines:

```java
public class DataServerInitializer extends `<link ChannelInitializer>` {
    private static final DataServerHandler <b>SHARED</b> = new DataServerHandler();

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

* <h4>The `<code>@Sharable</code>` annotation</h4>

In the example above which used an `<link AttributeKey>`, you might have noticed the `<code>@Sharable</code>` annotation. If a `<link ChannelHandler>` is annotated with the `<code>@Sharable</code>` 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 the JCIP annotations.</p>

* <h3>Additional resources worth reading</h3>

* 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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// https://tools.ietf.org/html/rfc7540#section-8.1.2.2 makes a special exception for TE

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* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-
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  jar/io/netty/util/concurrent/FastThreadLocalRunnable.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-
  jar/io/netty/util/internal/Cleaner.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-
  jar/io/netty/util/internal/CleanerJava9.java
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jar/io/netty/handler/codec/http/websocketx/WebSocket08FrameDecoder.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocket13FrameDecoder.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocket07FrameDecoder.java

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* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-
jar/io/netty/handler/codec/http2/Http2ControlFrameLimitEncoder.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-
jar/io/netty/handler/codec/http2/Http2EmptyDataFrameConnectionDecoder.java
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* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/handler/codec/http2/Http2SettingsReceivedConsumer.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/handler/codec/socks/SocksResponseType.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/channel/nio/SelectedSelectionKeySet.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/buffer/EmptyByteBuf.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/buffer/AdvancedLeakAwareByteBuf.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/util/concurrent/package-info.java
jar/io/netty/handler/codec/spdy/SpdyHeadersFrame.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/channel/MessageSizeEstimator.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/channel/DefaultChannelId.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/util/concurrent/Promise.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/handler/codec/spdy/SpdyHeaderBlockEncoder.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/util/Recycler.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/handler/codec/socks/SocksAddressType.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/channel/DefaultChannelProgressivePromise.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/buffer/WrappedByteBuf.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/channel/udt/UdtChannelOption.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/util/concurrent/ImmediateEventExecutor.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/handler/codec/memcache/MemcacheMessage.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/example/rxtx/RxtxCilent.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
 * <a href="http://iharder.sourceforge.net/current/java/base64/">Robert Harder's Public Domain
 * Base64 Encoder/Decoder</a>.
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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/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/channel/epoll/EpollSocketChannelConfig.java
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* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/util/internal/ResourcesUtil.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/resolver/dns/AuthoritativeDnsServerCache.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/handler/ssl/OpenSslCachingX509KeyManagerFactory.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/resolver/dns/NoopAuthoritativeDnsServerCache.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/resolver/dns/DnsAddressDecoder.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/handler/ssl/OpenSslPrivateKey.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/resolver/dns/NoopAuthoritativeDnsServerCache.java
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* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/resolver/dns/DnsAddressResolveContext.java
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* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/channel/SimpleUserEventChannelHandler.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/handler/ssl/OpenSslPrivateKey.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/channel/SimpleUserEventChannelHandler.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/handler/ssl/OpenSslPrivateKey.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/channel/SimpleUserEventChannelHandler.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/handler/ssl/OpenSslPrivateKey.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/channel/SimpleUserEventChannelHandler.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/handler/ssl/OpenSslPrivateKey.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.

\pre

[@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 \ttt12 (0x0C)\ttt 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> = <tt>0</tt>

[b]lengthFieldLength</b> = <tt>2</tt>

lengthAdjustment = 0

initialBytesToStrip = 0 (= do not strip header)

BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)

<table>
<thead>
<tr>
<th>Length</th>
<th>Actual Content</th>
<th>Length</th>
<th>Actual Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>0x000C</td>
<td>&quot;HELLO, WORLD&quot;</td>
<td>0x000C</td>
<td>&quot;HELLO, WORLD&quot;</td>
</tr>
</tbody>
</table>

</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 \tttinitialBytesToStrip\ttt. In this example, we
specified \ttt2\ttt, 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)

* BEFORE DECODE (14 bytes) AFTER DECODE (12 bytes)
* +--------+----------------+      +----------------+
* | Length | Actual Content |----->| Actual Content |
* | 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
* +--------+----------------+      +----------------+
* </pre>

* 2 bytes length field at offset 0, do not strip header, the length field
  represents the length of the whole message</p>

* 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.

* 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.

* <pre>
* lengthFieldOffset = <b>2</b> (= the length of Header 1)
* lengthFieldLength = <b>3</b>
* lengthAdjustment = 0
* 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
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 \texttt{lengthAdjustment} so that the decoder counts the extra header into the frame length calculation.

\begin{verbatim}
lengthFieldOffset   = 0
lengthFieldLength   = 3
\textbf{lengthAdjustment}    = \textbf{2} (= the length of Header 1)
\textbf{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" |
+----------+----------+----------------+
</verbatim}

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 \texttt{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 \texttt{0} for \texttt{initialBytesToSkip}.

\begin{verbatim}
lengthFieldOffset   = 1 (= the length of HDR1)
lengthFieldLength   = 2
\textbf{lengthAdjustment}    = \textbf{1} (= the length of HDR2)
\textbf{initialBytesToStrip} = \textbf{3} (= the length of HDR1 + LEN)

BEFORE DECODE (16 bytes)                      AFTER DECODE (13 bytes)
+------+-+-------+---+----------------+      +---+----------------+
| HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
| 0xCA | 0x0000C | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
+------+-+-------+---+
</verbatim}

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 \texttt{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 \texttt{0} for \texttt{initialBytesToSkip}.

\begin{verbatim}
lengthFieldOffset   = 1 (= the length of HDR1)
lengthFieldLength   = 2
\textbf{lengthAdjustment}    = \textbf{1} (= the length of HDR2)
\textbf{initialBytesToStrip} = \textbf{3} (= the length of HDR1 + LEN)

BEFORE DECODE (16 bytes)                      AFTER DECODE (13 bytes)
+------+-+-------+---+----------------+      +---+----------------+
| HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
| 0xCA | 0x0000C | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
+------+-+-------+---+
</verbatim}

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 \texttt{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 \texttt{0} for \texttt{initialBytesToSkip}.

\begin{verbatim}
lengthFieldOffset   = 1 (= the length of HDR1)
lengthFieldLength   = 2
\textbf{lengthAdjustment}    = \textbf{1} (= the length of HDR2)
\textbf{initialBytesToStrip} = \textbf{3} (= the length of HDR1 + LEN)

BEFORE DECODE (16 bytes)                      AFTER DECODE (13 bytes)
+------+-+-------+---+----------------+      +---+----------------+
| HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
| 0xCA | 0x0000C | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
+------+-+-------+---+
</verbatim}
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)
+-----------------------------+-----------------------------+
| HDR1 | Length | HDR2 | Actual Content |
| 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |
+-----------------------------+-----------------------------+
| HDR2 | Actual Content |
| 0xFE | "HELLO, WORLD" |
+-----------------------------+-----------------------------+

@see LengthFieldPrepender
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* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/util/internal/CleanerJava6.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/util/concurrent/FastThreadLocalThread.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/channel/DefaultChannelHandlerContext.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/SequencedAtomicReferenceArrayQueue.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/util/internal/shaded/org/jctools/maps/ConcurrentAutoTable.java
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* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/util/internal/shaded/org/jctools/maps/NonBlockingHashSet.java
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* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/handler/codec/redis/LastBulkStringRedisContent.java

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* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/channel/sctp/SctpNotificationHandler.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/channel/sctp/DefaultSctpChannelConfig.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/example/worldclock/WorldClockProtocol.proto
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* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/channel/sctp/nio/NioSctpServerChannel.java
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jar/io/netty/channel/ChannelOption.java
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jar/io/netty/example/securechat/SecureChatServerInitializer.java
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jar/io/netty/channel/ThreadPerChannelEventLoop.java
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jar/io/netty/handle/ReadonlyByteBuf.java
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jar/io/netty/channel/udt/nio/NioUdtByteRendezvousChannel.java
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 * Enumeration of supported Base64 dialects.
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* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources.jar/netty/util/collection/IntObjectMap.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources.jar/netty/util/collection/ShortObjectHashMap.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources.jar/netty/example/http2/Http2ExampleUtil.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources.jar/netty/util/collection/CharCollections.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources.jar/netty/util/collection/LongObjectMap.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources.jar/netty/example/http2/helloworld/client/Http2ClientInitializer.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources.jar/netty/handler/codec/DefaultHeaders.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources.jar/netty/handler/codec/http2/Http2Connection.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources.jar/netty/handler/codec/http2/Http2FrameSizePolicy.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources.jar/netty/util/collection/ShortObjectMap.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources.jar/netty/handler/codec/mqtt/MqttQoS.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources.jar/netty/handler/codec/http2/Http2Error.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources.jar/netty/handler/codec/Headers.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources.jar/mqtt/MqttQoS.java
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* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources.jar/netty/handler/codec/Headers.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources.jar/netty/example/http2/helloworld/client/Http2SettingsHandler.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/example/http2/helloworld/client/Http2Client.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/util/collection/LongCollections.java

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* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/channel/scpt/ScptChannelOption.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/channel/oio/OioByteStreamChannel.java
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* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/util/MemoryUtil.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/utils/Unsafe.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/TcpFilter.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/TcpJsonProtocol.java
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* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/example/mqtt/heartBeat/MqttHeartBeatBrokerHandler.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/handler/ssl/TrustManagerFactoryWrapper.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/example/mqtt/heartBeat/MqttHeartBeatClient.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources-jar/io/netty/handler/ssl/KeyManagerFactoryWrapper.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources.jar/io/netty/handler/codec/http/websocketx/WebSocket00FrameDecoder.java
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* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources.jar/io/netty/internal/tcnative/SSLPrivateKeyMethodDecrypTask.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources.jar/io/netty/resolver/dns/TcpDnsQueryContext.java
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* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources.jar/io/netty/handler/codec/dns/TcpDnsQueryEncoder.java
* /opt/cola/permits/1124846553_1611185831.39/0/netty-all-4-1-46-final-sources.jar/io/netty/channel/ExtendedClosedChannelException.java
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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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* Allowing them being read would mean anyone with access to the channel could get them.
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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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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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@enumerate 0
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David Megginson, sax@megginson.com
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* m4/ax_func_which_gethostbyname_r.m4

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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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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.

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
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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.

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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 \textit{Lesser} General Public License because it does \textit{Less} to protect the user's freedom than the ordinary General Public License. It also provides other free software developers \textit{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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(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.

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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.

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- Use a suitable shared library mechanism for linking with the Library. A
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@end enumerate

@ifex
@heading END OF TERMS AND CONDITIONS
@end ifex
@ifinfo
@center END OF TERMS AND CONDITIONS
@end ifinfo

@page
@appendixsubsec How to Apply These Terms to Your New Libraries

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```
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```

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```
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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!

GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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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.
AI 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 Petersen (jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauachmann@bigfoot.com) supplied the Amiga port.
Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D. Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied Linux and Sony News specific code. AI 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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/** 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"
    */

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* /opt/cola/permits/1113053003_1607377274.51/0/jetty-server-9-3-27-v20190418-sources-2.jar/org/eclipse/jetty/server/PushBuilderImpl.java
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1.599 libalgorithm-merge-perl 0.08-3
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    #
    # For testing:
    #
    sub main::diag {
        warn join("", @_, "n");
    }

    print join(" ", merge(
        #print Data::Dumper -> Dump([
        #    merge(
        # # [qw(a b c d h i j)], # ancestor
        # # [qw(a b c d f h i j)], # left
        # # [qw(a b c e g )], # right
        qw(0 1 2 3 4 7 9 b)),
        qw(0 6 8 a b)),
        qw(0 1 2 3 5 8 a b)),
        ##
        {
            CONFLICT => sub ($$) { (
                q{<}, @{$$_[0]}, q{|}, @{$$_[1]}, q{>}
            )},
        },
    ), "n";
    #)), "n";
    #print join(" ", @[
    # [qw(0 1 @ < 3 | # > 6)]
    # ]), "n";

    1;
    __END__

    1:

    __END__

=head1 NAME
Algorithm::Merge - Three-way merge and diff

=head1 SYNOPSIS

use Algorithm::Merge qw(merge diff3 traverse_sequences3);

@merged = merge(@ancestor, @a, @b, {
    CONFLICT => sub { }
});

$merged = merge(@ancestor, @a, @b, {
    CONFLICT => sub { }
    }, $key_generation_function);

@diff = diff3(@ancestor, @a, @b);

@diff = diff3(@ancestor, @a, @b, $key_generation_function);

@trav = traverse_sequences3(@ancestor, @a, @b, {
    # callbacks
});

$trav = traverse_sequences3(@ancestor, @a, @b, {
    # callbacks
    }, $key_generation_function);

=head1 USAGE
This module complements \texttt{Algorithm::Diff} by providing three-way merge and diff functions.

In this documentation, the first list to \texttt{diff3}, \texttt{merge}, and \texttt{traverse_sequences3} is called the `original' list. The second list is the `left' list. The third list is the `right' list.

The optional key generation arguments are the same as in \texttt{Algorithm::Diff}. See \texttt{Algorithm::Diff} for more information.

=head2 diff3

Given references to three lists of items, \texttt{diff3} performs a three-way difference.

This function returns an array of operations describing how the left and right lists differ from the original list. In scalar context, this function returns a reference to such an array.

Perhaps an example would be useful.

Given the following three lists,

original: a b c e f h i k
left: a b d e f g i j k
right: a b c d e h i j k

merge: a b d e g i j k

we have the following result from \texttt{diff3}:

\[
\begin{array}{c}
\text{[ 'u', 'a', 'a', 'a' ]}, \\
\text{[ 'u', 'b', 'b', 'b' ]}, \\
\text{[ 'l', 'c', undef, 'c' ]}, \\
\text{[ 'o', undef, 'd', 'd' ]}, \\
\text{[ 'u', 'e', 'e', 'e' ]}, \\
\text{[ 'r', 'f', 'f', undef ]}, \\
\text{[ 'o', 'h', 'g', 'h' ]}, \\
\text{[ 'u', 'i', 'i', 'i' ]}, \\
\text{[ 'o', undef, 'j', 'j' ]}, \\
\text{[ 'u', 'k', 'k', 'k' ]}
\end{array}
\]

The first element in each row is the array with the difference:

c - conflict (no two are the same)
The next three elements are the lists from the original, left, and right arrays respectively that the row refers to (in the synopsis, these are C<@ancestor>, C<@a>, and C<@b>, respectively).

=head2 merge

Given references to three lists of items, C<merge> performs a three-way merge. The C<merge> function uses the C<diff3> function to do most of the work.

The only callback currently used is C<CONFLICT> which should be a reference to a subroutine that accepts two array references. The first array reference is to a list of elements from the left list. The second array reference is to a list of elements from the right list. This callback should return a list of elements to place in the merged list in place of the conflict.

The default C<CONFLICT> callback returns the following:

q{<!-- ------ START CONFLICT ------ -->},
(@left),
q{<!-- ---------------------------- -->},
(@right),
q{<!-- ------  END  CONFLICT ------ -->}.

=head2 traverse_sequences3

This is the workhorse function that goes through the three sequences and calls the callback functions.

The following callbacks are supported.

=over 4

=item NO_CHANGE

This is called if all three sequences have the same element at the current position. The arguments are the current positions within each sequence, the first argument being the current position within the first sequence.

=item A_DIFF
This is called if the first sequence is different than the other two sequences at the current position.
This callback will be called with one, two, or three arguments.

If one argument, then only the element at the given position from the first sequence is not in either of the other two sequences.

If two arguments, then there is no element in the first sequence that corresponds to the elements at the given positions in the second and third sequences.

If three arguments, then the element at the given position in the first sequence is different than the corresponding element in the other two sequences, but the other two sequences have corresponding elements.

=item B_DIFF

This is called if the second sequence is different than the other two sequences at the current position.
This callback will be called with one, two, or three arguments.

If one argument, then only the element at the given position from the second sequence is not in either of the other two sequences.

If two arguments, then there is no element in the second sequence that corresponds to the elements at the given positions in the first and third sequences.

If three arguments, then the element at the given position in the second sequence is different than the corresponding element in the other two sequences, but the other two sequences have corresponding elements.

=item C_DIFF

This is called if the third sequence is different than the other two sequences at the current position.
This callback will be called with one, two, or three arguments.

If one argument, then only the element at the given position from the third sequence is not in either of the other two sequences.

If two arguments, then there is no element in the third sequence that corresponds to the elements at the given positions in the first and second sequences.

If three arguments, then the element at the given position in the third sequence is different than the corresponding element in the other two sequences, but the other two sequences have corresponding elements.
This is called if all three sequences have different elements at the current position. The three arguments are the current positions within each sequence.

=back 4

=head1 BUGS

Most assuredly there are bugs. If a pattern similar to the above example does not work, send it to <jsmith@cpan.org> or report it on <http://rt.cpan.org/>, the CPAN bug tracker.

L<Algorithm::Diff|Algorithm::Diff>'s implementation of C<traverse_sequences> may not be symmetric with respect to the input sequences if the second and third sequence are of different lengths. Because of this, C<traverse_sequences3> will calculate the diffs of the second and third sequences as passed and swapped. If the differences are not the same, it will issue an `Algorithm::Diff::diff is not symmetric for second and third sequences...' warning. It will try to handle this, but there may be some cases where it can't.

=head1 SEE ALSO

L<Algorithm::Diff>.

=head1 AUTHOR

James G. Smith, <jsmith@cpan.org>

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1017917941_1591373594.75/0/libalgorithm-merge-perl-0-08-orig-tar-gz/Algorithm-Merge-0.08/Merge.pm
No license file was found, but licenses were detected in source scan.

NAME
   Algorithm::Merge - Three-way merge and diff

SYNOPSIS
use Algorithm::Merge qw(merge diff3 traverse_sequences3);

@merged = merge(@ancestor, @a, @b, {
    CONFLICT => sub { }
});

@merged = merge(@ancestor, @a, @b, {
    CONFLICT => sub { }
}, $key_generation_function);

$merged = merge(@ancestor, @a, @b, {
    CONFLICT => sub { }
});

$merged = merge(@ancestor, @a, @b, {
    CONFLICT => sub { }
}, $key_generation_function);

@diff = diff3(@ancestor, @a, @b);

@diff = diff3(@ancestor, @a, @b, $key_generation_function);

$diff = diff3(@ancestor, @a, @b);

$diff = diff3(@ancestor, @a, @b, $key_generation_function);

@trav = traverse_sequences3(@ancestor, @a, @b, {
    # callbacks
});

@trav = traverse_sequences3(@ancestor, @a, @b, {
    # callbacks
}, $key_generation_function);

$trav = traverse_sequences3(@ancestor, @a, @b, {
    # callbacks
});

$trav = traverse_sequences3(@ancestor, @a, @b, {
    # callbacks
}, $key_generation_function);

**USAGE**

This module complements Algorithm::Diff by providing three-way merge and diff functions.

In this documentation, the first list to "diff3", "merge", and "traverse_sequences3" is called the "original" list. The second list is
the `left' list. The third list is the `right' list.

The optional key generation arguments are the same as in Algorithm::Diff. See Algorithm::Diff for more information.

diff3
Given references to three lists of items, "diff3" performs a three-way difference.

This function returns an array of operations describing how the left and right lists differ from the original list. In scalar context, this function returns a reference to such an array.

Perhaps an example would be useful.

Given the following three lists,

original:  a  b  c  e  f  h  i  k
  left:  a  b  d  e  f  g  i  j  k
  right: a  b  c  d  e  h  i  j  k

merge:  a  b  d  e  g  i  j  k

we have the following result from diff3:

[ 'u', 'a', 'a', 'a' ],
[ 'u', 'b', 'b', 'b' ],
[ 'l', 'c', undef, 'c' ],
[ 'o', undef, 'd', 'd' ],
[ 'u', 'e', 'e', 'e' ],
[ 'r', 'f', 'f', undef ],
[ 'o', 'h', 'g', 'h' ],
[ 'u', 'i', 'i', 'i' ],
[ 'o', undef, 'j', 'j' ],
[ 'u', 'k', 'k', 'k' ]

The first element in each row is the array with the difference:

c - conflict (no two are the same)
l - left is different
o - original is different
r - right is different
u - unchanged

The next three elements are the lists from the original, left, and right arrays respectively that the row refers to (in the synopsis, these are @ancestor, @a, and @b, respectively).
merge
Given references to three lists of items, "merge" performs a three-way merge. The "merge" function uses the "diff3" function to do most of the work.

The only callback currently used is "CONFLICT" which should be a reference to a subroutine that accepts two array references. The first array reference is to a list of elements from the left list. The second array reference is to a list of elements from the right list. This callback should return a list of elements to place in the merged list in place of the conflict.

The default "CONFLICT" callback returns the following:

```
q{<!- ------ START CONFLICT ------ -->},
(@left),
q{<!- ---------------------------- -->},
(@right),
q{<!- ------  END  CONFLICT ------ -->},
```

traverse_sequences3
This is the workhorse function that goes through the three sequences and calls the callback functions.

The following callbacks are supported.

NO_CHANGE
This is called if all three sequences have the same element at the current position. The arguments are the current positions within each sequence, the first argument being the current position within the first sequence.

A_DIFF
This is called if the first sequence is different than the other two sequences at the current position. This callback will be called with one, two, or three arguments.

If one argument, then only the element at the given position from the first sequence is not in either of the other two sequences.

If two arguments, then there is no element in the first sequence that corresponds to the elements at the given positions in the second and third sequences.

If three arguments, then the element at the given position in the first sequence is different than the corresponding element in the other two sequences, but the other two sequences have corresponding elements.
B_DIFF
This is called if the second sequence is different than the other two sequences at the current position. This callback will be called with one, two, or three arguments.

If one argument, then only the element at the given position from the second sequence is not in either of the other two sequences.

If two arguments, then there is no element in the second sequence that corresponds to the elements at the given positions in the first and third sequences.

If three arguments, then the element at the given position in the second sequence is different than the corresponding element in the other two sequences, but the other two sequences have corresponding elements.

C_DIFF
This is called if the third sequence is different than the other two sequences at the current position. This callback will be called with one, two, or three arguments.

If one argument, then only the element at the given position from the third sequence is not in either of the other two sequences.

If two arguments, then there is no element in the third sequence that corresponds to the elements at the given positions in the first and second sequences.

If three arguments, then the element at the given position in the third sequence is different than the corresponding element in the other two sequences, but the other two sequences have corresponding elements.

CONFLICT
This is called if all three sequences have different elements at the current position. The three arguments are the current positions within each sequence.

BUGS
Most assuredly there are bugs. If a pattern similar to the above example does not work, send it to <jsmith@cpan.org> or report it on <http://rt.cpan.org/> , the CPAN bug tracker.

Algorithm::Diff's implementation of "traverse_sequences" may not be symmetric with respect to the input sequences if the second and third sequence are of different lengths. Because of this,
"traverse_sequences3" will calculate the diffs of the second and third sequences as passed and swapped. If the differences are not the same, it will issue an `Algorithm::Diff::diff is not symmetric for second and third sequences...' warning. It will try to handle this, but there may be some cases where it can't.

SEE ALSO
Algorithm::Diff.

AUTHOR
James G. Smith, <jsmith@cpan.org>

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1017917941_1591373594.75/0/libalgorithm-merge-perl-0-08-orig-targ-gz/Algorithm-Merge-0.08/README

1.600 libffi-dev 3.2.1-4
1.600.1 Available under license :
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```scala
/**
 * This singleton object contains the `apply` and `unapplySeq` methods for
 * convenient construction and deconstruction. It is possible to deconstruct
 * any `Node` instance (that is not a `SpecialNode` or a `Group`) using the
 * syntax `case Elem(prefix, label, attribs, scope, child @ _*) => ...`.
 *
 * Copyright 2008 Google Inc. All Rights Reserved.
 *
 */
```

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```scala
/**
 * This class represents an attribute and at the same time a linked list of
 * attributes. Every instance of this class is either
 * - an instance of `UnprefixedAttribute key,value` or
 * - an instance of `PrefixedAttribute namespace_prefix,key,value` or
 * - `Null`, the empty attribute list.
 *
 * Namespace URIs are obtained by using the namespace scope of the element
 * owning this attribute (see `getNamespace`).
 *
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 *
 */
```

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```scala
/**
 * 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/1114224916_1607455104.2/0/scala-library-2-10-4-sources-3-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
 * http://creativecommons.org/publicdomain/zero/1.0/
 */

Found in path(s):
*/opt/cola/permits/1114224916_1607455104.2/0/scala-library-2-10-4-sources-3-jar/scala/concurrent/impl/Promise.scala

1.602 resourcelocator 1.0.1
1.603 libreadline 6.3 8ubuntu2

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This is Debian GNU/Linux’s prepackaged version of the FSF’s GNU
Readline library.

This package was put together by Matthias Klose <doko@debian.org>, derived
from the bash package by Guy Maor <maor@debian.org>, from the GNU sources at
ftp.gnu.org:/pub/gnu/readline/readline-6.0.tar.gz.

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Local Variables:
ispell-local-pdict: "ispell-dict"
End:

1.604 tzlocal 2.1
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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

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

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
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1.607 maglev-appctl 1.6.8
1.607.1 Available under license:

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

Metadata-Version: 2.0
Name: maglev-appctl
Version: 1.6.8
Summary: Maglev Python Application Controller (1.6.8)
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 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/1125177915_1611254855.97/0/maglev-appctl-1.6.8-dist-info-zip/licenseservice_extracted/maglev_appctl-1.6.8-py2.py3-none-any.whl_extracted/maglev_appctl-1.6.8.dist-info/METADATA
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 */

Found in path(s):
* /opt/cola/permits/1125288542_1611281834.47/0/validation-api-1-0-0-ga-sources-jar/javax/validation/ConstraintDeclarationException.java
* /opt/cola/permits/1125288542_1611281834.47/0/validation-api-1-0-0-ga-sources-jar/javax/validation/constraints/Min.java
* /opt/cola/permits/1125288542_1611281834.47/0/validation-api-1-0-0-ga-sources-jar/javax/validation/constraints/Max.java
* /opt/cola/permits/1125288542_1611281834.47/0/validation-api-1-0-0-ga-sources-jar/javax/validation/spi/BootstrapState.java
* /opt/cola/permits/1125288542_1611281834.47/0/validation-api-1-0-0-ga-sources-jar/javax/validation/spi/ConfigurationState.java
* /opt/cola/permits/1125288542_1611281834.47/0/validation-api-1-0-0-ga-sources-jar/javax/validation/spi/ValidatorFactory.java
* /opt/cola/permits/1125288542_1611281834.47/0/validation-api-1-0-0-ga-sources-jar/javax/validation/spi/constraints/Future.java
* /opt/cola/permits/1125288542_1611281834.47/0/validation-api-1-0-0-ga-sources-jar/javax/validation/metadata/Scope.java
* /opt/cola/permits/1125288542_1611281834.47/0/validation-api-1-0-0-ga-sources-jar/javax/validation/groups/package-info.java
* /opt/cola/permits/1125288542_1611281834.47/0/validation-api-1-0-0-ga-sources-jar/javax/validation/spi/package-info.java
*/
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*/
1.610 sysvinit-utils 2.88dsf 59.3ubuntu2

1.610.1 Available under license:

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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Send patches to sysvinit-devel@nongnu.org

The of the start-stop-daemon

* A rewrite of the original Debian's start-stop-daemon Perl script
* in C (faster - it is executed many times during system startup).
* Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>,
* public domain.
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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* 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@il7linuxb.ists.pwr.wroc.pl>,
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1.611 commons-lang3 3.0

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1.612 woodstox-core 5.3.0
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1.613 libkrbheimdal 1.7~git20150920+dfsg
4ubuntu1.16.04.1
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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

AES in libcrypto

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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 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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Windows support

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lib/hcrypto/test_dh.c

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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.

k5dfspsag.c is in lib/krb5
k5dfspsag.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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-- Tom St Denis
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Please see info documentation for the complete list of licenses. 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 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
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.

-\(-F\)
   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 libaray
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_lflag 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 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 syntax 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()/setpgid()
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_fflag&NOFLSH) == 0)
> ttyflush(tp, FREAD|FWRITE);
> ! pgsignal(tp->t_pgrp, *(unsigned int *)data);
> return(0);
> }
> --- 609,616 ****
```
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:
made 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 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():

TIOCCEXT 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 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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The parts of the libtelnet that handle Kerberos.

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The parts of the libbroken, most of libtelnet, telnet, ftp, and popper.

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@table @asis
@item GSS-API CFX, SPNEGO, naming extensions, API extensions.
@item KCM credential cache.
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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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@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.

(GEnie : OUTER; CIS : [71755,204]) Graven Imagery, 1992.

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Windows support
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Release Notes:

popper-1.831beta is no longer beta
30 July 91
Removed popper-1.7.tar.Z

popper-1.831beta.tar.Z
03 April 91
Changed mkstemp to mktemp for Ultrix. Sigh.

popper-1.83beta.tar.Z
27 March 91
This version makes certain that while running as root we do nothing at all destructive.

popper-1.82beta.tar.Z
20 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  
opoptest@nettlesome.berkeley.edu  
UC Berkeley

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.

-- 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

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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):

<table>
<thead>
<tr>
<th>Service</th>
<th>Port</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>krb_prop</td>
<td>754/tcp</td>
<td>Kerberos slave propagation</td>
</tr>
<tr>
<td>iprop</td>
<td>2121/tcp</td>
<td>Incremental propagation</td>
</tr>
</tbody>
</table>

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]:

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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/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

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-- Tom St Denis

1.614 log4j-over-slf4j 1.7.21

1.615 isc-dhcp-client 4.3.3 5ubuntu12.10

1.615.1 Available under license:

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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 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>

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

1.616 jinja2 2.11.2

1.616.1 Available under license:
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1066236837_1593561702.39/0/jinja2-2-11-2-1-tar-gz/Jinja2-2.11.2/LICENSE.rst

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

```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={
```
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
- 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.*
1.617 systemd 229-4ubuntu21.23

1.617.1 Available under license:

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1.619 curl 7.47.0-1ubuntu2.18

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1.620 json4s-ast 3.2.5
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* /opt/cola/permits/1112015951_1607033975.99/0/json4s-ast-2-10-3-2-5-sources-1-jar/org/json4s/Diff.scala
* /opt/cola/permits/1112015951_1607033975.99/0/json4s-ast-2-10-3-2-5-sources-1-jar/org/json4s/Merge.scala
No license file was found, but licenses were detected in source scan.

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* /opt/cola/permits/1112015951_1607033975.99/0/json4s-ast-2-10-3-2-5-sources-1-jar/org/json4s/JsonDSL.scala

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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.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(ags@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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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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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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from a designated place, offer equivalent access to copy the above
specified materials from the same place.

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

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* /opt/cola/permits/1112466733_1607091817.23/0/cglib-2-2-0-b21-sources-1-jar/net/sf/cglib/util/ParallelSorterEmitter.java
* /opt/cola/permits/1112466733_1607091817.23/0/cglib-2-2-0-b21-sources-1-jar/net/sf/cglib/transform/impl/AccessFieldTransformer.java
* /opt/cola/permits/1112466733_1607091817.23/0/cglib-2-2-0-b21-sources-1-jar/net/sf/cglib/proxy/ProxyRefDispatcher.java
* /opt/cola/permits/1112466733_1607091817.23/0/cglib-2-2-0-b21-sources-1-jar/net/sf/cglib/core/DefaultGeneratorStrategy.java
* /opt/cola/permits/1112466733_1607091817.23/0/cglib-2-2-0-b21-sources-1-jar/net/sf/cglib/core/Constants.java
* /opt/cola/permits/1112466733_1607091817.23/0/cglib-2-2-0-b21-sources-1-jar/net/sf/cglib/core/NamedKeySet.java
* /opt/cola/permits/1112466733_1607091817.23/0/cglib-2-2-0-b21-sources-1-jar/net/sf/cglib/core/ClassNameReader.java
* /opt/cola/permits/1112466733_1607091817.23/0/cglib-2-2-0-b21-sources-1-jar/net/sf/cglib/transform/ClassTransformerFactory.java
* /opt/cola/permits/1112466733_1607091817.23/0/cglib-2-2-0-b21-sources-1-jar/net/sf/cglib/core/ProcessSwitchCallback.java
* /opt/cola/permits/1112466733_1607091817.23/0/cglib-2-2-0-b21-sources-1-jar/net/sf/cglib/transform/AbstractClassTransformer.java
* /opt/cola/permits/1112466733_1607091817.23/0/cglib-2-2-0-b21-sources-1-jar/net/sf/cglib/core/NamingPolicy.java
* /opt/cola/permits/1112466733_1607091817.23/0/cglib-2-2-0-b21-sources-1-jar/net/sf/cglib/core/ClassNameReader.java
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* /opt/cola/permits/1112466733_1607091817.23/0/cglib-2-2-0-b21-sources-1-jar/net/sf/cglib/proxy/LazyLoader.java
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* /opt/cola/permits/1112466733_1607091817.23/0/cglib-2-2-0-b21-sources-1-jar/net/sf/cglib/core/AbstractClassGenerator.java
* /opt/cola/permits/1112466733_1607091817.23/0/cglib-2-2-0-b21-sources-1-jar/net/sf/cglib/proxy/Proxy.java
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* /opt/cola/permits/1112466733_1607091817.23/0/cglib-2-2-0-b21-sources-1-jar/net/sf/cglib/core/DebuggingClassWriter.java
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* /opt/cola/permits/1112466733_1607091817.23/0/cglib-2-2-0-b21-sources-1-jar/net/sf/cglib/core/KeyFactory.java
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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1.630 itsdangerous 1.1.0

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The initial implementation of itsdangerous was inspired by Django's signing module.

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Found in path(s):
* /opt/cola/permits/1110717227_1606845294.31/0/pallets-itsdangerous-1-1-0-0-g6e63598-1-tar-gz/pallets-itsdangerous-6e63598/LICENSE.rst

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

.. image:: _static/itsdangerous-logo.png
   :align: center
   :target: https://palletsprojects.com/p/itsdangerous/

Sometimes you just want to send some data to untrusted environments. But how to do this safely? The trick involves signing. Given a key only you know, you can cryptographically sign your data and hand it over to someone else. When you get the data back you can easily ensure that nobody tampered with it.

Granted, the receiver can decode the contents and look into the package, but they can not modify the contents unless they also have your secret key. So if you keep the key secret and complex, you will be fine.

Internally itsdangerous uses HMAC and SHA-512 for signing by default. The initial implementation was inspired by `Django's signing module <https://docs.djangoproject.com/en/dev/topics/signing/>`_. It also supports JSON Web Signatures (JWS). The library is BSD licensed.

Installing
----------

Install and update using `pip`

.. code-block:: text

   pip install -U itsdangerous
Example Use Cases
-------------------

- You can serialize and sign a user ID in a URL and email it to them to unsubscribe from a newsletter. This way you don't need to generate one-time tokens and store them in the database. Same thing with any kind of activation link for accounts and similar things.
- Signed objects can be stored in cookies or other untrusted sources which means you don't need to have sessions stored on the server, which reduces the number of necessary database queries.
- Signed information can safely do a roundtrip between server and client in general which makes them useful for passing server-side state to a client and then back.

Table of Contents
-------------------

.. toctree::

    signer
    serializer
    exceptions
    timed
    url_safe
    jws
    encoding
    license
    changes

Found in path(s):
* /opt/cola/permits/1110717227_1606845294.31/0/pallets-itsdangerous-1-1-0-0-g6e63598-1-tar-gz/pallets-itsdangerous-6e63598/docs/index.rst
No license file was found, but licenses were detected in source scan.

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()
setup(
    name="itsdangerous",
    version=version,
    url="https://palletsprojects.com/p/itsdangerous/",
    project_urls={
        "Documentation": "https://itsdangerous.palletsprojects.com/",
        "Code": "https://github.com/pallets/itsdangerous",
        "Issue tracker": "https://github.com/pallets/itsdangerous/issues",
    },
    license="BSD",
    author="Armin Ronacher",
    author_email="armin.ronacher@active-4.com",
    maintainer="Pallets Team",
    maintainer_email="contact@palletsprojects.com",
    description="Various helpers to pass data to untrusted environments and back.",
    long_description=readme,
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    package_dir={"": "src"},
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    python_requires=">=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*",
    classifiers=[
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        "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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* /opt/cola/permits/1110717227_1606845294.31/0/pallets-itsdangerous-1-1-0-0-g6e63598-1-tar-gz/pallets-itsdangerous-6e63598/setup.py

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1.631 thriftpy 0.3.9

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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

```
.. image:: http://img.shields.io/travis/eleme/thriftpy/develop.svg?style=flat
   :target: https://travis-ci.org/eleme/thriftpy

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   :target: https://pypi.python.org/pypi/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:

