Open Source Used In Fluidmesh FM-MONITOR 1.0-rc9

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1.2 slf4j 1.7.30

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1.3 append-transform 0.4.0

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1.4 jctools-core 2.1.1

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1.5 buffer-from 1.0.0

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1.6 node-semver 5.4.1

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1.23 argparse 1.0.9

1.24 play-json 2.7.2

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1.36 mawk 1.3.4.20200120-2

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include/GL/g1.h:

Mesa 3-D graphics library

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1.52 zstd 1.4.4+dfsg-3

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1.56 jackson-annotations 2.9.0

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1.57 strip-ansi 3.0.1
1.58 loose-envify 1.3.1

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1.59 javax-inject 1

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1.61 selinux 3.0-1build2

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1.62 karma-chrome-launcher 2.2.0

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1.63 e2fsprogs 1.45.5-2ubuntu1

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

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

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

image::$(BSD_LIB)

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

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) $(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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Gadi Oxman, August 1995

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1.65 python-defaults 3.6.7 1~18.04

1.66 python 2.7.17-1~18.04

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A. HISTORY OF THE SOFTWARE

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

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

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

All Python releases are Open Source (see http://www.opensource.org for
the Open Source Definition). Historically, most, but not all, Python
releases have also been GPL-compatible; the table below summarizes
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<th>Year</th>
<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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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

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1.67 brace-expansion 1.1.8

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1.68 json-smart 2.3

1.69 regenerator-runtime 0.11.0

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1.70 color-string 0.5.0

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1.71 debianutils 4.9.1

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1.72 chartjs 2.7.1

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1.73 jackson-module-jaxb-annotations 2.9.6
1.74 ansi-styles 3.2.0

1.75 lsb 11.1.0ubuntu2

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### 1.76 netty-transport 4.1.22.Final

### 1.77 default-require-extensions 1.0.0

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1.80 karma-jasmine v1.1.0

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1.81 pam 1.1.8-3.6ubuntu2.18.04.1

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Patch for Ubuntu bug #399071

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

Authors: Dustin Kirkland <kirkland@canonical.com>

Upstream status: Ubuntu-specific, maybe submit to Debian

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

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

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

+    /* Display the legal disclaimer only if necessary */
+    retval = display_legal(pamh);
+    return retval;
}

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

1.82 chalk 2.3.0

1.83 gnupg 2.2.19-3ubuntu2

1.83.1 Available under license :

```
# COPYING.other  -*. org -*.
#+TITLE: List of code with permissive licenses as used by GnuPG.
#+STARTUP: showall

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.
```

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1.85 findutils 4.7.0-1ubuntu1

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Appendix: How to Apply These Terms to Your New Programs

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

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

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

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

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

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

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your
You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here a sample; alter the names:

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

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

That's all there is to it!

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

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Version 3, 29 June 2007

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Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.
"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this 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.


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

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

The "System Libraries" of an executable work include anything, other
than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

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and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

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3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

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You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to
"keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.
c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

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

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

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

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

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

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Version 2, June 1991

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1.89 isaacs-once 1.4.0

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1.92 uglify-to-browserify 1.0.2

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1.93 js-yaml-native-js-port-of-pyyaml 3.10.0

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1.94 pcre 8.39-12build1

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receive more limited attention and support for such scenario.

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Upstream-Name: liblz4
Upstream-Contact: Yann Collet <Cyan4973@github.com>
Source: https://github.com/lz4/lz4

Files: *
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1.97 reactive-streams 1.0.2

1.98 jheaps 0.10
1.98.1 Available under license:
No license file was found, but licenses were detected in source scan.

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<developer>
<name>Dimitrios Michail</name>
<email>dimitrios.michail@gmail.com</email>
<organization>Dimitrios Michail</organization>
<organizationUrl>https://github.com/d-michail</organizationUrl>
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jar/org/jheaps/monotone/LongRadixHeap.java
* /opt/ws_local/PERMITS_SQL/1034701843_1588954610.85/0/jheaps-0-10-sources-
jar/org/jheaps/array/AbstractArrayAddressableHeap.java
* /opt/ws_local/PERMITS_SQL/1034701843_1588954610.85/0/jheaps-0-10-sources-
jar/org/jheaps/ValueHeap.java
* /opt/ws_local/PERMITS_SQL/1034701843_1588954610.85/0/jheaps-0-10-sources-
jar/org/jheaps/monotone/package-info.java
* /opt/ws_local/PERMITS_SQL/1034701843_1588954610.85/0/jheaps-0-10-sources-
jar/org/jheaps/tree/SkewHeap.java
* /opt/ws_local/PERMITS_SQL/1034701843_1588954610.85/0/jheaps-0-10-sources-
jar/org/jheaps/ValueHeap.java
* /opt/ws_local/PERMITS_SQL/1034701843_1588954610.85/0/jheaps-0-10-sources-
jar/org/jheaps/monotone/package-info.java
* /opt/ws_local/PERMITS_SQL/1034701843_1588954610.85/0/jheaps-0-10-sources-
jar/org/jheaps/tree/SimpleFibonacciHeap.java
* /opt/ws_local/PERMITS_SQL/1034701843_1588954610.85/0/jheaps-0-10-sources-
jar/org/jheaps/tree/UnsignedUtils.java
* /opt/ws_local/PERMITS_SQL/1034701843_1588954610.85/0/jheaps-0-10-sources-
jar/org/jheaps/DoubleEndedAddressableHeap.java
* /opt/ws_local/PERMITS_SQL/1034701843_1588954610.85/0/jheaps-0-10-sources-
jar/org/jheaps/monotone/IntegerRadixAddressableHeap.java
* /opt/ws_local/PERMITS_SQL/1034701843_1588954610.85/0/jheaps-0-10-sources-
jar/org/jheaps/monotone/BigIntegerRadixAddressableHeap.java
* /opt/ws_local/PERMITS_SQL/1034701843_1588954610.85/0/jheaps-0-10-sources-
jar/org/jheaps/monotone/LongRadixAddressableHeap.java
* /opt/ws_local/PERMITS_SQL/1034701843_1588954610.85/0/jheaps-0-10-sources-
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jar/org/jheaps/monotone/IntegerRadixHeap.java
* /opt/ws_local/PERMITS_SQL/1034701843_1588954610.85/0/jheaps-0-10-sources-
jar/org/jheaps/tree/BinaryTreeSoftAddressableHeap.java
* /opt/ws_local/PERMITS_SQL/1034701843_1588954610.85/0/jheaps-0-10-sources-
jar/org/jheaps/MergeableHeap.java
* /opt/ws_local/PERMITS_SQL/1034701843_1588954610.85/0/jheaps-0-10-sources-
jar/org/jheaps/annotations/package-info.java
* /opt/ws_local/PERMITS_SQL/1034701843_1588954610.85/0/jheaps-0-10-sources-
jar/org/jheaps/tree/LeftistHeap.java
* /opt/ws_local/PERMITS_SQL/1034701843_1588954610.85/0/jheaps-0-10-sources-
jar/org/jheaps/array/DaryArrayAddressableHeap.java
* /opt/ws_local/PERMITS_SQL/1034701843_1588954610.85/0/jheaps-0-10-sources-
jar/org/jheaps/array/AbstractArrayHeap.java
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jar/org/jheaps/array/AbstractArrayHeap.java
* /opt/ws_local/PERMITS_SQL/1034701843_1588954610.85/0/jheaps-0-10-sources-
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jar/org/jheaps/AddressableHeap.java
* /opt/ws_local/PERMITS_SQL/1034701843_1588954610.85/0/jheaps-0-10-sources-jar/org/jheaps/tree/ReflectedFibonacciHeap.java
* /opt/ws_local/PERMITS_SQL/1034701843_1588954610.85/0/jheaps-0-10-sources-jar/org/jheaps/package-info.java
* /opt/ws_local/PERMITS_SQL/1034701843_1588954610.85/0/jheaps-0-10-sources-jar/org/jheaps/tree/BinaryTreeSoftHeap.java
* /opt/ws_local/PERMITS_SQL/1034701843_1588954610.85/0/jheaps-0-10-sources-jar/org/jheaps/array/package-info.java
* /opt/ws_local/PERMITS_SQL/1034701843_1588954610.85/0/jheaps-0-10-sources-jar/org/jheaps/tree/BinaryTreeAddressableHeap.java
* /opt/ws_local/PERMITS_SQL/1034701843_1588954610.85/0/jheaps-0-10-sources-jar/org/jheaps/array/BinaryArrayAddressableHeap.java
* /opt/ws_local/PERMITS_SQL/1034701843_1588954610.85/0/jheaps-0-10-sources-jar/org/jheaps/annotations/LogarithmicTime.java
* /opt/ws_local/PERMITS_SQL/1034701843_1588954610.85/0/jheaps-0-10-sources-jar/org/jheaps/tree/package-info.java
* /opt/ws_local/PERMITS_SQL/1034701843_1588954610.85/0/jheaps-0-10-sources-jar/org/jheaps/DoubleEndedHeap.java
* /opt/ws_local/PERMITS_SQL/1034701843_1588954610.85/0/jheaps-0-10-sources-jar/org/jheaps/BinaryArrayHeap.java
* /opt/ws_local/PERMITS_SQL/1034701843_1588954610.85/0/jheaps-0-10-sources-jar/org/jheaps/DoubleEndedValueHeap.java
* /opt/ws_local/PERMITS_SQL/1034701843_1588954610.85/0/jheaps-0-10-sources-jar/org/jheaps/tree/ReflectedPairingHeap.java
* /opt/ws_local/PERMITS_SQL/1034701843_1588954610.85/0/jheaps-0-10-sources-jar/org/jheaps/DoubleEndedValueHeap.java
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* /opt/ws_local/PERMITS_SQL/1034701843_1588954610.85/0/jheaps-0-10-sources-jar/org/jheaps/tree/ReflectedPairingHeap.java
* /opt/ws_local/PERMITS_SQL/1034701843_1588954610.85/0/jheaps-0-10-sources-jar/org/jheaps/annotations/LogLogTime.java