```python
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:

```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
Classifier: Programming Language :: Python :: Implementation :: CPython
Classifier: Programming Language :: Python :: Implementation :: PyPy

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* /opt/cola/permits/1112217963_1607050005.29/0/thriftpy-0-3-9-1-tar-gz/thriftpy-0.3.9/thriftpy.egg-info/PKG-INFO
* /opt/cola/permits/1112217963_1607050005.29/0/thriftpy-0-3-9-1-tar-gz/thriftpy-0.3.9/thriftpy.egg-info/PKG-INFO
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1.632 jersey-common 2.5.1

1.633 springsourcehibernatevalidator
4.1.0.GA

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1.634 json4s-jackson 3.2.5

1.635 jetty-webapp 9.3.27.v20190418

1.636 libpython3-dev 3.5.1-3

1.636.1 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.

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releases have also been GPL-compatible; the table below summarizes
the various releases.

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1.637 cpp 5.4.0 6ubuntu1~16.04.12

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java/security/acl/Permission.java/lang/Object.equals(Object)Z
java/lang/String;
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interchange.
</para>
</li>
<li>
<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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</para>
</li>
<li>
<para>
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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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@appendixsubsec Preamble

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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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@page
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@ifex
@heading END OF TERMS AND CONDITIONS
@end ifex
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@center END OF TERMS AND CONDITIONS
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@page
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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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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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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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Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

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

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.
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In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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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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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-definition 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
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
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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
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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that copy, so the ordinary GNU General Public License applies to all
subsequent copies and derivative works made from that copy.
This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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That's all there is to it!

GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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When you use GCC to compile a program, GCC may combine portions of certain GCC header files and runtime libraries with the compiled program. The purpose of this Exception is to allow compilation of non-GPL (including proprietary) programs to use, in this way, the header files and runtime libraries covered by this Exception.

0. Definitions.

A file is an "Independent Module" if it either requires the Runtime Library for execution after a Compilation Process, or makes use of an interface provided by the Runtime Library, but is not otherwise based on the Runtime Library.

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"Target Code" refers to output from any compiler for a real or virtual target processor architecture, in executable form or suitable for input to an assembler, loader, linker and/or execution phase. Notwithstanding that, Target Code does not include data in any format that is used as a compiler intermediate representation, or used for producing a compiler intermediate representation.

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.

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.

1. Grant of Additional Permission.

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combining the Runtime Library with Independent Modules, even if such
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all Target Code was generated by Eligible Compilation Processes. You
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Version 2.1, February 1999

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the version number 2.1.]

Preamble

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

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

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

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

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

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

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

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

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

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

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

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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.

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.

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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
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a) Accompany the work with the complete corresponding
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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
   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 materials or that you have already sent this user a copy.

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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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@end.man}

// 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__
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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.

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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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.PP
\$1 \vR
.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
..  

  \l Set up some character translations and predefined strings. \l(\l (-- will  
  \l give an unbreakable dash, \l(\pi will give pi, \l(\L will give a left  
  \l( double quote, and \l(\R will give a right double quote. \l(\C will  
  \l give a nicer C++. Capital omega is used to do unbreakable dashes and  
  \l therefore won't be available. \l(\C and \l(\C expand to ``` in nroff,  
  \l( nothing in troff, for use with C<>.

  \tr \l(\W-
  .ds C+ C\v-1\v'\h'-1p'\u-2+\h'-1p'+\v0\v'.1\v'\h'-1p'
  .ie n \{
    .ds -- \l(\W-
    .ds PI pi
    .if (\n(\H=4u)&(1m=24u) .ds -- \l(\W\h'-12u\l(\W\h'-12u\l(\h'-12p'+\v0\v'.1\v'\h'-1p'
    .if (\n(\H=4u)&(1m=20u) .ds -- \l(\W\h'-12u\l(\W\h'-8u\l(\h'-12p'+\v0\v'.1\v'\h'-1p'
    .ds L" "
    .ds R" "
    .ds C` "
    .ds C' "
    'br\}
  .el\{
    .ds -- |(em|
    .ds PI \n\p
    .ds L" "
    .ds R" "
    'br\}
  
  \l Escape single quotes in literal strings from groff's Unicode transform.
  
  .ie \n(\g .ds Aq \n(aq
  .el .ds Aq '

  \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  
  \l( entries marked with X<> in POD. Of course, you'll have to process the  
  \l( output yourself in some meaningful fashion.

  .ie \nF \{
    .de IX
    .tm Index:\$1\t\n\%	"\$2"
    ..
    .nr % 0
    .rr F
  .el \{
    .de IX
    ..
  
  \l Accent mark definitions (@(#)ms.acc 1.5 88/02/08 SMI; from UCB 4.2).
  \l Fear. Run. Save yourself. No user-serviceable parts.
. " fudge factors for nroff and troff
.if n \n  
  . ds #H 0
  . ds #F .3m
  . ds #[ \n
   . ds [#] \nP
.$]
.if t \n  
  . ds #H ((1u-\n\n(.fu%2u)*.13m)
  . ds #F 0
  . ds #[ \n&
  . ds [#] \n&

.$]
. " simple accents for nroff and troff
.if n \n
  . ds ' \n&
  . ds ` \n&
  . ds ^ \n&
  . ds . \n&
  . ds ~ ~
  . ds / 
.$]
.if t \n
  . ds \k:hi-'-(\n(.wu*8/10-*(#H)\v'-.8m)*(#V\h'-.2m)+*(#F,\h')\n\u'\n\v'(#V' 
  . ds 8 \h'*(#F'*bhi'*(#H' 
  . ds o \k:hi'-(\n(.wu+\w'(de'u-*(#H)/2u\v'-.3n\v'(#H)\v'-.3n\h'\n\u'\v'(#H' 
  . ds d- \h'*(#H'(pd\v'-w'-u'\v'--.25m\v'2(hi\v'\v'25m\h'-.8m(#H' 
  . ds D- D\k:hi'-w'Du'w'-11m\v'hi\v'11m\h'\n\u' 
  . ds th \v'(#H'.3m's+1Ps-1\v'-.3m'h'-lwTu*2/3)s-10s+1\v'(#H' 
  . ds Th \v'(#H's+2Ps-2h'-lwTu*3/5\v'-.3m'lw'.3m'*(#H' 
  . ds ae a'hi'-(w'a'u*4/10)e 
  . ds Ae A'hi'-(w'\v'*4/10)/E 

. " corrections for vroff
.if v .ds ~ \k:hi'-(\n(wu*9/10-*(#H)\v'-.2u-\v'-d\h'\n\u' 
.if v .ds ^ \k:hi'-(\n(wu*10/11-*(#H)\v'-.4m'hw'.4m'\h'\n\u' 

. " for low resolution devices (crt and lpr)
.if \n.(H>23 .if \n.(V>19 
$\n
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to copy the Corresponding Source from a network server at no charge.
.IP "c." 4
.IX Item "c."
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received the object code with such an offer, in accord with subsection
6b.
.IP "d." 4
.IX Item "d."
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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.
.IP "e." 4
.IX Item "e."
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subsection 6d.
.RE
.RS 4
.Sp
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included in conveying the object code work.
.Sp
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SEE ALSO

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

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#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__

16/gnu/javasound/AudioSecurityManager$Permissionjava/lang/EnumPLAY1Lgnu/javasound/AudioSecurityManager$Permission;RECORDALLENUM$VALUES2[Lgnu/javasound/AudioSecurityManager$Permission;<clinit>
>()V
LineNumberTableLocalVariableTable
thisvalues40[Lgnu/javasound/AudioSecurityManager$Permission;
$&%java/lang/System';
arraycopy*(Ljava/lang/Object;ILjava/lang/Object;II)V
valueOfE(Ljava/lang/String;)Lgnu/javasound/AudioSecurityManager$Permission;
).-5(Ljava/lang/Class;Ljava/lang/String;)Ljava/lang/Enum;
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/* Definitions for BSD assembler syntax for Intel 386  
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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)))

#elif HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  
   ( fputs (.lcomm ",", (FILE)),
     assemble_name ((FILE), (NAME)),
     fprintf ((FILE), ",%,%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
/* gnu.classpath.tools.taglets.CopyrightTaglet
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exception statement from your version. */

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() + "\}</i></dt>" + tags[i].text() + "</i></dt>");
                }
            }
            result.append("</dl>");
            return result.toString();
        }
        else {
            return null;
        }
    }
}

java/security/Permission;java/lang/Object;java/security/Deskripsi;java/io/Serializable;serialVersionUID;
ConstantValue(WQ~nameLjava/lang/String;<init>(Ljava/lang/String;)VCode
)VLineNumberTable;LocalVariableTable;this;Ljava/security/Permission;
checkGuard(Ljava/lang/Object;)V
! java/lang/System#checkSecurityManager()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()ZgetName()Ljava/lang/String;
getActionsnewPermissionCollection&()Ljava/security/PermissionCollection;toString();gnu/java/lang/CPStringBuilder;
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1.java/security/acl/Permissionjava/lang/Objectequals(Ljava/lang/Object;)ZtoString()Ljava/lang/String;
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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() + "</i></dt>");
                    //...
/* Permission.java -- The superclass for all permission objects

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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;

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;
}
public Permission(String name)
{
    this.name = name;
}

public void checkGuard(Object obj)
{
    SecurityManager sm = System.getSecurityManager();
    if (sm != null)
        sm.checkPermission(this);
}

public abstract boolean implies(Permission perm);

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>"/+ getClassName() + ", " + 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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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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

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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;

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()
/**
 * 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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</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',
            ...])
'idl-1.3.xml',
'gpl-3.0.xml',

# Skip auto- and libtool-related files
'aclocal.m4',
'compile',
'config.guess',
'config.sub',
'verdepcomp',
'install-sh',
'libtool.m4',
'ltmain.sh',
'ltotoptions.m4',
'lttsugar.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]+and\s+)*0-9'

        # Matches part of a year or copyright holder.
        self.year_re = re.compile ('[0-9]+')

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

        # Matches one year.
        self.year_re = re.compile ('[0-9]+')

        # Non-whitespace characters in a copyright holder's name.
        name = '\[w\s-\]'

        # Non-whitespace characters in a copyright holder's name.
        name = '\[w\s-\]'

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

        # Matches part of a year or copyright holder.
        self.year_re = re.compile ('[0-9]+')

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

    # Matches part of a year or copyright holder.
    self.year_re = re.compile ('[0-9]+')

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

    # Matches part of a year or copyright holder.
    self.year_re = re.compile ('[0-9]+')
# matches a full copyright notice:
self.copyright_re = re.compile (ranges + '|' + name)

# 1: 'Copyright (C)', etc.
'((Cc)opyright' 
'[(Cc)opyright]+(\[Cc\])' 
'[Cc]opyrights+[Cc]' 
'[Cc]opyrights+&copy;' 
'[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 + ',',?' 
'[@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)]
            + ('' if intro.startswith ('copyright = ') else ' ')}
# 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()):

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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[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([
            # Imported from GLIBC.
        ])

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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_package_author ('AdaCore')
        self.add_package_author ('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
        self.add_package_author ('Cavium Networks.')
        self.add_package_author ('Faraday Technology Corp.')
        self.add_package_author ('Florida State University')
        self.add_package_author ('Greg Colvin and Beman Dawes.')
        self.add_package_author ('Hewlett-Packard Company')
        self.add_package_author ('Information Technology Industry Council.')
        self.add_package_author ('James Theiler, Brian Gough')
        self.add_package_author ('Makoto Matsumoto and Takuji Nishimura,')
        self.add_package_author ('National Research Council of Canada.')
        self.add_package_author ('Peter Dimov and Multi Media Ltd.')
        self.add_package_author ('Peter Dimov')
        self.add_package_author ('Pipeline Associates, Inc.')
        self.add_package_author ('Regents of the University of California.')
        self.add_package_author ('Silicon Graphics Computer Systems, Inc.')
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 ('guide', ConfigFilter()))
        self.add_dir ('gcc', GCCFilter())
        self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir ('gnattools', self.add_dir ('gnat4', ConfigFilter()))
        self.add_dir ('include', self.add_dir ('include', ConfigFilter()))
        self.add_dir ('libada', self.add_dir ('libada', ConfigFilter()))
        self.add_dir ('libatomic', self.add_dir ('libatomic', ConfigFilter()))
        self.add_dir ('libbacktrace', self.add_dir ('libbacktrace', ConfigFilter()))
        self.add_dir ('libcpp', LibCppFilter())
        self.add_dir ('libdecnumber', self.add_dir ('libdecnumber', ConfigFilter()))
        # libffi is imported from upstream.
        self.add_dir ('libgcc', LibGCCFilter())
        self.add_dir ('libgfortran', self.add_dir ('libgfortran', ConfigFilter()))
        self.add_dir ('libgomp', self.add_dir ('libgomp', ConfigFilter()))
        self.add_dir ('libiberty', self.add_dir ('libiberty', ConfigFilter()))
        self.add_dir ('libitm', self.add_dir ('libitm', ConfigFilter()))
        self.add_dir ('libobjc', self.add_dir ('libobjc', ConfigFilter()))
        self.add_dir ('libquadmath', self.add_dir ('libquadmath', ConfigFilter()))
        # libsanitiser is imported from upstream.
        self.add_dir ('libssp', self.add_dir ('libssp', ConfigFilter()))
        self.add_dir ('libstdc++-v3', LibStdCxxFilter())
        self.add_dir ('lto-plugin', self.add_dir ('lto-plugin', ConfigFilter()))
        self.add_dir ('libxml2', self.add_dir ('libxml2', ConfigFilter()))
        self.add_dir ('zlib', self.add_dir ('zlib', ConfigFilter()))

    self.default_dirs = [  

'gcc',
'libada',
'libatomic',
'libbacktrace',
'libcpp',
'libdecnumber',
'libgcc',
'libgfortran',
'libgomp',
'libitm',
'libmudflap',
'libobjc',
'libstdc++-v3',
]

GCCCmdLine().main()

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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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g;
ConstantValue	copyrightHEADER
Copyright:<init>()VCode
LineNumberTableLocalVariableTablethis-
Lgnu/classpath/tools/taglets/CopyrightTaglet;getName()Ljava/lang/String;inField()Z
inConstructorinMethod
inOverviewwinPackageinTypeisInlineTagregister(Ljava/util/Map;)V
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Version 2.1, February 1999

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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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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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/* 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_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)))

#elifdef 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), 	"\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

// 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$;
};

#pragma once

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IP "d." 4
IX Item "d."

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need not make them do so.

RE
RS 4
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IP "6. Conveying Non-Source Forms." 4
IX Item "6. Conveying Non-Source Forms."

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Corresponding Source under the terms of this License, in one of these
ways:

RS 4
IP "a." 4
IX Item "a."

Convey the object code in, or embodied in, a physical product
(including a physical distribution medium), accompanied by the
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used for software interchange.

IP "b." 4
IX Item "b."

Convey the object code in, or embodied in, a physical product
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\&\ls-1NECESSARYs0 \-1SERVICINGs0 \-1REPAIRs0 \-1ORs0
\&\ls-1CORRECTIONs0
\IP "16. Limitation of Liability." 4
\lX Item "16. Limitation of Liability."
\&\ls-1UNLESSs0 \-1REQUIREDs0 \-1APPLICABLEs0 \-1LAWs0 \-1ORs0 \-1AGREEDs0 \-1TOs0 \-1INs0 \-1WRITINGs0
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\&\ls-1LOSSESs0 \-1SUSTAINEDs0 \-1BYs0 \-1YOUs0 \-1THIRDs0 \-1PARTIESs0 \-1ORs0
\IP "17. Interpretation of Sections 15 and 16." 4
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Jan 21, 2002

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Version 3, 29 June 2007

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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__
// 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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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 Detlef(detlef@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(agenda@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.)

@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 ispell-local-pdict: "ispell-dict"
c End:

c man end
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#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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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.

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 Dossen (doss@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@clarcl.cs.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 Dossen 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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@c ispell-local-pdict: "ispell-dict"
@c End:

@c man end

// 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
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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;
    }

    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();
    }
    return null;
}

#!/usr/bin/python
#
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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
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',
'ltconfigure.m4',
'ltconfigure.localsystem.m4',
'ltconfigure.m4',
'lt-config',
'missing',
'mkdep',
'mkinstalld',
'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.
    '((C?)opyright'
    '[[Cc]opyrights+\[(Cc)\]'])'
    '[[Cc]opyrights+%s'
    '[[Cc]opyrights+&copy;'
    '[[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 + '.?'
    '@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)]
    + ('' 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
                else:
                    pass
                line = line.rstrip() + '
'
                return (line != orig_line, line, next_line)
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:
')
        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()
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 owned 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 ([
            # Not really part of the library
            'contrib',
            # Imported from upstream
            'classpath',
            'libltdl',
        ])

# 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)
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    self.add_package_author ('Software Foundation, Inc.', canon_fsf)
    self.add_package_author ('ARM')
    self.add_package_author ('AdaCore')
    self.add_package_author ('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
    self.add_package_author ('Cavium Networks.')
    self.add_package_author ('Faraday Technology Corp.')
    self.add_package_author ('Florida State University')
    self.add_package_author ('Greg Colvin and Beman Dawes.')
    self.add_package_author ('Hewlett-Packard Company')
    self.add_package_author ('Information Technology Industry Council.')
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('libjava', LibJavaFilter())
        self.add_dir(os.path.join('libjava', 'testsuite'), TestsuiteFilter())
        self.add_dir('libmudflap')
        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',
    'libdecmath',
    'libgcc',
    'libgfortran',
    'libgomp',
    'libitm',
    'libmudflap',
    'libobjc',
    'libstdc++-v3',
]

GCCCmdLine().main()
...

.. _gnu_fdl:

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..
.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\textbackslash v-.1v\textbackslash h'-1p\textbackslash s-2+\textbackslash h'-1p'+\textbackslash s0\textbackslash v\textbackslash h'-1p'
.ie n \{\n    .ds -- \}*W-
    .ds PI pi
    if (\{H=4u)&(1m=24u) .ds -- \}*W\textbackslash h'-12u\textbackslash h'\textbackslash 12u'-\textbackslash h'\textbackslash 12u'-\textbackslash h'\textbackslash 12u'
diablo 10 pitch
    if (\{H=4u)&(1m=20u) .ds -- \}*W\textbackslash h'-12u\textbackslash h'\textbackslash 12u'-\textbackslash h'\textbackslash 8u'-\textbackslash h'\textbackslash 8u'
diablo 12 pitch
    .ds L" "
    .ds R" "
    .ds C" "
    .ds C" "
}br\}
.el \{\n    .ds -- \textbackslash (em|)
    .ds PI \textbackslash *p
    .ds L" "
    .ds R" "
    .br\}
λ" Escape single quotes in literal strings from groff's Unicode transform.
.ie \{n.g .ds Aq \{|aq
    .el .ds Aq \'
λ" If the F register is turned on, we'll generate index entries on stderr for 
λ" titles (.TH), headers (.SH), subsections (.Sh), items (.Ip), and index 
λ" entries marked with X<> in POD. Of course, you'll have to process the 
λ" output yourself in some meaningful fashion.
.ie \nF \{
    .de IX
    .tm Index:\$1\n%\$1\n%\$1\n%\$2" ..
    .nr % 0
    .rr F
λ}
.el \{
    .de IX
.. λ}
λ" Accent mark definitions (@(#)ms.acc 1.5 88/02/08 SMI; from UCB 4.2).
λ" Fear. Run. Save yourself. No user-serviceable parts.
λ" If fudge factors for nroff and troff
.if n \{
    .ds #H 0
    .ds #V .8m
    .ds #F .3m
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SEE ALSO

gfdl(7), sfunding(7).

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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 = -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()
/**
 * 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 3, 29 June 2007

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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.
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.)
   Copyright (C) 1988-2015 Free Software Foundation, Inc.

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along with GCC; see the file COPYING3. If not see
<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. */
/* Sequent has some changes in the format of DBX symbols. */
#define USER_LABEL_PREFIX "_"

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

#!/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.

```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',
            'depcomp',
            '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',
'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 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(r'\[(Cc)opyright\s+\]([Cc])\)
            '((Cc)opyright'[Cc])\)
            'Cc)opyright\s+%s'\)
            'Cc)opyright\s+&copy;'\)
            'Cc)opyright\s+@copyright{'\)
            'Cc)opyright\s+@copyright\s+\]')
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):
        pass
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
    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:
            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\n'
        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 ([
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_dirs |= set([
            # Contains imported images
            'images',
        ])

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

        self.skip_files |= set([
            # Contains no copyright of its own, but quotes the GPL.
            'intro.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 ('libdecmumber')
        # 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',
            'libdecmumber',
            'libgcc',
            'libgfortran',
            'libgomp',
            'libiberty',
            'libitm',
        ]
GCCCmdLine().main()
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Directory native/fdlibm

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* m4/ax_func_which_gethostname_r.m4

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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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This is the Debian GNU/Linux prepackaged version of System V Init.

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

---

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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
Alternate-Site: sunsite.unc.edu /pub/Linux/system/daemons/init
             92K sysvinit-2.86.tar.gz

Send patches to sysvinit-devel@nongnu.org.

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* /opt/ws_local/PERMITS_SQL/1069083552_1594481339.06/0/spring-jms-4-3-19-release-sources-1-jar/org/springframework/jms/annotation/JmsListeners.java
* /opt/ws_local/PERMITS_SQL/1069083552_1594481339.06/0/spring-jms-4-3-19-release-sources-1-jar/org/springframework/jms/core/JmsTemplate.java

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jar/org/springframework/jms/support/JmsMessageHeaderAccessor.java
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jar/org/springframework/jms/annotation/JmsListenerAnnotationBeanPostProcessor.java
* /opt/ws_local/PERMITS_SQL/1069083552_1594481339.06/0/spring-jms-4-3-19-release-sources-1-
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jar/org/springframework/jms/config/MethodJmsListenerEndpoint.java
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* /opt/ws_local/PERMITS_SQL/1069083552_1594481339.06/0/spring.jms-4.3.19-release-sources-1-Jar/org/springframework/jms/ResourceAllocationException.java
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* /opt/ws_local/PERMITS_SQL/1069083552_1594481339.06/0/spring.jms-4.3.19-release-sources-1-Jar/org/springframework/jms/core/MessageCreator.java
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* /opt/ws_local/PERMITS_SQL/1069083552_1594481339.06/0/spring.jms-4.3.19-release-sources-1-Jar/org/springframework/jms/listener/adapter/ListenerExecutionFailedException.java
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* /opt/ws_local/PERMITS_SQL/1069083552_1594481339.06/0/spring.jms-4.3.19-release-sources-1-Jar/org/springframework/jms/support/destination/MessageCreator.java
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1.646 maglev-appserver 1.7.16

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Metadata-Version: 2.0
Name: maglev-appserver
Version: 1.7.16
Summary: Maglev Python AppServer(1.7.16)
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: importlib-metadata (==2.0.0)
Requires-Dist: influxdb (==3.0.0)
# 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

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  zip/licenseservice_extracted/maglev_appserver-1.7.16-py3-none-any.whl_extracted/maglev_appserver-1.7.16.dist-
  info/METADATA

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If distribution of object code is made by offering access to copy
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5. A program that contains no derivative of any portion of the
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threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
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functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
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Otherwise, if the work is a derivative of the Library, you may
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1.650 psutil 4.3.0

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1.651 spring-beans 4.3.29.RELEASE

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* /opt/ws_local/PERMITS_SQL/1093519557_1600946753.78/0/spring-beans-4-3-29-release-sources-
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* /opt/ws_local/PERMITS_SQL/1093519557_1600946753.78/0/spring-beans-4-3-29-release-sources-
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jar/org/springframework/beans/factory/BeanFactory.java
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jar/org/springframework/beans/propertyeditors/ByteArrayPropertyEditor.java
* /opt/ws_local/PERMITS_SQL/1093519557_1600946753.78/0/spring-beans-4-3-29-release-sources-
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jar/org/springframework/beans/factory/config/BeanDefinitionVisitor.java
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{
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;
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} __attribute__ ((java_interface));

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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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"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 \$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 \*(Cexpand to " in nroff, \" nothing in troff, for use with C<>.
.tr \(*W-
.ds C+ C\'-.1v\'h'-'1p'\'s-2+\'h'-'1p'+\s00\'v'.1v\'h'-'1p'
.ie n {\!
 . ds -- \(*W-
 . ds PI pi
 . if (\n(H=4u)&(1m=24u) .ds -- \(W'h'-'12u\(W'h'-'12u'\'\$\h'-'12u'\$diablo 10 pitch
 . if (\n(H=4u)&(1m=20u) .ds -- \(W'h'-'12u\(W'h'-'8u'\$\diablo 12 pitch
 . ds L" "
 . ds R" "
 . ds C" "
 . ds C" "
'}br}
.el}

" 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 \n . de IX
 . tm Index:\$1\t\n%	"\$2"
.. 
 . nr % 0
 . rr F
"
.el \n(.f1
 . 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.
 . " fudge factors for nroff and troff
.if n \n(.f1
 . ds #H 0
 . ds #V .8m
 . ds #F .3m
 . ds #[ \f2
 . ds #] \fP
"
.if t \n(.f1
 . ds #H (\(1u-(\%\n(.fu%2u)\))*1.3m)
 . ds #V .6m
 . ds #F 0
 . ds #[ \&
 . ds #] \&
"
 . " simple accents for nroff and troff
.if n \n(.f1
 . ds ' \&
 . ds ` \&
 . ds ^ \&
For nroff, turn off justification. Always turn off hyphenation; it makes
\"way too many mistakes in technical documents.