1.99 jetty-io 9.4.11.v20180605

1.100 cdebconf 0.251ubuntu1

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1.101 shadow 4.8.1-1ubuntu5.20.04

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ReactiveMongo: a reactive, non-blocking, Scala Driver for MongoDB

Non-blocking, Reactive MongoDB Driver for Scala

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1.114 window-size 0.1.0

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package org.glassfish.jersey.server.monitoring;

import javax.ws.rs.ConstrainedTo;
import javax.ws.rs.RuntimeType;
import org.glassfish.jersey.spi.Contract;

/**
 * Jersey specific provider that listens to [@link ApplicationEvent application events].
 * The implementation of this interface will be called for two kind of events:
 * application events and [@link RequestEvent request events]. This interface will listen to
 * all [@link org.glassfish.jersey.server.monitoring.ApplicationEvent.Type application event types]
 * but only to first request event which is the [@link RequestEvent.Type#START]. On this event the
 * application event listener can decide whether it will listen to the request and return [@link RequestEventListener request event listener] for listening to further request events.
 * }
 * <p/>
 * The implementation of this interface can be registered as a standard Jersey/JAX-RS provider
 * by annotating with [@link javax.ws.rs.ext.Provider @Provider] annotation in the case of
 * class path scanning, by registering as a provider using [@link org.glassfish.jersey.server.ResourceConfig]
 * or by returning from [@link javax.ws.rs.core.Application#getClasses()]
 * or [@link javax.ws.rs.core.Application#getSingletons()]. The provider can be registered only on the server
 * side.
 * <p/>
 * Application event listener can read data of events but must not modify them in any way. The implementation
 * must be thread safe (the methods might be called from different threads).
 * 
 * @author Miroslav Fuksa (miroslav.fuksa at oracle.com)
 */
@Contract
@ConstrainedTo(RuntimeType.SERVER)
public interface ApplicationEventListener {

/**
 * Process the application [@code event]. This method is called when new event occurs.
 * 
 * @param event Application event.
 */
public void onEvent(ApplicationEvent event);

/**
 * Process a new request and return a [@link RequestEventListener request event listener] if
 * listening to [@link RequestEvent request events] is required. The method is called once for
 * each new incoming request. If listening to the request is required then request event must be returned
 * from the method. Such a request event listener will receive all request events that one request. If listening
 * to request event for the request is not required then [@code null] must be returned
 * from the method (do not return empty mock listener in these
 * cases as it will have negative performance impact).
 * 
 * @param requestEvent Event of type [@link RequestEvent.Type#START].
 * @return Request event listener that will monitor the events of the request
 * connected with [@code requestEvent]; null otherwise.
 */
public RequestEventListener onRequest(RequestEvent requestEvent);
}
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* holder.
*/
package org.glassfish.jersey.server.wadl.internal.generators;

import java.io.File;
import java.io.FileInputStream;
import java.io.InputStream;
import java.util.List;
import javax.ws.rs.core.Context;
import javax.ws.rs.core.MediaType;

import javax.inject.Provider;
import javax.xml.parsers.SAXParserFactory;

import org.glassfish.jersey.server.model.Parameter;
import org.glassfish.jersey.server.wadl.WadlGenerator;
import org.glassfish.jersey.server.wadl.internal.ApplicationDescription;
import org.glassfish.jersey.server.wadl.internal.WadlUtils;

import com.sun.research.ws.wadl.Application;
import com.sun.research.ws.wadl.Method;
import com.sun.research.ws.wadl.Param;
import com.sun.research.ws.wadl.Representation;
import com.sun.research.ws.wadl.Request;
import com.sun.research.ws.wadl.Resource;
import com.sun.research.ws.wadl.Resources;
import com.sun.research.ws.wadl.Response;