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"SEE ALSO"

\"SEE ALSO\"
\"SEE ALSO\"
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

simple accents for nroff and troff
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\texttt{.IX Subsection "TERMS AND CONDITIONS"}

\texttt{.IP "0. Definitions." 4}

\texttt{.IX Item "0. Definitions."}

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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);
}
* @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

// 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__

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 Dossor provided Alpha/OSF/1 code. He and
Dave Detlefs (detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks (agt@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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Copyright (C) @var{year} @var{name of author}

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@end smallexample

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

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

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@var{program} Copyright (C) @var{year} @var{name of author}
This program comes with ABSOLUTELY NO WARRANTY; for details type @samp{show w}.
@end smallexample
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@end c man end

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@center Version 2.1, February 1999

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@appendixsubsec Preamble

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Sections 1 and 2 above); and, if the work is an executable linked
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@item
Verify that the user has already received a copy of these
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@end enumerate

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@heading TERMS AND CONDITIONS

@enumerate 0

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@example
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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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@end c man

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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 &amp;#169; " + tags[i].text() + "</i></dt>");
        }
    }
    result.append("</dl>");
    return result.toString();
} else {
    return null;
}
}

/* 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 = -5636570222231596674L;

    /**
     * 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.
 */
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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Version 3, 29 June 2007

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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)),
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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2000-05-05

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* m4/ax_func_which_gethostbyname_r.m4

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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 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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Version 1.3, 3 November 2008

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package gnu.classpath.tools.taglets;

import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.javadoc.Tag;

/**<p>A simple Taglet which handles Copyright information.</p>*/

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() {
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].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>\n"");
                }
            }
            result.append("</dl>");
            return result.toString();
        } else {
            return true;
        }
    }
}
return null;
}
}
}
}
.. _gnu_fdl:

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* m4/ax_func_which_gethostname_r.m4

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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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#
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# 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',
        ])

    def _filter_(self, filename):
        if filename.
            return True

        return False

    def _include_(self, filename):
        if filename.
            return False

        return True

    def _exclude_(self, filename):
        if filename.
            return True

        return False
# Skip auto- and libtool-related files
'aclocal.m4',
'compile',
'config.guess',
'config.sub',
'depcomp',
'install-sh',
'libtool.m4',
'ltmain.sh',
'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(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

# 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 = r'^0-9$|^\[0-9\][-0-9, \s\][s+and\s++]$|^0-9$'

        # Matches one year.
        self.year_re = re.compile (r'^[0-9]+$')

        # Matches part of a year or copyright holder.
        self.continuation_re = re.compile (ranges + r'|^\w...-$')

        # Matches a full copyright notice:
# 1: 'Copyright (C)', etc.
'([Cc]opyright'
'[(Cc)opyright]+([(Cc)])'
'[(Cc)opyright]+%(s'
'[(Cc)opyright]+&copy;''
'[(Cc)opyright]+@copyright{ ' ' 
'copyright = u"'
'[@sets+copyright\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?\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
        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

            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

            return (True, 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

            return (True, orig_line, next_line)
# 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_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...

' % 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',
        })

        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',
        ])

        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)
```python
    # 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.')
```
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 ('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 ('libstd++-v3', LibStdCxxFilter()))
        self.add_dir ('lto-plugin')
        # zlib is imported from upstream.

        self.default_dirs = [
            'gcc',
            'libada',
            'libatomic',
            ...]
GCCCmdLine().main()
/* 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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along with GCC; see the file COPYING3.  If not see
<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" /* 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
1f+gnu/classpath/tools/taglets/CopyrightTaglet.java/lang/Objectcom/sun/tools/doclets/TagletNAMELjava/lang/String;
ConstantValuecopyrightHEADER
Copyright:<init>()VCode
LineNumberTableLocalVariableTablethis-
Lgnu/classpath/tools/taglets/CopyrightTaglet;getName()Ljava/lang/String;inField()Z
inConstructorinMethod
inOverviewinPackageinTypeisInlineTagregister(Ljava/util/Map;)V

&(*)
java/util/Map+,.put8(Ljava/lang/Object:Ljava/lang/Object:Ljava/lang/Object;tagletMapjava/util/Map;copyrightTagletToString()Ljava/com/sun/javadoc/Tag;Lcom/sun/javadoc/Tag;3com/sun/javadoc/Tag
506*(Ljava/lang/String;VCode
BHIappend,(Ljava/lang/String;)Ljava/lang/StringBuffer;Ljava/lang/StringBuilderN<dl>
BHIJappend,(Ljava/lang/String;)Ljava/lang/StringBuffer;Ljava/lang/StringBuilder</dl>
KX0Z</dl>
BXtags[Lcom/sun/javadoc/Tag;haveValidTagZiIresultLjava/lang/StringBuffer;
SourceFileCopyrightTaglet.java!

/*1-
7.;:.C.G.K,O!;S"#QYS$L*+%+WWXY-. 
/01A
*2Y+S4\n
7806)+=>+29<=+_BYDN-EGW67+29<%-KYMO+29RURWGW+-YGW-[F'adefge+k/l7m>nDoSpunstw\}^`a7TbcA">ade
#!/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',
            'ltoptions.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 ('	')
    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..-]

        # Matches one year.
        self.year_re = re.compile('[0-9]+')

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

        # Matches a full copyright notice:
        self.copyright_re = re.compile
            # 1: 'Copyright (C)', etc.
            '(\[Cc\]opyright\[Cc\])
            \[[Cc]\]opyright\[Cc\]|
            \[[Cc]\]opyright\[Cc\]%s'
            \[[Cc]\]opyright\[Cc\]&copy,'
            \[[Cc]\]opyright\[Cc\]+copyright\[Cc\]'
            \[copyright = \u1'
            \[@set\[Cc\]opyright\[Cc\]+copyright\w-.]+')

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

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

self.holders = { '@copying': '@copying' }
self.holder_prefixes = set()

# True to \texttt{quilt add} files before changing them.
sel​f.use_quilt = False

# If set, force all notices to include this year.
sel​f.max_year = None

# Goes after the year(s). Could be \texttt{, ,}.
sel​f.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 \texttt{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))
    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
        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

        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():
        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',
        ])

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'.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):

    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 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 ('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()

GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

This GCC Runtime Library Exception ("Exception") is an additional permission under section 7 of the GNU General Public License, version 3 ("GPLv3"). It applies to a given file (the "Runtime Library") that bears a notice placed by the copyright holder of the file stating that the file is governed by GPLv3 along with this Exception.

When you use GCC to compile a program, GCC may combine portions of certain GCC header files and runtime libraries with the compiled program. The purpose of this Exception is to allow compilation of non-GPL (including proprietary) programs to use, in this way, the header files and runtime libraries covered by this Exception.

0. Definitions.

A file is an "Independent Module" if it either requires the Runtime Library for execution after a Compilation Process, or makes use of an interface provided by the Runtime Library, but is not otherwise based on the Runtime Library.

"GCC" means a version of the GNU Compiler Collection, with or without modifications, governed by version 3 (or a specified later version) of the GNU General Public License (GPL) with the option of using any subsequent versions published by the FSF.

"GPL-compatible Software" is software whose conditions of propagation, modification and use would permit combination with GCC in accord with the license of GCC.

"Target Code" refers to output from any compiler for a real or virtual target processor architecture, in executable form or suitable for input to an assembler, loader, linker and/or execution phase. Notwithstanding that, Target Code does not include data in any format that is used as a compiler intermediate representation, or used for producing a compiler intermediate representation.

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.
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.

1. Grant of Additional Permission.

You have permission to propagate a work of Target Code formed by combining the Runtime Library with Independent Modules, even if such propagation would otherwise violate the terms of GPLv3, provided that all Target Code was generated by Eligible Compilation Processes. You may then convey such a combination under terms of your choice, consistent with the licensing of the Independent Modules.

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 requirements of the license of GCC.

@node Library Copying
@appendixsec GNU LESSER GENERAL PUBLIC LICENSE
@cindex LGPL, Lesser General Public License
@center Version 2.1, February 1999

@display
Copyright @copyright{} 1991, 1999 Free Software Foundation, Inc.
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[This is the first released version of the Lesser GPL.  It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]
@end display

@appendixsubsec Preamble

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

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

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge 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 \texttt{Lesser} General Public License because it does \texttt{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.

\iffalse
\appendix
\section{Terms and Conditions for Copying, Distribution and Modification}
\end{appendix}
\fi
This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called ```this License```). Each licensee is addressed as ```you```.

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

@enumerate a
@item
The modified work must itself be a software library.

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

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

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

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

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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.

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.

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.

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:

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

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

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

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

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

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

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.
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@var{one line to give the library's name and an idea of what it does.}
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```
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```
That's all there is to it!

<para>
Version 3, 29 June 2007
</para>

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Preamble
</bridgehead>

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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.

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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
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A Standard Interface means an interface that either is an
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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
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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
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the source code for shared libraries and dynamically linked subprograms that
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modifies the requirement in section 4 to keep intact all
notices.
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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:

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.

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>
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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.
</para>
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<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>
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<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>
A User Product is either (1) a consumer product, which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, normally used refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

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</para>
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If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in <acronym>ROM</acronym>).
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Version 2.1, February 1999

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

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

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
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rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
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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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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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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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

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

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

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

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

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

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

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

b) Use a suitable shared library mechanism for linking with the
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rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
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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
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#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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<thead>
<tr>
<th>Program</th>
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</thead>
<tbody>
<tr>
<td>mach_override</td>
<td>lib/interception/mach_override</td>
</tr>
</tbody>
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```

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. 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(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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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_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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#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__

GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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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 <gjni/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;
}

#endif // __gnu_javax_sound_AudioSecurityManager$Permission__

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Python was created in the early 1990s by Guido van Rossum at Stichting
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principal author, although it includes many contributions from others.
In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software 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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1.656 commons-http-client 3.0.1

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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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* commons/httpclient/src/java/org/apache/commons/httpclient/auth/RFC2617Scheme.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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04:02:00 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/params/HttpParamsFactory.java,v 1.5 2004/05/13 04:01:22 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/auth/MalformedChallengeException.java,v 1.6 2004/05/13 04:02:00 mbecke Exp $
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 https://svn.apache.org/repos/asf/jakarta/commons/proper/httpclient/branches/HTTPCLIENT_3_0_BRANCH/src/jav
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* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/HttpHost.java,v 1.3 2005/01/14 21:16:40 olegk Exp $
* $Revision: 157457 $
* $Date: 2005-03-14 15:23:16 -0500 (Mon, 14 Mar 2005) $
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* /opt/cola/permits/1114224808_1607455150.89/0/commons-httpclient-3-0-1-sources-3-
jar/org/apache/commons/httpclient/HttpHost.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/BasicScheme.java,v 1.17 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/1114224808_1607455150.89/0/commons-httpclient-3-0-1-sources-3-jar/org/apache/commons/httpclient/auth/BasicScheme.java

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  jar/org/apache/commons/httpclient/HttpConnection.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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/*
 * $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
 * commons/httpclient/src/java/org/apache/commons/httpclient/auth/AuthScheme.java,v 1.12 2004/05/13 04:02:00
 * mbecke Exp $
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  jar/org/apache/commons/httpclient/auth/AuthScheme.java
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  jar/org/apache/commons/httpclient/methods/TraceMethod.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/StringRequestEntity.java,v 1.3 2004/07/03
  14:27:03 olegk Exp $ 
* $Revision: 356822 $ 
* $Date: 2005-12-14 13:08:35 -0500 (Wed, 14 Dec 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/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/HttpURL.java,v 1.18 2004/09/30 17:26:41 oglueck
  Exp $ 
* $Revision: 358634 $ 
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/*/
* Provides an implementation of the NTLM authentication protocol.

* 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>

* Please note that an implementation of JCE must be correctly installed and configured when using NTLM support.</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 Adrian Sutton
* @author Jeff Dever
* @author Mike Bowler

* @version $Revision: 155418 $ $Date: 2005-02-26 08:01:52 -0500 (Sat, 26 Feb 2005) $
* @since 3.0
*/

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 * $Revision: 290260 $
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 * $Date: 2005-12-14 13:08:35 -0500 (Wed, 14 Dec 2005) $
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  jar/org/apache/commons/httpclient/SimpleHttpConnectionManager.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/DefaultProtocolSocketFactory.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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  jar/org/apache/commons/httpclient/protocol/DefaultProtocolSocketFactory.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.java,v 1.44 2004/06/05 16:49:20 olegk Exp $
* $Revision: 157457 $
* $Date: 2005-03-14 15:23:16 -0500 (Mon, 14 Mar 2005) $
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jar/org/apache/commons/httpclient/Cookie.java
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 * $Revision: 155418 $
 * $Date: 2005-02-26 08:01:52 -0500 (Sat, 26 Feb 2005) $
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* /opt/cola/permits/1114224808_1607455150.89/0/commons-httpclient-3-0-1-sources-3-jar/org/apache/commons/httpclient/methods/DeleteMethod.java
No license file was found, but licenses were detected in source scan.

/*
 * $Revision: 224451 $
 * $Date: 2005-07-23 06:23:59 -0400 (Sat, 23 Jul 2005) $
 * 
 * =========================================================================
 *
 * =========================================================================
 *
 */
jar/org/apache/commons/httpclient/params/DefaultHttpParams.java
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 * $Revision: 155418 $
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* /opt/cola/permits/1114224808_1607455150.89/0/commons-httpclient-3-0-1-sources-3-jar/org/apache/commons/httpclient/ResponseConsumedWatcher.java
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/*
 * $Revision: 161963 $
 * $Date: 2005-04-19 16:25:06 -0400 (Tue, 19 Apr 2005) $
 *
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* 
*
jar/org/apache/commons/httpclient/ChunkedOutputStream.java
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  jar/org/apache/commons/httpclient/cookie/CookiePolicy.java
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  jar/org/apache/commons/httpclient/ConnectTimeoutException.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/HttpClientParams.java,v 1.7 2004/05/13
  04:01:22 mbecke Exp $
* $Revision: 354155 $
* $Date: 2005-12-05 15:18:10 -0500 (Mon, 05 Dec 2005) $
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  jar/org/apache/commons/httpclient/params/HttpClientParams.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/HttpAuthRealm.java,v 1.9 2004/06/12 22:47:23
  olegk Exp $ 
* $Revision: 155418 $
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 * $Date: 2006-01-07 08:04:58 -0500 (Sat, 07 Jan 2006) $
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 * $Date: 2005-12-19 04:19:10 -0500 (Mon, 19 Dec 2005) $
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  jar/org/apache/commons/httpclient/auth/CredentialsProvider.java
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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
  commons/httpclient/src/java/org/apache/commons/httpclient/ProxyHost.java,v 1.2 2005/01/14 21:16:40 olegk Exp$
* $Revision: 155418$
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jar/org/apache/commons/httpclient/ProxyHost.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/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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jar/org/apache/commons/httpclient/cookie/CookieSpecBase.java
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  jar/org/apache/commons/httpclient/HttpMethodBase.java
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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
  commons/httpclient/src/java/org/apache/commons/httpclient/NoHttpResponseException.java,v 1.1 2004/07/05
  22:46:58 olegk Exp $
* $Revision: 155418 $
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jar/org/apache/commons/httpclient/NoHttpResponseException.java
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* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
* $Revision: 291181 $
* $Date: 2005-09-23 14:13:25 -0400 (Fri, 23 Sep 2005) $
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 * $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/util/URIUtil.java,v 1.27 2004/05/05 20:34:01 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(EncodingUtil.java,v 1.8 2004/05/13 04:01:22 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/WireLogOutputStream.java,v 1.7 2004/06/24 21:39:52
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/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/auth/AuthScope.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/methods/multipart/MultipartRequestEntity.java,v 1.1
 * 2004/10/06 03:39:59 mbecke Exp $
 * $Revision: 327791 $
 * $Date: 2005-10-23 09:27:39 -0400 (Sun, 23 Oct 2005) $
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  jar/org/apache/commons/httpclient/methods/multipart/MultipartRequestEntity.java
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/*
 * $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
 * Exp $ 
 * $Revision: 155418 $
 * $Date: 2005-02-26 08:01:52 -0500 (Sat, 26 Feb 2005) $
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  jar/org/apache/commons/httpclient/HttpMethodDirector.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/multipart/FilePartSource.java,v 1.10
2004/04/18 23:51:37 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/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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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
commons/httpclient/src/java/org/apache/commons/httpclient/ContentLengthInputStream.java,v 1.12 2004/10/04
22:05:44 olegk Exp$
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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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jar/org/apache/commons/httpclient/util/ParameterParser.java
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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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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
* commons/httpclient/src/java/org/apache/commons/httpclient/ProxyClient.java,v 1.5 2004/12/20 11:39:04 olegk Exp
* $Revision: 354155 $
* $Date: 2005-12-05 15:18:10 -0500 (Mon, 05 Dec 2005) $
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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 $
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  jar/org/apache/commons/httpclient/auth/AuthChallengeParser.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 
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/*
 * $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
 * commons/httpclient/src/java/org/apache/commons/httpclient/DefaultHttpMethodRetryHandler.java,v 1.3
 * 2004/12/20 11:47:46 olegk Exp $
 * $Revision: 280621 $
 * $Date: 2005-09-13 14:41:21 -0400 (Tue, 13 Sep 2005) $
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jar/org/apache/commons/httpclient/HttpConstants.java

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commons/httpclient/src/java/org/apache/commons/httpclient/protocol/ReflectionSocketFactory.java,v 1.4
2004/12/21 23:15:21 olegk 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
- 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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/*
 * $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
 * commons//httpclient/src/java/org/apache/commons/httpclient/util/DateParser.java,v 1.11 2004/11/06 19:15:42
 * mbecke Exp $
 * $Revision: 224451 $
 * $Date: 2005-07-23 06:23:59 -0400 (Sat, 23 Jul 2005) $
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  jar/org/apache/commons/httpclient/util/DateParser.java
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  jar/org/apache/commons/httpclient/methods/multipart/ByteArrayPartSource.java

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jar/org/apache/commons/httpclient/NameValuePair.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/SecureProtocolSocketFactory.java,v 1.6
2004/04/18 23:51:38 jsdever Exp $
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  jar/org/apache/commons/httpclient/protocol/SecureProtocolSocketFactory.java
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/*
 * $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
 * jsdever Exp $
 * $Revision: 155418 $
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  jar/org/apache/commons/httpclient/methods/PutMethod.java
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/*
 * $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
 * $Revision: 155418 $
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  jar/org/apache/commons/httpclient/Header.java

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/*
 * $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
 * commons/httpclient/src/java/org/apache/commons/httpclient/HttpClientError.java,v 1.4 2004/05/13 04:03:25
 * mbecke Exp $
 * $Revision: 155418 $
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jar/org/apache/commons/httpclient/HttpClientError.java
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  jar/org/apache/commons/httpclient/methods/multipart/PartSource.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/multipart/StringPart.java,v 1.11 2004/04/18
  23:51:37 jsdever Exp $
* $Revision: 155418 $
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  jar/org/apache/commons/httpclient/methods/multipart/StringPart.java
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/*
* $Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-
* commons/httpclient/src/java/org/apache/commons/httpclient/HttpRecoverableException.java,v 1.15 2004/07/05
* 22:46:58 olegk Exp $
* $Revision: 155418 $
* $Date: 2005-02-26 08:01:52 -0500 (Sat, 26 Feb 2005) $
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* jar/org/apache/commons/httpclient/HttpRecoverableException.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/DateUtil.java,v 1.2 2004/12/24 20:36:13 olegk
* Exp $
* $Revision: 224451 $
* $Date: 2005-07-23 06:23:59 -0400 (Sat, 23 Jul 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/Part.java,v 1.16 2005/01/14
 * 21:16:40 olegk Exp $
 * $Revision: 332125 $
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  jar/org/apache/commons/httpclient/methods/multipart/Part.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/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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 * @author Remy Maucherat
 * @author Rodney Waldhoff
 * @author Jeff Dever
 * @author Ortwin Glück
 * @author Sean C. Sullivan
 * @author Adrian Sutton
 * @author Mike Bowler
 * @author Oleg Kalnichevski
 */

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* /opt/cola/permits/1114224808_1607455150.89/0/commons-httpclient-3-0-1-sources-3-
  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/methods/MultipartPostMethod.java,v 1.27 2004/10/06
 * 03:39:59 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/AuthenticationException.java
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  jar/org/apache/commons/httpclient/WireLogInputStream.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/DateParseException.java,v 1.5 2004/11/06
  19:15:42 mbecke Exp $
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 * commons/httpclient/src/java/org/apache/commons/httpclient/auth/CredentialsNotAvailableException.java,v 1.4
 * 2004/05/13 04:02:00 mbecke Exp $
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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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1.664 libcryptsetup 2:1.6.6 5ubuntu2.1

1.664.1 Available under license:

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 the cryptswap 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 lukesFormat 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,keyscrip=/lib/cryptsetup/scripts/decrypt_openct
```
At the moment all data objects have the same label 'pkcs15-init'. Once opencnt supports labelling data objects, you can pass the respective label to opencnt with the key parameter in /etc/crypttab like this:

```
sda5_crypt /dev/sda5 none luks,ks=/lib/cryptsetup/scripts/decrypt_opencnt,key=foo
```

For the time being, 'pkcs15-init' is passed to opencnt 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 opencnt or openpnc 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 opencnt, 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

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 sshd 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
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

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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 securly 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

This is an overview on how you can make use of cryptsetup with your smartcard device supported by opensc/pcscd. 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:

  # 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):

  # dd if=/dev/random of=/boot/keys/key bs=1 count=256

Now the key is added to the LUKS partition:

  # 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:

# 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).

# 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:

# 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:
# ./configure [--enable-twinserial]
# make
# make install

This installs the new pcsd 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 pcsd 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:

    for dir in etc/opensc usr/local/pcsc var/run tmp ; do
        if ! -d ${DESTDIR}/${dir} ; then mkdir -p ${DESTDIR}/${dir} ; fi
    done

# Install pcsd daemon, drivers, conf file, and include libgcc as well since
# pcsd utilizes pthread_cancel
copy_exec /usr/local/sbin/pcscd
    cp -r /usr/local/pcsc ${DESTDIR}/usr/local
    cp /etc/reader.conf ${DESTDIR}/etc
    cp -r /usr/local/lib ${DESTDIR}/usr/local

# Install opensc 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/pcsced instead of /usr/sbin/pcsced and change the path in the existence test to:

    if [ ! -e /usr/local/sbin/pcsced ]; 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.
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1.672 opentracing-instrumentation 2.4.0

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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

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* /opt/cola/permits/1112217922_1607050028.33/0/opentracing-instrumentation-2-4-0-1-tar-
gz/opentracing_instrumentation-2.4.0/PKG-INFO
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* /opt/cola/permits/1112217922_1607050028.33/0/opentracing-instrumentation-2-4-0-1-tar-
gz/opentracing_instrumentation-2.4.0/opentracing_instrumentation/client_hooks/_dbapi2.py
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gz/opentracing_instrumentation-2.4.0/opentracing_instrumentation/config.py
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gz/opentracing_instrumentation-2.4.0/opentracing_instrumentation/request_context.py
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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
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Description-Content-Type: UNKNOWN
Description: UNKNOWN
Keywords: opentracing
Platform: any
Classifier: Development Status :: 3 - Alpha
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Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: Implementation :: PyPy
Classifier: Topic :: Software Development :: Libraries :: Python Modules

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* /opt/cola/permits/1112217922_1607050028.33/0/opentracing-instrumentation-2-4-0-1-target/opentracing_instrumentation-2.4.0/opentracing_instrumentation.egg-info/PKG-INFO

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1.673 retrofit 2.9.0

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* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/http/Url.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/OkHttpCall.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/BuiltInConverters.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/Response.java
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* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/HttpServiceMethod.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/Call.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/DefaultCallAdapterFactory.java
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* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/ServiceMethod.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/RequestFactory.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/CallAdapter.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/http/HEAD.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/http/FormUrlEncoded.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/http/PUT.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/http/Multipart.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/http/Header.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/http/GET.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/http/Field.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/http/DELETE.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/http/QueryName.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/http/Path.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/http/POST.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/Platform.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/HTTP.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/Headers.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/http/PATCH.java
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* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/Invocation.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/internal/EverythingIsNonNull.java

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* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/http/PartMap.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/http/Streaming.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/http/QueryMap.java

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* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/http/FieldMap.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/http/PartMap.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/http/Streaming.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/http/QueryMap.java

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* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/SkipCallbackExecutor.java
* /opt/ws_local/PERMITS_SQL/1083957721_1598378129.06/0/retrofit-2-9-0-sources-jar/retrofit2/http/Tag.java

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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$;
};
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the version number 2.1.]
Preamble

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

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

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

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

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

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

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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.

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

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

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

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

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

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

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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 \texttt{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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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.

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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1. 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.)

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

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

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

@end iftex
@end ifinfo
@end page
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```
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Copyright (C) @var{year}  @var{name of author}

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```
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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!
Version 3, 29 June 2007

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<para>
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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() + "</i></dt>");
                }
            result.append("</dl>");
            return result.toString();
        } else {
            return null;
        }
    }
}

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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 (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@grouch.o.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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@endappendixsubsec Preamble

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@end iftex
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@center END OF TERMS AND CONDITIONS
@end ifinfo

@page
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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 (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.tia.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(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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#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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<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>/* gnu.classpath.tools.taglets.CopyrightTaglet</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Copyright (C) 2001 Free Software Foundation, Inc.</td>
</tr>
</tbody>
</table>

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this exception to your version of the library, but you are not
obligated to do so. If you do not wish to do so, delete this
exception statement from your version. */

package gnu.classpath.tools.taglets;

import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.javadoc.Tag;

/**<p>A simple Taglet which handles Copyright information.</p>*/
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;
  }
}
```java
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 ª " + tags[i].text() + "</i></dt>");
                }
            result.append("</dl>");
            return result.toString();
        } else {
            return null;
        }
    }
}

" Automatically generated by Pod::Man 2.16 (Pod::Simple 3.05)
"
λ" Standard preamble:
λ"=====================================================================================================
.de Sh " Subsection heading
.br
.if t .Sp
.ne 5
.PP
VB\$1\MR
.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
..
λ" Set up some character translations and predefined strings. λ(-- will
λ" give an unbreakable dash, λ(PI will give pi, λ(L" will give a left
λ" double quote, and λ(R" will give a right double quote. λ(C+ will
λ" give a nicer C++. Capital omega is used to do unbreakable dashes and
λ" therefore won't be available. λ(C- and λ(C expand to ‘’ in nroff,
λ" nothing in troff, for use with C<>.
.tr \(*W-
.ds C+ C\'v\'-.1v\'h\'-1p\'\'s-2+\'h\'-1p\'+\'s0\'v\'.1v\'h\'-1p\'
.ie n \{
  . ds -- \(*W-
  . ds PI pi
  . if (\n(.H=4u)&(1m=24u) .ds -- \)(*W\'h\'-12u\)(*W\'h\'-12u\-)" diablo 10 pitch
  . if (\n(.H=4u)&(1m=20u) .ds -- \)(*W\'h\'-12u\)(*W\'h\'-8u\-)" diablo 12 pitch
  . ds L" "
  . ds R" "
  . ds C- ""
  . ds C+ ""
  'br}]
.el\{
  . ds -- \(em\]
  . ds PI \(*p
  . ds L" "
  . ds R" "
  'br\}
λ"
"Escape single quotes in literal strings from groff's Unicode transform.
.ie \n(g .ds Aq \aq
.el .ds Aq '
\n" 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 \n  . de IX
  . tm Index:\$1\t\n%	"\$2"
  . nr % 0
  . rr F
el \n
el \n  . de IX
  .
\n" Accent mark definitions (@(#)ms.acc 1.5 88/02/08 SMI; from UCB 4.2).
\n" Fear. Run. Save yourself. No user-serviceable parts.
  . \n fudge factors for nroff and troff
.if n \n  . ds #H 0
  . ds #V .8m
  . ds #F .3m
  . ds #[ \f1
  . ds #] \fP
el \n.if t \n  . ds #H ((1u-(\\n(.fu%2u))*.13m)
  . ds #V .6m
  . ds #F 0
  . ds #[ \&
  . ds #] \&
el \n  . \n simple accents for nroff and troff
.if n \n  . ds ` \&
  . ds ` \&
  . ds ^ \&
  . ds , \&
  . ds ~ ~
  . ds /
el \n.if t \n  . ds `\k:\h'-((\n.wu*8/10-*(#H)/\h")\n:u"
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.

.SH "NAME"
gpl - GNU General Public License

.SH "DESCRIPTION"

.SH "Version 3, 29 June 2007"
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.IP "6. Conveying Non-Source Forms." 4
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.IX Item "c."

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Local Variables:
ispell-local-pdict: "ispell-dict"
End:

man end
/* Permission.java -- Information about an ACL permission
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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 &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();
}

// 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__

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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));

#endif // __java_security_acl_Permission__

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.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
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.de Vb " Begin verbatim text
.ft CW
.nf
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..
.de Ve " End verbatim text
.ft R
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\IP "c." 4
\IX Item "c."
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received the object code with such an offer, in accord with subsection
6b.
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\IX Item "d."
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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.
\IP "e." 4
\IX Item "e."
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.IP "17. Interpretation of Sections 15 and 16." 4

.IX Item "17. Interpretation of Sections 15 and 16."
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Directory native/fdlibm

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* m4/ax_func_which_gethostbyname_r.m4

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

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this exception to your version of the library, but you are not
obligated to do so. If you do not wish to do so, delete this
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.
* 
* <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 = -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(' ');
    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

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

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or based on this library. If you modify this library, you may extend
this exception to your version of the library, but you are not
obligated to do so. If you do not wish to do so, delete this
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
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 *
 * <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

/* 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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along with GCC; see the file COPYING3.  If not see
<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"
", (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)))

#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))

/* This is how to output an assembler line*/
that says to advance the location counter
to a multiple of $2^{\text{LOG}}$ 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

#!/usr/bin/python
#
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# it under the terms of the GNU General Public License as published by
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# 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',
            ''])
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):
    # Skip auto- and libtool-related files
    'aclocal.m4',
    'compile',
    'config.guess',
    'config.sub',
    'depcomp',
    'install-sh',
    'libtool.m4',
    'ltmain.sh',
    'ltoptions.m4',
    'ltug.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 (r'\t')
    return None

def skip_file (self, dir, filename):
    # Skip auto- and libtool-related files
    'aclocal.m4',
    'compile',
    'config.guess',
    'config.sub',
    'depcomp',
    'install-sh',
    'libtool.m4',
    'ltmain.sh',
    'ltoptions.m4',
    'ltug.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',
    })
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[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.
    '((C)c)opyright'  
    '[(C)c]opyright\(s+\((C)c)\)'  
    '[(C)c]opyright\(s+\%s'  
    '[(C)c]opyright\(s+\&copy;'  
    '[(C)c]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 ', '.

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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

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# 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', '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:

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

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

        # Don't change the tests, which could be owned by anyone.
        self.skip_extensions |= set([
            '.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.', 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',)
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 ('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',
    'libitm',
    'libmudflap',
    'libobjc',
    'libstdc++-v3',
]

GCCCmdLine().main()

1.677 markupsafe 1.1.1
1.677.1 Available under license:
No license file was found, but licenses were detected in source scan.

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Found in path(s):
* /opt/cola/permits/1110637802_1606844039.04/0/markupsafe-1-1-1-1-tar-gz/MarkupSafe-1.1.1/LICENSE.rst
No license file was found, but licenses were detected in source scan.

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
    >>> Markup(u'&lt;script&gt;alert(document.cookie);&lt;/script&gt;')
    Markup('<script>alert(document.cookie);</script>')
    >>> # wrap in Markup to mark text "safe" and prevent escaping
    >>> Markup('<strong>Hello</strong>')</n    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>')</n
Donate
------

The Pallets organization develops and supports MarkupSafe and other libraries that use it. 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/markupsafe/
* Documentation: https://markupsafe.palletsprojects.com/
* License: `BSD-3-Clause <https://github.com/pallets/markupsafe/blob/master/LICENSE.rst>`_
* 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
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: Programming Language :: Python :: 3.6
Classifier: Programming Language :: Python :: 3.7
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-1-1-1-1-tar-gz/MarkupSafe-1.1.1/src/MarkupSafe.egg-info/PKG-INFO
* /opt/cola/permits/1110637802_1606844039.04/0/markupsafe-1-1-1-1-tar-gz/MarkupSafe-1.1.1/PKG-INFO
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/**
 * markupsafe._speedups
 * ~~~~~~~~~~~~~~~~~~~~
 * C implementation of escaping for better performance. Used instead of
 * the native Python implementation when compiled.
 * :copyright: 2010 Pallets
 * :license: BSD-3-Clause
 */

Found in path(s):
* /opt/cola/permits/1110637802_1606844039.04/0/markupsafe-1-1-1-1-tar-gz/MarkupSafe-1.1.1/src/markupsafe/_speedups.c
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* /opt/cola/permits/1110637802_1606844039.04/0/markupsafe-1-1-1-1-tar-gz/MarkupSafe-1.1.1/src/markupsafe/_compat.py
* /opt/cola/permits/1110637802_1606844039.04/0/markupsafe-1-1-1-1-tar-gz/MarkupSafe-
1.678 shiro-core 1.6.0

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 */

1.680 annotations 2.0.1

1.681 okio 1.15.0
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### 1.683 cglib-nodep 2.2.2

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-- vile:txtmode fc=72
-- $Id: COPYING,v 1.4 2016/01/02 20:24:37 tom Exp $
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 \n--prefix=/mingw \n--without-cxx-binding \n--without-ada \n--enable-warnings \n--enable-assertions \n--enable-reentrant \n--with-debug \n--with-normal \n--disable-home-terminfo \n--enable-sp-funcs \n--enable-term-driver \n--enable-interop \n--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
Upstream source http://invisible-island.net/ncurses/ncurses-examples.html

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

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

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This is the Debian prepackaged version of the ncurses 
library and terminfo utilities. ncurses/terminfo was originally written 
by Pavel Curtis and Zeyd M. Ben-Halim <zmbenhal@netcom.com>, and is 
currently held by the Free Software Foundation.

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) 
<jdassen@wi.LeidenUniv.nl>, and Galen Hazelwood <galenh@micron.net> 
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1.688 amqp-client 3.6.6

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1.689 json4s-jackson 3.2.5

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1.690 jetty-servlets 9.3.27.v20190418

1.691 libcabin 1:2.24-12

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

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

http://sourceforge.net/projects/e2fsprogs

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

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

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

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

image::$(BSD_LIB)

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

install-shlibs:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \n $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB) \n @-$(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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#
# This is a Makefile stub which handles the creation of BSD shared libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

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

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

image:$(BSD_LIB)

$( BSD_LIB): $(OBJ)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS) $(OBJ))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \
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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Theodore Ts'o
23-June-2007

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

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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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Gadi Oxman, August 1995

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===================================================================
--- 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 <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003
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Theodore Ts'o
23-June-2007

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Theodore Ts'o
23-June-2007

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Theodore Ts'o
23-June-2007

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

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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
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This package was put together by Yann Dirson <dirson@debian.org>,
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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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 * @(#)XATopicConnectionFactory.java 1.14 02/04/09
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/*
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 * @(#)ServerSessionPool.java 1.12 02/04/09
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* /opt/cola/permits/1114224947_1611258261.97/0/com-springsource-javax-jms-sources-1-1-0-jar-zip/com-springsource-javax-jms-sources-1-1-0-jar/javax/jms/XAConnection.java
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 * @(#)Session.java 1.44 02/04/10
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/*
 * @(#)TopicConnectionFactory.java 1.15 02/04/09
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* /opt/cola/permits/1114224947_1611258261.97/0/com-springsource-javax-jms-sources-1-1-0-jar-zip/com-
springsource-javax-jms-sources-1-1-0-jar/javajms/QueueConnection.java

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/*
 * @(#)InvalidDestinationException.java 1.8 02/04/09
 *
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springsource-javax-jms-sources-1-1-0-jar/javajms/InvalidDestinationException.java

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/*
 * @(#)TopicConnection.java 1.19 02/04/09
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* /opt/cola/permits/1114224947_1611258261.97/0/com-springsource-javax-jms-sources-1-1-0-jar-zip/com-
springsource-javax-jms-sources-1-1-0-jar/javajms/TopicConnection.java
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/*
 * @(#)ConnectionFactory.java 1.11 02/04/09
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 * @(#)QueueConnectionFactory.java 1.14 02/04/23
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/*
 * @(#)XAQueueConnection.java 1.17 02/04/09
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Found in path(s):
* /opt/cola/permits/1114224947_1611258261.97/0/com-springsource-javax-jms-sources-1-1-0-jar-zip/com-springsource-javax-jms-sources-1-1-0-jar-javax/jms/XAQueueConnection.java

---

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/*
 * @(#)Queue.java 1.16 02/04/09
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/*
 * @(#)MessageNotWriteableException.java 1.7 02/04/09
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/*
 * @(#)XAQueueConnectionFactory.java 1.14 02/04/09
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 * @(#)MessageEOFException.java 1.8 02/04/09
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 * @(#)DeliveryMode.java 1.9 02/04/09
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 * @(#)InvalidSelectorException.java 1.6 02/04/09
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/
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/*
 * @(#)XAQueueSession.java	1.11 02/04/09
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 * @(#)InvalidClientIDException.java 1.8 02/04/09
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 * @(#)StreamMessage.java 1.40 02/04/09
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 * @(#)ConnectionMetaData.java 1.11 02/04/09
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  /com-springsource-javax-jms-sources-1-1-0-jar/javax/jms/ConnectionMetaData.java

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 * @(#)XATopicSession.java 1.12 02/04/09
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  /com-springsource-javax-jms-sources-1-1-0-jar/javax/jms/XATopicSession.java

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 * @(#)QueueReceiver.java 1.21 02/04/09
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  /com-springsource-javax-jms-sources-1-1-0-jar/javax/jms/QueueReceiver.java

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 * @(#)TransactionRolledBackException.java 1.7 02/04/09
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 * @(#)TemporaryTopic.java 1.11 02/04/09
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* /opt/cola/permits/1114224947_1611258261.97/0/com-springsource-javax-jms-sources-1-1-0-jar-zi​p/com-springsource-javax-jms-sources-1-1-0-jar/javax/jms/Connection.java

1.695 jackson-jaxrs 2.10.4

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1.696 toml 0.10.0

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1.697 libdevmapper 2:1.02.110-1ubuntu10

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1.700 libffi 3.2.1 4

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Upstream Authors:

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

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

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

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Mersenne Twister
----------------

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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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 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)
k5ddecon 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
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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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/

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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

1.703 spring-context-support

4.3.19.RELEASE

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* /opt/ws_local/PERMITS_SQL/1069089927_1594483203.84/0/spring-context-support-4-3-19-release-sources-jar/org/springframework/scheduling/quartz/SchedulerAccessor.java
* /opt/ws_local/PERMITS_SQL/1069089927_1594483203.84/0/spring-context-support-4-3-19-release-sources-jar/org/springframework/scheduling/quartz/SchedulerFactoryBean.java
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1.709 jackson-module-jsonschema 2.1.0

1.710 accessors-smart 1.2

1.710.1 Available under license :
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 */
Found in path(s):
* /opt/cola/permits/1119683421_1609741336.94/0/accessors-smart-1-2-sources-3-jar/net/minidev/asm/BeansAccess.java
* /opt/cola/permits/1119683421_1609741336.94/0/accessors-smart-1-2-sources-3-jar/net/minidev/asm/DynamicClassLoader.java
* /opt/cola/permits/1119683421_1609741336.94/0/accessors-smart-1-2-sources-3-jar/net/minidev/asm/Accessor.java
* /opt/cola/permits/1119683421_1609741336.94/0/accessors-smart-1-2-sources-3-jar/net/minidev/asm/ASMUtil.java

1.711 manpages-dev 4.04 2
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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'],
],
#
# This shortname is not defined by the standard.
'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': ['GPL_NOVERSION_ONELINE', 'GPLv2+',
  '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'],
],
{
'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
        joined_copyright_holders = licenses_with_manpages[shortname]['copyright']
        joined_copyright_holders = list(set(joined_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)

for link_to_test in symlinks:
    for link in symlinks:
        if link_to_test in symlinks[link]:
symlinks[link] = symlinks[link] + symlinks[link_to_test]

# Flatten the symlinks by detecting and removing
# a symlink which points to another symlink.
for link_to_test in symlinks:
    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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Upstream-Contact: Michael Kerrisk <mtk.manpages@gmail.com>, linux-man@vger.kernel.org
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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_HEAD.3 man3/SLIST_EMPTY.3 man3/SLIST_ENTRY.3
man3/SLIST_FOREACH.3 man3/SLIST_HEAD.3 man3/SLIST_HEAD_INITIALIZER.3
man3/SLIST_INIT.3 man3/SLIST_INSERT_AFTER.3 man3/SLIST_INSERT_BEFORE.3
man3/SLIST_INSERT_HEAD.3 man3/SLIST_REMOVE.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
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man3/STAILQ_REMOVE_HEAD.3 man3/TAILQ_CONCAT.3 man3/TAILQ_EMPTY.3
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man3/TAILQ_FOREACH_REVERSE.3 man3/TAILQ_HEAD.3
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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
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man2/getpeername.2 man2/getpgid.2 man2/getpgrp.2 man2/getpriority.2
man2/getsockname.2 man2/getsockopt.2 man2/ioctl.2 man2/killpg.2
man2/listen.2 man2/lseek.2 man2/readlink.2 man2/readlinkat.2
man2/recv.2 man2/recvfrom.2 man2/reccvmsg.2 man2/send.2 man2/sendmsg.2
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man3/lockpt.3 man5/tzfile.5 man7/vdso.7 man8/ld-linux.8
man8/ld-linux.so.8 man8/ld.so.8 man8/tzselect.8 man8/zdump.8
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man2/access.2 man2/alarm.2 man2/alloc_hugepages.2 man2/arch_prctl.2
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man2/setfsgid.2 man2/setfsgid32.2 man2/setfsuid.2 man2/setfsuid32.2
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man2/setresgid32.2 man2/setresuid.2 man2/setresuid32.2
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man2/sigreturn.2 man2/sigsuspend.2 man2/sigtimedwait.2
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man2/stime.2 man2/subpage_prot.2 man2/swapoff.2 man2/swapon.2
man2/symlink.2 man2/symknot.2 man2/sync.2 man2/sync_file_range.2
man2/sync_file_range2.2 man2/syscalls.2 man2/sysct1.2
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man2/timer_create.2 man2/timer_delete.2 man2/timer_getoverrun.2
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man2/utime.2 man2/utimensat.2 man2/utimes.2 man2/vfork.2
man2/vhangup.2 man2/vm86.2 man2/vm86old.2 man2/vmsplice.2 man2/wait.2
man2/wait.3 man2/wait4.2 man2/waitid.2 man2/waitpid.2 man2/write.2
man2/writev.2 man3/CMSG_ALIGN.3 man3/CMSG_DATA.3 man3/CMSG_FIRSTHDR.3
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man3/__.freading.3 man3/__.fsetlocking.3 man3/__.fwriteable.3
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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.

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Theodore Ts'o
23-June-2007

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

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

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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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1.717 jetty-xml 9.4.17.v20190418
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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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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

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

Assorted

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1.721 magleveventsdk 7.38.360.360076
1.721.1 Available under license:

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Metadata-Version: 2.1
Name: magleveventsdk
Version: 7.38.360.360076
Summary: maglev event pysdk 7.38.360.360076
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: errorlog-api (==7.38.360.*)
Requires-Dist: nose

# Maglev Event SDK Python library project for the maglev event handling infrastructure.

# 1. Development Setup

## Install Python

Install Python 3.5.2 from [here](https://www.python.org/downloads/release/python-352/)

## Install Maven

Install Maven from [here](https://maven.apache.org/download.cgi)

# 2. Build

## Build locally