/**
 * This \{@link org.glassfish.jersey.server.wadl.WadlGenerator\} adds all doc elements provided by \{@link ApplicationDocs#getDocs()\}
 * to the generated wadl-file.
 * 
 * The \{@link ApplicationDocs\} content can either be provided via a \{@link File\} reference
 * \((@link #setApplicationDocsFile(File))\) or
 * via an \{@link InputStream\} \((@link #setApplicationDocsStream(InputStream))\).
 * 
 * The \{@link File\} should be used when using the maven-wadl-plugin for generating wadl offline,
 * the \{@link InputStream\} should be used when the extended wadl is generated by jersey at runtime, e.g.
 * using the \{@link org.glassfish.jersey.server.wadl.config.WadlGeneratorConfig\} for configuration.
 * 
 * Created on: Jun 16, 2008
 * 
 * @author Martin Grotzke (martin.grotzke at freiheit.com)
 */

public class WadlGeneratorApplicationDoc implements WadlGenerator {

    private WadlGenerator _delegate;
    private File _applicationDocsFile;
    private InputStream _applicationDocsStream;
    private ApplicationDocs _applicationDocs;
    @Context
    private Provider<SAXParserFactory> saxFactoryProvider;

public void setWadlGeneratorDelegate(WadlGenerator delegate) {
    _delegate = delegate;
}

public String getRequiredJaxbContextPath() {
    return _delegate.getRequiredJaxbContextPath();
}

public void setApplicationDocsFile(File applicationDocsFile) {
    if (_applicationDocsStream != null) {
        throw new IllegalStateException("The applicationDocsStream property is already set," +

                        " therefore you cannot set the applicationDocsFile property. Only one of both can be set at a time.");
    }
    _applicationDocsFile = applicationDocsFile;
}

public void setApplicationDocsStream(InputStream applicationDocsStream) {
    if (_applicationDocsFile != null) {
        throw new IllegalStateException("The applicationDocsFile property is already set," +

                        " therefore you cannot set the applicationDocsStream property. Only one of both can be set at a time.");
    }
    _applicationDocsStream = applicationDocsStream;
}

public void init() throws Exception {
    if (_applicationDocsFile == null && _applicationDocsStream == null) {
        throw new IllegalStateException("Neither the applicationDocsFile nor the applicationDocsStream" +

                        " is set, one of both is required.");
    }
    _delegate.init();

    InputStream inputStream;
    if (_applicationDocsFile != null) {
        inputStream = new FileInputStream(_applicationDocsFile);
    } else {
        inputStream = _applicationDocsStream;
    }
    _applicationDocs = WadlUtils.unmarshall(inputStream, saxFactoryProvider.get(), ApplicationDocs.class);
}

/**
 * @return the application
 * @see org.glassfish.jersey.server.wadl.WadlGenerator#createApplication()
 */

public Application createApplication() {
    final Application result = _delegate.createApplication();
if (_applicationDocs != null && _applicationDocs.getDocs() != null && 
    !_applicationDocs.getDocs().isEmpty()) { 
    result.getDoc().addAll(_applicationDocs.getDocs()); 
} 
return result;

/**
 * @param r
 * @param m
 * @return the method
 * @see org.glassfish.jersey.server.wadl.WadlGenerator#createMethod(org.glassfish.jersey.server.model.Resource,
 *                  org.glassfish.jersey.server.model.ResourceMethod)
 */
public Method createMethod(org.glassfish.jersey.server.model.Resource r,
                          org.glassfish.jersey.server.model.ResourceMethod m) { 
    return _delegate.createMethod(r, m);
}

/**
 * @param r
 * @param m
 * @param mediaType
 * @return representation type
 * @see org.glassfish.jersey.server.wadl.WadlGenerator#createRequestRepresentation(org.glassfish.jersey.server.
 *                                  ws.rs.core.MediaType)
 */
public Representation createRequestRepresentation(org.glassfish.jersey.server.model.Resource r,
                                                    org.glassfish.jersey.server.model.ResourceMethod m,
                                                    MediaType mediaType) { 
    return _delegate.createRequestRepresentation(r, m, mediaType);
}