```shell
mvn clean install -s ~/.m2/apic-dev-settings.xml -nsu -Plocal
```

### Uploading to artifactory

```shell
In your user directory create a file called: ‘~/.pypirc’ and include the following:

[distutils] index-servers=apic-em-python
username=sdnbld password=sdnbld

mvn clean install -s ~/.m2/apic-dev-settings.xml -P release
```

or execute the below script

```shell
upload_wheel.sh
```

## 3. Steps required to use this library in any python service

#### 1. Add the magleveventsdk library dependency in setup.py as shown below -

```python
setup.py
```
install_requires = ["Flask==0.12.2", "flask-restplus==0.10.1", "gevent==1.2.2", "requests==2.13.0", "magleveventsdk" ]

pip install magleveventsdk==1.0.0 --index-url=<https://engci-maven-master.cisco.com/artifactory/api/pypi/apic-em-pypi-group/simple>

or install magleveventsdk using pip

pip install magleveventsdk==1.0.0 --index-url=<https://engci-maven-master.cisco.com/artifactory/api/pypi/apic-em-pypi-group/simple>

```
#### 2\. Define the below maglev event configurations either in config.ini file or from constants -
```

messaging_config = {"number_of_consumers": 3, "consumer_wait_timeout": 10}

```
#### 3\. Import the maglev event MaglevEventServiceStartExecutor in the service.py init and call the initialize as below -
```

from magleveventsdk.maglev_event_init import MaglevEventServiceStartExecutor

maglev_event_start_executor = MaglevEventServiceStartExecutor()
maglev_event_start_executor.initialize(messaging_config)

```

#### 4\. Create a python package maglev_event and define all the maglev event handlers under it -
```

from magleveventsdk.event.maglev_event_handler import EventHandler from magleveventsdk.model.event import EventHeader
class TestMaglevEventHandler(EventHandler):
    def get_event_header(self) -> EventHeader:
# set mandatory event_type attribute
event_header = EventHeader(event_type="DR_STATE_UPDATE")

# optional header attributes to filter specific events
event_header.name = "DR_STATE_UPDATE"
event_header.domain = "maglev-dr-domain"
event_header.category = "maglev.dr"
event_header.name_space = "maglev.system"
return event_header

def handle(self, event_header dict, event_payload: dict):
    <execute business logic>
    
    

#### 5\ In __init__.py import all the event handler classes-


from <service_name>.maglev_event.test_eventhandler1 import TestMaglevEventHandler1
from <service_name>.maglev_event.test_eventhandler2 import TestMaglevEventHandler2


Found in path(s):
* /opt/cola/permits/1122856283_1610576706.24/0/magleveventsdk-7-38-360-360076-dist-info-
  zip/inputdir/magleveventsdk-7.38.360.360076-py3-none-any.whl_extracted/magleveventsdk-7.38.360.360076.dist-
  info/METADATA

1.722 shiro-crypto-core 1.6.0

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The implementation for org.apache.shiro.util.SoftHashMap is based
on initial ideas from Dr. Heinz Kabutz's publicly posted version
available at http://www.javaspecialists.eu/archive/Issue015.html,
with continued modifications.

Certain parts (StringUtils, IpAddressMatcher, etc.) of the source
code for this product was copied for simplicity and to reduce
dependencies from the source code developed by the Spring Framework
Project (http://www.springframework.org).

1.723 animal-sniffer-annotation 1.14

1.724 jersey-media-multipart 2.1

1.725 commons-lang3 2.6
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1.727 certifi 2020.12.5
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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.
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 $

1.728 python-minimal 3.5.1-3
1.728.1 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.
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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1.729 libpython3.5-dev 3.5.2-
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A. HISTORY OF THE SOFTWARE
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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

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

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

All Python releases are Open Source (see http://www.opensource.org for
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releases have also been GPL-compatible; the table below summarizes
the various releases.
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1.731 commons-beanutils 1.9.4

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1.732 grpcio 1.24.1
1.732.1 Available under license:

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Metadata-Version: 2.1
Name: grpcio
Version: 1.24.1
Summary: HTTP/2-based RPC framework
Home-page: https://grpc.io
Author: The gRPC Authors
Author-email: grpc-io@googlegroups.com
License: Apache License 2.0
Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
Classifier: Programming Language :: Python
Classifier: Programming Language :: Python :: 2
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3
Classifier: Programming Language :: Python :: 3.4
Classifier: Programming Language :: Python :: 3.5
Classifier: Programming Language :: Python :: 3.6
Classifier: License :: OSI Approved :: Apache Software License
Requires-Dist: six (>=1.5.2)
Requires-Dist: futures (>=2.2.0); python_version < "3.2"
Requires-Dist: enum34 (>=1.0.4); python_version < "3.4"

gRPC Python
============

Package for gRPC Python.

.. |compat_check_pypsi| image:: https://python-compatibility-tools.appspot.com/one_badge_image?package=grpcio

Supported Python Versions
--------------------------
Python >= 3.5

Deprecated Python Versions
--------------------------
Python == 2.7, Python 2.7 support will be removed on January 1, 2020.

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

gRPC Python is available for Linux, macOS, and Windows.
Installing From PyPI
~~~~~~~~~~~~~~~~~~~~

If you are installing locally...

::

$ pip install grpcio

Else system wide (on Ubuntu)...

::

$ sudo pip install grpcio

If you're on Windows make sure that you installed the `pip.exe` component when you installed Python (if not go back and install it!) then invoke:

::

$ pip.exe install grpcio

Windows users may need to invoke `pip.exe` from a command line ran as administrator.

n.b. On Windows and on Mac OS X one *must* have a recent release of `pip` to retrieve the proper wheel from PyPI. Be sure to upgrade to the latest version!

Installing From Source
~~~~~~~~~~~~~~~~~~~~~~

Building from source requires that you have the Python headers (usually a package named `python-dev`).

::

$ export REPO_ROOT=grpc  # REPO_ROOT can be any directory of your choice
$ cd $REPO_ROOT
$ git submodule update --init

# For the next two commands do `sudo pip install` if you get permission-denied errors
$ pip install -rrequirements.txt
$ GRPC_PYTHON_BUILD_WITH_CYTHON=1 pip install .

You cannot currently install Python from source on Windows. Things might work out for you in MSYS2 (follow the Linux instructions), but it isn't officially
supported at the moment.

Troubleshooting
~~~~~~~~~~~~~~~~~~

Help, I ...

* **... see a** :code:`pkg_resources.VersionConflict` **when I try to install grpc**

This is likely because :code:`pip` doesn't own the offending dependency, which in turn is likely because your operating system's package manager owns it. You'll need to force the installation of the dependency:

:code:`pip install --ignore-installed $OFFENDINGDEPENDENCY`

For example, if you get an error like the following:

```
Traceback (most recent call last):
File "<string>", line 17, in <module>
...
File "/usr/lib/python2.7/dist-packages/pkg_resources.py", line 509, in find
raise VersionConflict(dist, req)
pkg_resources.VersionConflict: (six 1.8.0 (/usr/lib/python2.7/dist-packages), Requirement.parse('six>=1.10'))
```

You can fix it by doing:

```
:
:
sudo pip install --ignore-installed six
```

* **... see the following error on some platforms**

```
/tmp/pip-build-U8pSsr/cython/Cython/Plex/Scanners.c:4:20: fatal error: Python.h: No such file or directory
#include "Python.h"
^
compilation terminated.
```

You can fix it by installing `python-dev` package. i.e

```
:
:
sudo apt-get install python-dev
```
1.733 libgssapiheimdal 1.7~git20150920+dfsg
4ubuntu1.16.04.1

1.733.1 Available under license :

Release Notes:

popper-1.831beta is no longer beta 30 July 91
Removed popper-1.7.tar.Z

popper-1.831beta.tar.Z 03 April 91
Changed mkstemp to mktemp for Ultrix. Sigh.

popper-1.83beta.tar.Z 02 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 Frostpoptest@nettlesome.berkeley.edu
UC Berkeley
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):

<table>
<thead>
<tr>
<th>Service</th>
<th>Port</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>krb_prop</td>
<td>754/tcp</td>
<td>Kerberos slave propagation</td>
</tr>
<tr>
<td>iprop</td>
<td>2121/tcp</td>
<td>incremental propagation</td>
</tr>
</tbody>
</table>

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: http://www.nrl.navy.mil/CCS/people/kenh/kerberos-faq.html

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:
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
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The parts of the libtelnet that handle Kerberos.

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Tom's fast math (bignum support) and LibTomMath

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GSS-API mechglue layer.

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Marko Kreen

Fortuna 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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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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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.selow-volume announcement
heimdal-discuss@sics.sehigh-volume discussion

send a mail to heimdal-announce-request@sics.se and
heimdal-discuss-request@sics.se respectively to subscribe.

-- in order of preference

- client: support KRB5_PADATAENCYRPTED_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

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SUCH DAMAGE.
Please see info documentation for the complete list of licenses. 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 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()/strchr().

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.
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_iflag field, not the c_oflag field.

Fix the client where it was setting/clearing the ISTRIP bit in 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()/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:

> *** 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_fflag&NOFLUSH) == 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
color; 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 TERMIO 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 ECHO (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():

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 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 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.

k5dfsfpag: 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 k5dfsfpag 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.

k5dfsfpag.c is in lib/krb5

k5dfsfpag.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):

-lrde (and setenv from somewhere)

dpagaix is only needed on AIX (see k5dfsfpag.c).

dpagaix needs dfspg.exp and is linked with

ld -edpagaix -o dpagaix dpagaix.o dfspg.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.
LibTomMath is hereby released into the Public Domain.

-- Tom St Denis
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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1.734 graphviz 0.16
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1.735 dom4j 1.6.1

1.736 coreutils 8.25 2ubuntu3~16.04
1.736.1 Available under license:
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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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=======
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lib/fts.c
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lib/fts_.h

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lib/rand-isaac.[ch]

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lib/inet_ntop.c

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dnl

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doc/coreutils.texi (The GNU Coreutils Manual)
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1.739 aspectjrt 1.8.13
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Metadata-Version: 2.0
Name: maglev-internal-api
Version: 1.6.30
Summary: Maglev Internal API Library (1.6.30)
Home-page: UNKNOWN
Author: UNKNOWN
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Platform: UNKNOWN
Requires-Dist: aiohttp (==2.2.5)
Requires-Dist: dnspython (==1.16.0)
Requires-Dist: idna (==2.7)
Requires-Dist: monotonic (==1.1)
Requires-Dist: python-etcdd (==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):
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### 1.742 cglib-nodep 3.1

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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 _DEFAULTSOURCE"
+*/
 # undef _DEFAULT_SOURCE
 # define _DEFAULT_SOURCE1
#endif
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1.745 six 1.15.0

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1.746 libbz 1.0.6 8ubuntu0.2

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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/OAI/OpenAPI-Specification/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.
*
* @return an optional URL for the license.
*/
String url() default "";
}

1.748 reportlab 3.5.34

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1. I don't understand the resale restriction... What gives?

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3. Are derivative works allowed?

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4. Can I change or add to the font(s)?

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5. Under what terms are derivative works allowed?

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6. If I have improvements for Bitstream Vera, is it possible they might get adopted in future versions?

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Sure. Bundle the fonts with your software and sell your software with the fonts. That is the intent of the copyright.
8. If applications have built the names "Bitstream Vera" into them, can I override this somehow to use fonts of my choosing?

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1.749 icu4j 63.1
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1.750 binutils 2.26.1 1ubuntu1~16.04.8

1.751 stax-ex 1.8

1.752 sysv-rc 2.88dsf-59.3ubuntu2

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This package contains the scripts that are executed at start and shutdown of Debian systems.

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Send patches to sysvinit-devel@nongnu.org

The of the start-stop-daemon

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

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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>, 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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Version 3, 29 June 2007
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1.754 coverage 4.2

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*/

1.756 man-pages 4.04-2

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#!/usr/bin/python3
#
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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'],
    },
]
<table>
<thead>
<tr>
<th>Shortname</th>
<th>Filename</th>
<th>Upstream Names</th>
</tr>
</thead>
<tbody>
<tr>
<td>'Expat'</td>
<td>'Expat'</td>
<td>['PERMISSIVE_MISC', 'MIT']</td>
</tr>
<tr>
<td>'freely-redistributable'</td>
<td>'freely-redistributable'</td>
<td>['FREELY_REDISTRIBUTABLE']</td>
</tr>
<tr>
<td>'GPL-2'</td>
<td>'GPL-2'</td>
<td>['GPLv2_MISC', 'GPLv2_ONELINE']</td>
</tr>
<tr>
<td>'GPL-2+'</td>
<td>'GPL-2+'</td>
<td>['GPLv2+_NOVERSION_ONELINE', 'GPLv2+', 'GPLv2+_DOC_FULL', 'GPLv2+_DOC_MISC', 'GPLv2+_DOC_ONEPARA', 'GPLv2+_SW_3_PARA', 'GPLv2+_SW_ONEPARA']</td>
</tr>
<tr>
<td>'henry-spencer-regex'</td>
<td>'henry-spencer-regex'</td>
<td>['MISC']</td>
</tr>
<tr>
<td>'LDPv1'</td>
<td>'LDPv1'</td>
<td>['LDPv1']</td>
</tr>
<tr>
<td>'public-domain'</td>
<td>'public-domain'</td>
<td>['PUBLIC_DOMAIN']</td>
</tr>
<tr>
<td>'verbatim'</td>
<td>'verbatim'</td>
<td>['VERBATIM', 'VERBATIM_ONE_PARA', 'VERBATIM_TWO_PARA', 'VERBATIM_PROF']</td>
</tr>
</tbody>
</table>
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
    return ""
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 += "\n\nLicense: "+ shortname + "\n\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"^\.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:
    # 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"
# 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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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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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
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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/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 INIT.3 man3/SLIST INSERT AFTER.3 man3/SLIST INSERT HEAD.3
man3/SLIST_NEXT.3 man3/SLIST_REMOVE.3 man3/SLIST_REMOVE_HEAD.3
man3/TAILQ_CONCAT.3 man3/TAILQ_EMPTY.3 man3/TAILQ_ENTRY.3
man3/TAILQ_FIRST.3 man3/TAILQ_FOREACH.3 man3/TAILQ_HEAD.3
man3/TAILQ_HEAD_INITIALIZER.3 man3/TAILQ_INIT.3
man3/TAILQ_INSERT_AFTER.3 man3/TAILQ_INSERT_HEAD.3
man3/TAILQ_INSERT_TAIL.3 man3/TAILQ_NEXT.3 man3/TAILQ_REMOVE.3
man3/TAILQ_REMOVE_HEAD.3 man3/TAILQ_PREV.3 man3/TAILQ_SWAP.3
man3/TAILQ_SWAP.3 man3/forkpty.3 man3/getloadavg.3 man3/login_tty.3
man3/openpty.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/ioctl.2 man2/killpg.2
man2/listen.2 man2/lseek.2 man2/recv.2 man2/recvfrom.2 man2/send.2
man2/sendto.2 man2/setpgid.2 man2/setpgrp.2 man2/setpriority.2
man2/setregid.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/callback.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/clnttcp_create.3
man3/clntudp_create.3 man3/clntudpbufcreate.3 man3/clntudp_create.3
man3/daemon.3 man3/db.3 man3/dbopen.3 man3/endrpc.3 man3/err.3
man3/errno.3 man3/exec.3 man3/exec3.3 man3/exect.3 man3/execl.3
man3/execv.3 man3/execvp.3 man3/execve.3 man3/fclose.3 man3/fdopen.3
man3/feof.3 man3/ferror.3 man3/fflush.3 man3/fgetpos.3 man3/fgets.3
man3/finput.3 man3/fpread.3 man3/fread.3 man3/freopen.3 man3/fscanf.3
man3/fseek.3 man3/fssetpos.3 man3/ftell.3 man3/ftruncate.3
man3/fwrite.3 man3/get_myaddress.3 man3/getrpcbyname.3
man2/epoll_wait.2 man2/eventfd.2 man2/eventfd2.2 man2/fattach.2
man2/fdetach.2 man2/fgetxattr.2 man2/flistxattr.2 man2/fremovexattr.2
man2/fsetxattr.2 man2/get_kernel_syms.2 man2/get_thread_area.2
man2/getmsg.2 man2/getpmsg.2 man2/getsid.2 man2/getxattr.2
man2/gttty.2 man2/inb.2 man2/inb_p.2 man2/inl.2 man2/inl_p.2
man2/inotify_add_watch.2 man2/inotify_init.2 man2/inotify_init1.2
man2/inotify_rm_watch.2 man2/insb.2 man2/instl.2 man2/insw.2
man2/inw.2 man2/inw_p.2 man2/io_cancel.2 man2/io_destroy.2
man2/io_getevents.2 man2/io_setup.2 man2/io_submit.2 man2/ioperm.2
man2/ioprio_get.2 man2/ioprio_set.2 man2/ipc.2 man2/isastream.2
man2/keyctl.2 man2/lgetxattr.2 man2/listxattr.2 man2/lremovexattr.2
man2/lock.2 man2/lremovexattr.2 man2/lsyncattr.2 man2/madvise.1.2
man2/memfd_create.2 man2/mkdir.2 man2/mkdirat.2 man2/mknod.2
man2/mkodat.2 man2/mlock.2 man2/mlock2.2 man2/mlockall.2
man2/modify_lidt.2 man2/mpx.2 man2/mremap.2 man2/munlock.2
man2/munlockall.2 man2/nanosleep.2 man2/obutb.2 man2/obutb_p.2
man2/outryl.2 man2/outryl_p.2 man2/outsb.2 man2/outsbl.2 man2/outs2.2
man2/outw.2 man2/outw_p.2 man2/perf_event_open.2 man2/phys.2
man2/pivot_root.2 man2/prof.2 man2/prtrace.2 man2/putmsg.2
man2/putpmsg.2 man2/query_module.2 man2/removexattr.2
man2/request_key.2 man2/s390_pci_mmmio_read.2
man2/s390_pci_mmmio_write.2 man2/s390_runtime_instr.2 man2/sbrk.2
man2/sched_get_priority_max.2 man2/sched_get_priority_min.2
man2/sched_getaffinity.2 man2/sched_getparam.2
man2/sched_rr_get_interval.2 man2/sched_setsaftinity.2
man2/sched_setsparam.2 man2/sched_yield.2 man2/security.2
man2/set_thread_area.2 man2/setsid.2 man2/setxattr.2 man2.signalfd.2
man2/signalfd4.2 man2/socketcall.2 man2/spu_create.2 man2/spu_run.2
man2/stty.2 man2/timerfd_create.2 man2/timerfd_gettime.2
man2/timerfd_settime.2 man2/tuxcall.2 man2/unimplemented.2
man2/unshare.2 man2/vserver.2 man3/DES_FAILED.3 man3/MB_CUR_MAX.3
man3/MB_LEN_MAX.3 man3/__after_morecore_hook.3 man3/__free_hook.3
man3/__malloc_hook.3 man3/__malloc_initialize_hook.3
man3/__memalign_hook.3 man3/__realloc_hook.3 man3/__setfpucw.3
man3/a64l.3 man3/addsev.3 man3/addseverity.3 man3/aio_cancel.3 man3/aio_error.3
man3/aio_fsync.3 man3/aio_read.3 man3/aio_return.3 man3/aio_suspend.3
man3/aio_write.3 man3/argz.3 man3/argz_add.3 man3/argz_add_sep.3
man3/argz_append.3 man3/argz_count.3 man3/argz_create.3
man3/argz_create_sep.3 man3/argz_delete.3 man3/argz_extract.3
man3/argz_insert.3 man3/argz_next.3 man3/argz_replace.3
man3/argz_stringify.3 man3/btowc.3 man3/cabs.3 man3/cabsf.3
man3/cabsi.3 man3/cacos.3 man3/cacosf.3 man3/cacosh.3 man3/cacoshf.3
man3/cacoshl.3 man3/cacosi.3 man3/carg.3 man3/cargf.3 man3/cargl.3
man3/casin.3 man3/casinf.3 man3/casinh.3 man3/casinhf.3
man3/casinhl.3 man3/casinl.3 man3/catan.3 man3/catanf.3 man3/catanh.3
man3/catanhf.3 man3/catanhl.3 man3/catanl.3 man3/cbc_crypt.3
man3/ccos.3 man3/ccosf.3 man3/ccosh.3 man3/ccoshf.3 man3/ccoshl.3
man3/ccosi.3 man3/cexp.3 man3/cexp2.3 man3/cexp2f.3 man3/cexp2l.3
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1.759 spring-context 4.3.19.RELEASE

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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 [@code @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>
* @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/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-
  jar/org/springframework/context/annotation/Conditional.java
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* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-
jar/org/springframework/context/LifecycleProcessor.java
* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-
jar/org/springframework/jmx/export/MBeanExportOperations.java

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* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-
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See the javadocs for WebSphere's AdminServiceFactory and MBeanFactory.

@author Juergen Hoeller
@author Rob Harrop
@since 2.0.3
@see javax.management.MBeanServer
@see MBeanServerFactoryBean

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* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-jar/org/springframework/cache/annotation/CacheEvict.java
* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-jar/org/springframework/cache/interceptor/CacheEvaluationContext.java
* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-jar/org/springframework/instrument/classloading/ReflectiveLoadTimeWeaver.java
* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-jar/org/springframework/scheduling/config/ExecutorBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-jar/org/springframework/scheduling/config/ScriptingDefaultsParser.java
* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-jar/org/springframework/context/annotation/AnnotationScopeMetadataResolver.java
* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-jar/org/springframework/scheduling/config/TriggerTask.java
* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-jar/org/springframework/scheduling/config/EnableScheduling.java
* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-jar/org/springframework/context/annotation/LoadTimeWeavingConfiguration.java
* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-jar/org/springframework/format/datetime/standard/InstantFormatter.java
* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-jar/org/springframework/format/datetime/DateFormatterRegistrar.java
* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-jar/org/springframework/format/datetime/standard/Jsr310DateTimeFormatAnnotationFormatterFactory.java
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* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-jar/org/springframework/jmx/export/annotation/AnnotationJmxAttributeSource.java
* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-jar/org/springframework/context/config/LoadTimeWeaverBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-jar/org/springframework/context/config/PropertyPlaceholderBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-jar/org/springframework/format/support/FormatterPropertyEditorAdapter.java
* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-jar/org/springframework/context/config/AbstractResourceBasedMessageSource.java
* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-jar/org/springframework/jmx/export/assembler/MethodNameBasedMBeanInfoAssembler.java
* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-jar/org/springframework/context/config/propertyPlaceHolderBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-jar/org/springframework/context/scheduling/config/Async.java
* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-jar/org/springframework/context/scheduling/config/i18n/LocaleContextHolder.java
* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-jar/org/springframework/context/scheduling/config/LoadTimeWeaverBeanDefinitionParser.java
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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.
 *
 * @author Stephane Nicoll
 * @since 4.1
 */

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* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1.jar/org/springframework/cache/interceptor/AbstractCacheResolver.java
* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1.jar/org/springframework/validation/BeanPropertyBindingResult.java
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* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-
  jar/org/springframework/format/datetime/joda/LocalTimeParser.java
* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-
  jar/org/springframework/format/datetime/joda/ReadableInstantPrinter.java
* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-
  jar/org/springframework/scheduling/config/CronTask.java
* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-
  jar/org/springframework/scheduling/support/SimpleTriggerContext.java
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  jar/org/springframework/scheduling/SchedulingTaskExecutor.java
* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-
  jar/org/springframework/remoting/rmi/RmiClientInterceptorUtils.java
* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-
  jar/org/springframework/scheduling/support/TaskUtils.java
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  jar/org/springframework/scheduling/support/TaskExecutor.java
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* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-jar/org/springframework/validation/MapBindingResult.java
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* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-jar/org/springframework/format/Formatter.java
* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-jar/org/springframework/jmx/export/notification/NotificationPublisher.java
* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-jar/org/springframework/jmx/export/naming/SelfNaming.java
* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-jar/org/springframework/jmx/export/UnableToRegisterMBeanException.java
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* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-jar/org/springframework/context/event/ContextRefreshedEvent.java
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* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-jar/org/springframework/jmx/export/naming/ObjectNamingStrategy.java
* /opt/ws_local/PERMITS_SQL/1069084994_1594481573.42/0/spring-context-4-3-19-release-sources-1-jar/org/springframework/scripting/ScriptSource.java
1.760 libcc 5.4.0 6ubuntu1~16.04.12

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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. 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@mitame.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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Ty Coon, President of Vice
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That's all there is to it!
java/security/acl/Permissionjava/lang/Objectequals(Ljava/lang/Object;)ZtoString()Ljava/lang/String;
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<tr>
<td>mach_override</td>
<td>lib/interception/mach_override</td>
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LineNumberTableLocalVariableTable
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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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#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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Jan 21, 2002

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" 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 \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-.1v\h'-1p\v'\s-2+\h'-1p'\s0\v'.1v\h'-1p'
.ie n \{
   . ds -- \*W-
   . ds PI pi
   . if (\n(\H=4u)&(1m=24u) .ds -- \*W\h'-12u\(\*W\h'-12u\-\h" " diablo 10 pitch
   . if (\n(\H=4u)&(1m=20u) .ds -- \*W\h'-12u\(\*W\h'-8u\-\h" " diablo 12 pitch
   . ds L" "
   . ds R" "
   . ds C" "
   . ds C' "

Escape single quotes in literal strings from groff's Unicode transform.

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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__
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@setfilename gfdl
@settitle GNU Free Documentation License
@c man begin SEEALSO
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16/gnu/javasound/AudioSecurityManager$Permissionjava/lang/EnumPLAY1Lgnu/javasound/AudioSecurityManager$Permission;RECORDALLENUM$VALUES2[Lgnu/javasound/AudioSecurityManager$Permission;<cinit>
>;(VCode
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arraycopy*(Ljava/lang/Object;ILjava/lang/Object;II)VvalueOfE(Ljava/lang/String;)Lgnu/javasound/AudioSecurityManager$Permission;
).-5(Ljava/lang/Class;Ljava/lang/String;)Ljava/lang/Enum;
SourceFileAudioSecurityManager.java
SignatureCLjava/lang/Enum<Lgnu/javasound/AudioSecurityManager$Permission;>;InnerClasses4$gnu/javasound/AudioSecurityManager
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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
Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Crirdig (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 Detlefis(detlefis@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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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();
}

@c Set file name and title for man page.
@setfilename gfdl
@settitle GNU Free Documentation License
@man begin SEEALSO
gpl(7), fsf-funding(7).
@man end
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extern "Java" {

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#ifdef __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 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$;
};

#ifdef __java_security_Permission__
/* 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.
 */
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);
    }
  }

  // This is the name assigned to this permission object.
  @serial the name of the permission

  // Create an instance with the specified name.
  @param name the permission 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 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);
      }
    }
  }
/**
 * 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

#!/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',
            'depcopy',
            'install-sh',
            'libtool.m4',
            'ltmain.sh',
            'ltoptions.m4',
            'ltshugar.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.
'te(9info.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 + '.t(9.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'  
            '\[Cc\]opyrights+%(\[Cc\])'  
            '\[Cc\]opyrights+%s'  
            '\[Cc\]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*\(\? + ranges + \s\)?'  
            '\[@value\{[^{}]*\]\}\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).
# 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('#+|[*]+|;+|%+|//[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:
        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))
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',
    ])

    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(r'.*NAME_COPYRIGHT')
    if filename == 'ICC_Profile.h':
        return re.compile(r'.*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 ('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',
    'libitm',
    'libmudflap',
    'libobjc',
    'libstdc++-v3',
]

GCCCmdLine().main()
/* Permission.java -- The superclass for all permission objects

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this exception to your version of the library, but you are not
obligated to do so. If you do not wish to do so, delete this
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
*/
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();
/* 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 ("\t.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 ("\t.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 ("\t.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\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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* m4/ax_func_which_gethostname_r.m4

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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;

Open Source Used In DNAC System Engineering fury 13416


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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

That's all there is to it!

" Automatically generated by Pod::Man 2.16 (Pod::Simple 3.05)
" Standard preamble:
" ===================================
.de Sh " Subsection heading
.br
.if t .Sp
.ne 5
.PP
\$1\$1\$1\$1\$1\$1 .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
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'\h'-1p's-2+\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\v'\h'-12u'\h'-12u'\v'\h'-12u'\h'-12u'\v'.1\v'\h'-1p'
  .if (\n(.H=4u)&(1m=20u) .ds -- \(*W\h'-12u\v'\h'-12u'\h'-12u'\v'\h'-12u'\v'.1\v'\h'-1p'
  .ds L" "
  .ds R" "
  .ds C" "
  .ds C' "'
\}br\}
\el{}\{
  .ds -- \(em\|
  .ds PI \"p
  .ds L" 
  .ds R" 
  .ds C" 
  .ds C' 
\}br\}
```

\" Escape single quotes in literal strings from groff's Unicode transform.

```
\ie \n(.g .ds Aq \aq
\el .ds Aq '
```

\" If the F register is turned on, we'll generate index entries on stderr for titles (.TH), headers (.SH), subsections (.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\t\n%\t\n\%$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.

\* fudge factors for nroff and troff

.if n \\n  .ds #H 0
  .ds #V .8m
  .ds #F .3m
  .ds #[ M1
  .ds #] MP
\}
.if t \\n  .ds #H ((1u-(\n(.fu%2u))*.13m)
  .ds #V .6m
  .ds #F 0
  .ds #] \&
\}

\* simple accents for nroff and troff

.if n \\n  .ds ` \&
  .ds ` \&
  .ds ` \&
  .ds , \&
  .ds ~ ~
  .ds / \&
\}
.if t \\n  .ds ` \&
  .ds ` \&
  .ds ` \&
  .ds , \&
  .ds ~ ~
  .ds / \&
\}

\* troff and (daisy-wheel) nroff accents

.ds : \&k:hi'-\(\n(.wu*8/10\^*(#H)\^*(#H)\^*(#H)\^*(#H)\^*(#H)\^*(#H)
.ds 8 hi'*(#H)*hi'*(#H)
.ds o \&k:hi'-\(\n(.wu+\w')(de\w'\^*(#H))/2\w'-.3n\^*(#H)(de\w'.3n\^*(#H)\w')\n.u'
.ds d- hi'*(#H)'pd\w'-\u'w'-.25m'f2\hy/ifPv'.25m\^*(#H)
.ds D- Di\&k:hi'-\w'Du'w'-11m'z\h'y.\w'.11m\h'\w')\n.u'
.ds th v'(#H)\z(w'Tu*2/3)\w'-1s-1\v'-.3m\h'-(w'Tu*2/3)\w'-1s-1\v'(#H)
.ds Th v'(#H)\z(w'Tu*2/3)\w'-1s-1\v'-.3m\h'-(w'Tu*2/3)\w'-1s-1\v'(#H)
.ds ae ahi'-(w'a'u*4/10)e
.ds Ae Ah'-(w'Au*4/10)E

\* corrections for vroff

.if v .ds ~ \&k:hi'-(\n(.wu*9/10\^*(#H)\^*(#H)\^*(#H)\^*(#H)\^*(#H)\^*(#H)\^*(#H)
.if v .ds ~ \&k:hi'-(\n(.wu*9/10\^*(#H)\^*(#H)\^*(#H)\^*(#H)\^*(#H)\^*(#H)\^*(#H)

\* for low resolution devices (crt and lpr)
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
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IP "e." 4
.IX Item "e."
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LineNumberTableLocalVariableTablethis-
Lgnu/classpath/tools/taglets/CopyrightTaglet;getName()Ljava/lang/String;inField()Z
inConstructorinMethod
inOverviewinPackageinTypeisInlineTagregister(Ljava/util/Map;)V

&(*)
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tagletMapJava/util/Map;copyrightTaglettoString)(Ljava/lang/String;tagLcom/sun/javadoc/Tag;toString)(Lcom/sun/javadoc/Tag;)Ljava/lang/String;3com/sun/javadoc/Tag

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/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-operators, 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)),			\nasemble_name ((FILE), (NAME)),		\nfprintf ((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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</para>

<bridgehead xml:id="SourceCode" renderas="sect1">
</bridgehead>

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</para>

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</para>

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<para>
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object code with such an offer, in accord with subsection 6b.
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</para>
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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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</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
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</listitem>
</orderedlist>
<para>
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</para>
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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 null;
    }
}
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;
        }
    }
}

java/security/acl/Permission java/lang/Object equals (Ljava/lang/Object;) Z toString ()Ljava/lang/String;
SourceFilePermission.java

GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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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>.
 */

*/

package java.security.acl;
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();
}
with the addition under section 7 of an exception described in
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* m4/ax_func_which_gethostbyname_r.m4

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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])
 */

Found in path(s):
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jar/org/springframework/jdbc/core/ParameterMapper.java
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* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1-
jar/org/springframework/jdbc/core/PreparedStatementCreatorFactory.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1-
jar/org/springframework/jdbc/core/support/AbstractLobCreatingPreparedStatementCallback.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1-
jar/org/springframework/jdbc/support/nativejdbc/WebSphereNativeJdbcExtractor.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1-
jar/org/springframework/jdbc/core/metadata/GenericTableMetaDataProvider.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1.jar/org/springframework/jdbc/core/namedparam/NamedParameterUtils.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1.jar/org/springframework/jdbc/datasource/AbstractDriverBasedDataSource.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1.jar/org/springframework/jdbc/datasource/DataSourceTransactionManager.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1.jar/org/springframework/jdbc/datasource/TransactionAwareDataSourceProxy.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1.jar/org/springframework/jdbc/support/nativejdbc/WebLogicNativeJdbcExtractor.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1.jar/org/springframework/jdbc/datasource/LazyConnectionDataSourceProxy.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1.jar/org/springframework/jdbc/core/BeanPropertyRowMapper.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1.jar/org/springframework/jdbc/core/ArgumentPreparedStatementSetter.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1.jar/org/springframework/jdbc/support/SQLStateSQLExceptionTranslator.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1.jar/org/springframework/jdbc/core/metadata/TableMetaDataProvider.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1.jar/org/springframework/jdbc/core/metadata/HsqlTableMetaDataProvider.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1.jar/org/springframework/jdbc/core/simple/AbstractJdbcInsert.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1.jar/org/springframework/jdbc/core/simple/SimpleJdbcInsert.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1.jar/org/springframework/jdbc/core/simple/EmptySqlParameterSource.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1.jar/org/springframework/jdbc/core/simple/SimpleJdbcCall.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1.jar/org/springframework/jdbc/datasource/init/ResourceDatabasePopulator.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1.jar/org/springframework/jdbc/datasource/SQLErrorCodesSQLExceptionTranslator.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1.jar/org/springframework/jdbc/core/metadata/CallMetaDataProvider.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1.jar/org/springframework/jdbc/core/metadata/CallMetaDataProvider.java

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* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1-jar/org/springframework/jdbc/core/JdbcTemplate.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1-jar/org/springframework/jdbc/core/JdbcOperations.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1-jar/org/springframework/jdbc/core/StatementCreatorUtils.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1-jar/org/springframework/jdbc/datasource/embedded/EmbeddedDatabaseBuilder.java
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 */

/**
 * Strategy interface for translating between SQLException SQLExceptions
 * and Spring's data access strategy-agnostic DataAccessException hierarchy.
 *
 * Implementations can be generic (for example, using
 * [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
 */

Found in path(s):
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1-
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  jar/org/springframework/jdbc/datasource/JdbcTransactionObjectSupport.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1-
  jar/org/springframework/jdbc/datasource/EmbeddedDatabaseConfigurerFactory.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1-
  jar/org/springframework/jdbc/datasource/AbstractEmbeddedDatabaseConfigurer.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1-
  jar/org/springframework/jdbc/datasource/EmbeddedDatabase.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1-
  jar/org/springframework/jdbc/datasource/DataSourceFactory.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1-
  jar/org/springframework/jdbc/datasource/ConnectionProperties.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1-
  jar/org/springframework/jdbc/datasource/HsqlEmbeddedDatabaseConfigurer.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1-
  jar/org/springframework/jdbc/support/incrementer/HsqlMaxValueIncrementer.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1-
  jar/org/springframework/jdbc/core/DisposableSqlTypeValue.java

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  jar/org/springframework/jdbc/core/ParameterDisposer.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1-
  jar/org/springframework/jdbc/datasource/ConnectionHandle.java
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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/final
 * 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>
 *
 * <p>This package and related packages are discussed in Chapter 9 of
 * <a href="http://www.amazon.com/exec/obidos/tg/detail/-/0764543857/">Expert One-On-One J2EE Design and
 * Development</a>
 * by Rod Johnson (Wrox, 2002).
 *
 */

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*/
/**
* {@link LobHandler} implementation for Oracle databases. Uses proprietary API
to create {@code oracle.sql.BLOB} and {@code oracle.sql.CLOB}
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 9i (or more specifically, the Oracle 9i JDBC driver) 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, or upgrade to the Oracle 10g/11g driver
* (which still supports access to Oracle 9i databases).
*<p><b>NOTE: As of Oracle 10.2, {@link DefaultLobHandler} should work equally
* well out of the box. On Oracle 11g, JDBC 4.0 based options such as
* {@link DefaultLobHandler#setStreamAsLob} and {@link DefaultLobHandler#setCreateTemporaryLob}
* are available as well, rendering this proprietary OracleLobHandler obsolete.</b>
* Also, consider upgrading to a new driver even when accessing an older database.
* See the {@link LobHandler} interface javadoc for a summary of recommendations.
*<p>Needs to work on a native JDBC Connection, to be able to cast it to
* {@code oracle.jdbc.OracleConnection}. If you pass in Connections from a
* connection pool (the usual case in a Java EE environment), you need to set an
* appropriate {@link org.springframework.jdbc.support.nativejdbc.NativeJdbcExtractor}
* to allow for automatic 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.
*<p>@author Juergen Hoeller
* @author Thomas Risberg
* @since 04.12.2003
* @see DefaultLobHandler
* @see #setNativeJdbcExtractor
* @deprecated in favor of {@link DefaultLobHandler} for the Oracle 10g driver and
* higher. Consider using the 10g/11g driver even against an Oracle 9i database!
* [\@link DefaultLobHandler\#setCreateTemporaryLob\} is the direct equivalent of this
* OracleLobHandler’s implementation strategy, just using standard JDBC 4.0 API.
* That said, in most cases, regular DefaultLobHandler setup will work fine as well.
*/

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* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1-
jar/org/springframework/jdbc/support/incrementer/DataFieldMaxValueIncrementer.java
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jar/org/springframework/jdbc/core/metadata/CallParameterMetaData.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1-
jar/org/springframework/jdbc/core/metadata/TableParameterMetaData.java
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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 9i's peculiar handling of LOBs in
 * {@link OracleLobHandler}; most other databases should be able to work
 * with the provided {@link DefaultLobHandler}.
 *
 * <p>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.
 *
 * <p>Most databases/drivers should be able to work with {@link DefaultLobHandler},
 * which by default delegates to JDBC's direct accessor methods, avoiding the
 * {@code java.sql.Blob} and {@code java.sql.Clob} API completely.
 * {@link DefaultLobHandler} can also be configured to access LOBs using
 * the properties of the template and setWrapAsLob property.
 *
 * <p>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
 * the function of the Oracle JDBC driver which uses Oracle's BLOB/CLOB API for both types
 * of access. The Oracle JDBC driver will work with @{link DefaultLobHandler}
 * as well, with some limitations in terms of LOB sizes depending on DBMS setup;
 * as of Oracle 11g (or actually, using the 11g driver even against older databases),
 * there should be no need to use @{link OracleLobHandler} at all anymore.
 *
 * <p>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).
Summarizing the recommended options (for actual LOB fields):

- **JDBC 4.0 driver (including Oracle 11g driver):** Use `DefaultLobHandler`, potentially with `streamAsLob=true` if your database driver requires that hint when populating a LOB field. Fall back to `createTemporaryLob=true` if you happen to run into LOB size limitations with your (Oracle) database setup.

- **Oracle 10g driver:** Use `DefaultLobHandler` with standard setup. On Oracle 10.1, set the "SetBigStringTryClob" connection property; as of Oracle 10.2, `DefaultLobHandler` should work with standard setup out of the box. Alternatively, consider using the proprietary `OracleLobHandler` (see below).

- **Oracle 9i driver:** Use `OracleLobHandler` with a connection-pool-specific `NativeJdbcExtractor`.

- **PostgreSQL:** Configure `DefaultLobHandler` with `wrapAsLob=true`, and use that LobHandler to access OID columns (but not BYTEA) in your database tables.

- For all other database drivers (and for non-LOB fields that might potentially turn into LOBs on some databases): Simply use a plain `DefaultLobHandler`.

@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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* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1-jar/org/springframework/jdbc/datasource/ConnectionProxy.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1-jar/org/springframework/jdbc/datasource/InvalidResultSetAccessException.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1-jar/org/springframework/jdbc/core/support/AbstractInterruptibleBatchPreparedStatementSetter.java
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* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1-jar/org/springframework/jdbc/datasource/init/DatabasePopulator.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1-jar/org/springframework/jdbc/support/nativejdbc/CommonsDbcpNativeJdbcExtractor.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1-jar/org/springframework/jdbc/core/object/UpdatableSqlQuery.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1-jar/org/springframework/jdbc/config/SortedResourcesFactoryBean.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1-jar/org/springframework/jdbc/support/xml/SqlXmlFeatureNotImplementedException.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1-jar/org/springframework/jdbc/datasource/DataSourceLookup.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1-jar/org/springframework/jdbc/datasource/DriverManagerDataSource.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1-jar/org/springframework/jdbc/datasource/lookup/MapDataSourceLookup.java
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jar/org/springframework/jdbc/core/metadata/TableMetaDataContext.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1-
jar/org/springframework/jdbc/support/lob/PassThroughBlob.java
* /opt/cola/permits/1111263731_1606892722.44/0/spring-jdbc-3-2-8-release-sources-1-
jar/org/springframework/jdbc/datasource/lookup/IsolationLevelDataSourceRouter.java
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jar/org/springframework/jdbc/support/lob/PassThroughClob.java
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package javax.activation;

import java.util.Map;
import java.util.WeakHashMap;

/**
 * The CommandMap class provides an interface to a registry of
 * command objects available in the system.
 * Developers are expected to either use the CommandMap
 * implementation included with this package (MailcapCommandMap) or
 * develop their own. Note that some of the methods in this class are
 * abstract.
 */
public abstract class CommandMap {
    private static CommandMap defaultCommandMap = null;
    private static Map<ClassLoader, CommandMap> map =
        new WeakHashMap<ClassLoader, CommandMap>();

    /**
     * Get the default CommandMap.
     *
     * <ul>
     * <li> In cases where a CommandMap instance has been previously set
     * to some value (via <i>setDefaultCommandMap</i>) return the CommandMap.
     * <li> In cases where no CommandMap has been set, the CommandMap
     * creates an instance of <code>MailcapCommandMap</code> and
     * set that to the default, returning its value.
     * </ul>
     *
     * @return the CommandMap
     */
    public static synchronized CommandMap getDefaultCommandMap() {
        if (defaultCommandMap != null)
            return defaultCommandMap;
        // fetch per-thread-context-class-loader default
        ClassLoader tccl = SecuritySupport.getContextClassLoader();
        CommandMap def = map.get(tccl);
        if (def == null) {
            def = new MailcapCommandMap();
        }
        return def;
    }
}
map.put(tccl, def);
} return def;
}

/**
 * Set the default CommandMap. Reset the CommandMap to the default by
 * calling this method with <code>null</code>.
 *
 * @param commandMap The new default CommandMap.
 * @exception SecurityException if the caller doesn't have permission
 * to change the default
 */

public static synchronized void setDefaultCommandMap(CommandMap commandMap) {
    SecurityManager security = System.getSecurityManager();
    if (security != null) {
        try {
            // if it's ok with the SecurityManager, it's ok with me...
            security.checkSetFactory();
            } catch (SecurityException ex) {
            // otherwise, we also allow it if this code and the
            // factory come from the same (non-system) class loader (e.g.,
            // the JAF classes were loaded with the applet classes).
            ClassLoader cl = CommandMap.class.getClassLoader();
            if (cl == null || cl.getParent() == null ||
                cl != commandMap.getClass().getClassLoader()) {
                throw ex;
            }
        }
    }
    // remove any per-thread-context-class-loader CommandMap
    map.remove(SecuritySupport.getContextClassLoader());
    defaultCommandMap = commandMap;
}

/**
 * Get the preferred command list from a MIME Type. The actual semantics
 * are determined by the implementation of the CommandMap.
 *
 * @param mimeType the MIME type
 * @return the CommandInfo classes that represent the command Beans.
 */
abstract public CommandInfo[] getPreferredCommands(String mimeType);

/**
 * Get the preferred command list from a MIME Type. The actual semantics
 * are determined by the implementation of the CommandMap. <p>
 *
* The `<code>DataSource</code>` provides extra information, such as
* the file name, that a CommandMap implementation may use to further
* refine the list of commands that are returned. The implementation
* in this class simply calls the `<code>getPreferredCommands</code>`
* method that ignores this argument.

* @param mimeType the MIME type
* @param ds a DataSource for the data
* @return the CommandInfo classes that represent the command Beans.
* @since JAF 1.1
*/
public CommandInfo[] getPreferredCommands(String mimeType, DataSource ds) {
    return getPreferredCommands(mimeType);
}

/**
 * Get all the available commands for this type. This method
 * should return all the possible commands for this MIME type.
 *
 * @param mimeType the MIME type
 * @return the CommandInfo objects representing all the commands.
 */
abstract public CommandInfo[] getAllCommands(String mimeType);

/**
 * Get all the available commands for this type. This method
 * should return all the possible commands for this MIME type. <p>
 * The `<code>DataSource</code>` provides extra information, such as
 * the file name, that a CommandMap implementation may use to further
 * refine the list of commands that are returned. The implementation
 * in this class simply calls the `<code>getAllCommands</code>`
 * method that ignores this argument.
 *
 * @param mimeType the MIME type
 * @param ds a DataSource for the data
 * @return the CommandInfo objects representing all the commands.
 * @since JAF 1.1
 */
public CommandInfo[] getAllCommands(String mimeType, DataSource ds) {
    return getAllCommands(mimeType);
}

/**
 * Get the default command corresponding to the MIME type.
 *
 * @param mimeType the MIME type
 * @param cmdName the command name
abstract public CommandInfo getCommand(String mimeType, String cmdName);

/**
 * Get the default command corresponding to the MIME type. <p>
 * The <code>DataSource</code> provides extra information, such as
 * the file name, that a CommandMap implementation may use to further
 * refine the command that is chosen. The implementation
 * in this class simply calls the <code>getCommand</code>
 * method that ignores this argument.
 *
 * @param mimeType the MIME type
 * @param cmdName the command name
 * @param ds a DataSource for the data
 * @return the CommandInfo corresponding to the command.
 * @since JAF 1.1
 */
public CommandInfo getCommand(String mimeType, String cmdName, DataSource ds) {
    return getCommand(mimeType, cmdName);
}

/**
 * Locate a DataContentHandler that corresponds to the MIME type.
 * The mechanism and semantics for determining this are determined
 * by the implementation of the particular CommandMap.
 *
 * @param mimeType the MIME type
 * @return the DataContentHandler for the MIME type
 */
abstract public DataContentHandler createDataContentHandler(String mimeType);

/**
 * Locate a DataContentHandler that corresponds to the MIME type.
 * The mechanism and semantics for determining this are determined
 * by the implementation of the particular CommandMap. <p>
 * The <code>DataSource</code> provides extra information, such as
 * the file name, that a CommandMap implementation may use to further
 * refine the choice of DataContentHandler. The implementation
 * in this class simply calls the <code>createDataContentHandler</code>
 * method that ignores this argument.
 *
 * @param mimeType the MIME type
 * @param ds a DataSource for the data
 */
* @return the DataContentHandler for the MIME type
* @since JAF 1.1
*/
public DataContentHandler createDataContentHandler(String mimeType,
DataSource ds) {
    return createDataContentHandler(mimeType);
}

/**
* Get all the MIME types known to this command map.
* If the command map doesn't support this operation,
* null is returned.
*
* @return array of MIME types as strings, or null if not supported
* @since JAF 1.1
*/
public String[] getMimeTypes() {
    return null;
}
}

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* /opt/cola/permits/1112362173_1607072356.14/0/spring-boot-autoconfigure-1-5-12-release-sources-1-jar/org/springframework/boot/autoconfigure/groovy/template/GroovyTemplateAutoConfiguration.java
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* /opt/cola/permits/1112362173_1607072356.14/0/spring-boot-autoconfigure-1-5-12-release-sources-1.jar/org/springframework/boot/autoconfigure/condition/ConditionalOnNotWebApplication.java
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* /opt/cola/permits/1112362173_1607072356.14/0/spring-boot-autoconfigure-1-5-12-release-sources-1.jar/org/springframework/boot/autoconfigure/batch/JobExecutionEvent.java

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* /opt/cola/permits/1112362173_1607072356.14/0/spring-boot-autoconfigure-1-5-12-release-sources-1-jar/org/springframework/boot/autoconfigure/cache/CouchbaseCacheConfiguration.java
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* /opt/cola/permits/1112362173_1607072356.14/0/spring-boot-autoconfigure-1-5-12-release-sources-1.jar/org/springframework/boot/autoconfigure/jooq/JooqExceptionTranslator.java
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jar/org/springframework/boot/autoconfigure/mustache/MustacheProperties.java
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* /opt/cola/permits/1112362173_1607072356.14/0/spring-boot-autoconfigure-1.5.12-release-sources-1-jar/org/springframework/boot/autoconfigure/AutoConfigurationPackages.java
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* /opt/cola/permits/1112362173_1607072356.14/0/spring-boot-autoconfigure-1.5.12-release-sources-1-jar/org/springframework/boot/autoconfigure/validation/ValidationAutoConfiguration.java
* /opt/cola/permits/1112362173_1607072356.14/0/spring-boot-autoconfigure-1.5.12-release-sources-1-jar/org/springframework/boot/autoconfigure/social/FacebookProperties.java
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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 required pam_deny.so
    account required pam_deny.so
    password required pam_deny.so
    session required pam_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.
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:

    /usr/share/doc/quilt/README.source

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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.
1.767 jackson-jaxrs-xml-provider 2.10.4

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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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1.768 disasterrecoverysdk 7.38.360.360076

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Metadata-Version: 2.1
Name: disasterrecoverysdk
Version: 7.38.360.360076
Summary: Disaster Recovery SDK 7.38.360.360076
Home-page: UNKNOWN
Author: UNKNOWN
Author-email: UNKNOWN
License: UNKNOWN
Platform: UNKNOWN
Requires-Dist: errorlog-api (==7.38.360.*)
Requires-Dist: disasterrecoverymodel (==7.38.360.*)
Requires-Dist: yarl (==1.2.0)
Requires-Dist: grpcio (==1.24.1)
Requires-Dist: aiohttp (==2.3.10)
Requires-Dist: aiofiles (==0.5.0)
Requires-Dist: requests (==2.20.0)
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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/OAI/OpenAPI-Specification/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.
 *
 * @return an optional URL for the license.
 */
String url() default "";
}

1.775 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>

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

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jar/org/springframework/binding/validation/ValidationContext.java
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jar/org/springframework/binding/expression/spel/SimpleEvaluationContextFactory.java
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* /opt/ws_local/PERMITS_SQL/1069089759_1594483164.64/0/spring-binding-2-5-1-release-sources.jar/org/springframework/binding/convert/converters/ObjectToCollection.java

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* /opt/ws_local/PERMITS_SQL/1069089759_1594483164.64/0/spring-binding-2-5-1-release-sources-jar/org/springframework/binding/converter/service/SpringBindingConverterAdapter.java
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1.780 libseccomp2 2.4.1-0ubuntu0.16.04.2

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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
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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1.784 paranamer 2.3

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1.785 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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-- $Id: COPYING,v 1.4 2016/01/02 20:24:37 tom Exp $
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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That's all there is to it! 

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
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.

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

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 */
/*
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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 :-(
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Theodore Ts'o
Initialize empty image
f1c9645dbc14edc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d126e26df055067c18f2e9 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
1beb8724a5d6e4e62d749da65d023 bsd.img
Set 2nd partition type
2d8e8d851a88a045db233418dd73f8 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):

---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):

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 'ATEOQ1&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.

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That's all there is to it!
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:
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:

```c
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:

```c
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:

```c
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);
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```

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    term-utils/wall.c
    term-utils/write.c
    text-utils/col.c
    text-utils/colcrt.c
    text-utils/colrm.c
    text-utils/column.c
    text-utils/hexdump.c
    text-utils/hexdump.h
    text-utils/hexdump-conv.c
    text-utils/hexdump-display.c
    text-utils/hexdump-parse.c
    text-utils/rev.c
    text-utils/ul.c
Files: login-utils/setpwnam.h
    login-utils/setpwnam.c
Copyright: 1994 Martin Schulze <joey@infodrom.north.de>
    1994 Salvatore Valente <svalente@mit.edu>
License: LGPL-2+

Files: libfdisk/*
    libfdisk/src/*
Copyright: 2007-2013 Karel Zak <kzak@redhat.com>
    2012 Davidlohr Bueso <dave@gnu.org>
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Files: lib/cpuset.c
     */match."
    lib/canonicalize.c
    include/at.h
License: LGPL-2.1+

Files: */mbsalign.*
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Files: */readutmp.*
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Files: */timeutils.*
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Files: include/list.h
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    1999-2008 by Theodore Ts'o
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Files: libblkid/*
    libblkid/src/*
    libblkid/samples/*
    libblkid/src/partitions/*
    libblkid/src/superblocks/*
    libblkid/src/topology/*
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    Theodore Ts'o.
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       lib/randutils.c
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Files: misc-utils/blkid.c

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       libmount/src/*

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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
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:

>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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DOWNLOADING

You can find the latest version of this program at:
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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 a 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:
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Initialize empty image
f1c9645d8bc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2df055067c18f2ef9 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
ada64ace122978d00d1d1e0e5ee45d26 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
Disk label 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;</td>
<td>1</td>
<td>2048</td>
<td>4095</td>
<td>2048</td>
<td>1M</td>
<td>83</td>
<td>Linux</td>
</tr>
</tbody>
</table>

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
Disk label 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;</td>
<td>1</td>
<td>2048</td>
<td>4095</td>
<td>2048</td>
<td>1M</td>
<td>83</td>
<td>Linux</td>
</tr>
<tr>
<td>&lt;removed&gt;</td>
<td>2</td>
<td>4096</td>
<td>20479</td>
<td>16384</td>
<td>8M</td>
<td>a5</td>
<td>FreeBSD</td>
</tr>
</tbody>
</table>

Create default BSD
2e1cee529cb59ce9341afe0443f196a1 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
Disk label type: bsd

<table>
<thead>
<tr>
<th>Slice</th>
<th>Start</th>
<th>End</th>
<th>Size</th>
<th>Fsize</th>
<th>Bsize</th>
<th>Cpg</th>
</tr>
</thead>
<tbody>
<tr>
<td>c</td>
<td>4096</td>
<td>20479</td>
<td>16384</td>
<td>8M</td>
<td>unused</td>
<td>0</td>
</tr>
<tr>
<td>d</td>
<td>0</td>
<td>16064</td>
<td>16065</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):
-----------------------

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
Command (m for help):

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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
That's all there is to it!

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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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
2. Boomtime
3. Pungenday
4. Prickle-Prickle
5. Setting Orange

*The DAYS OF THE WEEK are named from the five basic elements: SWEET, BOOM, PUNGENT, PRICKLE, and ORANGE.

HOLYDAYS
A. Apostle Holydays
1. Mungday
2. Mojoday
3. Syaday
4. Zaraday
5. Maladay

B. Seasons Holydays
1. Chaoflux
2. Discoflux
3. Confuflux
4. Bureflux
5. Afflux

Each occurs on the 5th day of the Season
Each occurs on the 50th 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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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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Version 2.1, February 1999

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That's all there is to it!
`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
1 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

<table>
<thead>
<tr>
<th>Device</th>
<th>Boot</th>
<th>Begin</th>
<th>Start</th>
<th>End</th>
<th>Blocks</th>
<th>Id</th>
<th>System</th>
</tr>
</thead>
<tbody>
<tr>
<td>/dev/hda1</td>
<td>*</td>
<td>1</td>
<td>1</td>
<td>236</td>
<td>10021+</td>
<td>10021+</td>
<td>1 DOS 12-bit FAT</td>
</tr>
<tr>
<td>/dev/hda2</td>
<td></td>
<td>837</td>
<td>837</td>
<td>977</td>
<td>5992+</td>
<td>5992+</td>
<td>5 Extended</td>
</tr>
<tr>
<td>/dev/hda3</td>
<td>*</td>
<td>237</td>
<td>237</td>
<td>836</td>
<td>25500</td>
<td>25500</td>
<td>83 Linux native</td>
</tr>
<tr>
<td>/dev/hda5</td>
<td></td>
<td>837</td>
<td>837</td>
<td>936</td>
<td>4249+</td>
<td>4249+</td>
<td>82 Linux swap</td>
</tr>
<tr>
<td>/dev/hda6</td>
<td></td>
<td>942</td>
<td>942</td>
<td>977</td>
<td>1522</td>
<td>1522</td>
<td>1 DOS 12-bit FAT</td>
</tr>
</tbody>
</table>

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 filespace 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

<table>
<thead>
<tr>
<th>Device</th>
<th>Boot</th>
<th>Begin</th>
<th>Start</th>
<th>End</th>
<th>Blocks</th>
<th>Id</th>
<th>System</th>
</tr>
</thead>
<tbody>
<tr>
<td>/dev/hda1</td>
<td>*</td>
<td>1</td>
<td>17</td>
<td>20059</td>
<td>10021+</td>
<td>10021+</td>
<td>1 DOS 12-bit FAT</td>
</tr>
<tr>
<td>/dev/hda2</td>
<td></td>
<td>71060</td>
<td>71060</td>
<td>83044</td>
<td>5992+</td>
<td>5992+</td>
<td>5 Extended</td>
</tr>
<tr>
<td>/dev/hda3</td>
<td>*</td>
<td>20060</td>
<td>20060</td>
<td>71059</td>
<td>25500</td>
<td>25500</td>
<td>83 Linux native</td>
</tr>
<tr>
<td>/dev/hda5</td>
<td></td>
<td>71061</td>
<td>71061</td>
<td>79559</td>
<td>4249+</td>
<td>4249+</td>
<td>82 Linux swap</td>
</tr>
<tr>
<td>/dev/hda6</td>
<td></td>
<td>79985</td>
<td>80001</td>
<td>83044</td>
<td>1522</td>
<td>1522</td>
<td>1 DOS 12-bit FAT</td>
</tr>
</tbody>
</table>
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
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.

Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2df055067c18f2ef9 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
2d8e8dff51a88a045db233418dd73f8e 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
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):

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

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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modify it under the terms of the Modified BSD License.

The complete text of the license is available in the
../Documentation/licenses/COPYING.BSD-3 file.

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.

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).

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*/

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 endutent() call in login.c, simpleinit.c and agetty.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)
<dholland@hcs.harvard.edu>
Fixed write.c, to handle a terminating period correctly.
Re-indent 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,agetty.c,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 ANSI'fied 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 ttys 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


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
jlaio@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/getpriority() 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 jnorriso@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.su.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
ingleuser 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 0.97PL1+ 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 bug fixes 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 mesg.

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 getty.

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}

inittab 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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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/gssapiP.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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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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