/**
 * @param r
 * @param m
 * @return request
 * @see org.glassfish.jersey.server.wadl.WadlGenerator#createRequest(org.glassfish.jersey.server.
 */
public Request createRequest(org.glassfish.jersey.server.model.Resource r,
                             org.glassfish.jersey.server.model.ResourceMethod m) { 
    return _delegate.createRequest(r, m);
/**
 * @param r
 * @param m
 * @param p
 * @return parameter
 * @see org.glassfish.jersey.server.wadl.WadlGenerator#createParam(org.glassfish.jersey.server.model.Resource,
 */
public Param createParam(org.glassfish.jersey.server.model.Resource r,
          org.glassfish.jersey.server.model.ResourceMethod m,
          Parameter p) {
    return _delegate.createParam(r, m, p);
}

/**
 * @param r
 * @param path
 * @return resource
 * @see org.glassfish.jersey.server.wadl.WadlGenerator#createResource(org.glassfish.jersey.server.model.Resource, String)
 */
public Resource createResource(org.glassfish.jersey.server.model.Resource r, String path) {
    return _delegate.createResource(r, path);
}

/**
 * @param r
 * @param m
 * @return response
 * @see org.glassfish.jersey.server.wadl.WadlGenerator#createResponses(org.glassfish.jersey.server.model.Resource,
 * org.glassfish.jersey.server.model.ResourceMethod)
 */
public List<Response> createResponses(org.glassfish.jersey.server.model.Resource r,
          org.glassfish.jersey.server.model.ResourceMethod m) {
    return _delegate.createResponses(r, m);
}

/**
 * @return resources
 * @see org.glassfish.jersey.server.wadl.WadlGenerator#createResources()
 */
public Resources createResources() {
    return _delegate.createResources();
}
@Override
public ExternalGrammarDefinition createExternalGrammar() {
    return _delegate.createExternalGrammar();
}

@Override
public void attachTypes(ApplicationDescription egd) {
    _delegate.attachTypes(egd);
}

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package org.glassfish.jersey.server.wadl.internal;

import java.util.ArrayList;
import java.util.List;
import javax.ws.rs.core.MediaType;
import javax.xml.namespace.QName;
import org.glassfish.jersey.server.model.Parameter;
import org.glassfish.jersey.server.model.ResourceMethod;
import org.glassfish.jersey.server.wadl.WadlGenerator;

import com.sun.research.ws.wadl.Application;
import com.sun.research.ws.wadl.Param;
import com.sun.research.ws.wadl.ParamStyle;
import com.sun.research.ws.wadl.Representation;
import com.sun.research.ws.wadl.Request;
import com.sun.research.ws.wadl.Resource;
import com.sun.research.ws.wadl.Resources;
import com.sun.research.ws.wadl.Response;

/**
 * This WadlGenerator creates the basic wadl artifacts.<br>
 * Created on: Jun 16, 2008<br>
 *
 * @author Martin Grotzke (martin.grotzke at freiheit.com)
 * @author Miroslav Fuksa (miroslav.fuksa at oracle.com)
 */
public class WadlGeneratorImpl implements WadlGenerator {

    @Override
    public String getRequiredJaxbContextPath() {
        final String name = Application.class.getName();
        return name.substring(0, name.lastIndexOf('.'));
    }

    @Override
    public void init() {
    }

    @Override
    public void setWadlGeneratorDelegate(WadlGenerator delegate) {

    }
}
throw new UnsupportedOperationException("No delegate supported.");
}

@Override
public Resources createResources()
{
    return new Resources();
}

@Override
public Application createApplication()
{
    return new Application();
}

@Override
public com.sun.research.ws.wadl.Method createMethod(
    org.glassfish.jersey.server.model.Resource r, final ResourceMethod m)
{
    com.sun.research.ws.wadl.Method wadlMethod =
    new com.sun.research.ws.wadl.Method();
    wadlMethod.setName(m.getHttpMethod());
    wadlMethod.setId(m.getInvocable().getDefinitionMethod().getName());
    if (m.isExtended())
    {
        wadlMethod.getAny().add(WadlApplicationContextImpl.extendedElement);
    }
    return wadlMethod;
}

@Override
public Representation createRequestRepresentation(org.glassfish.jersey.server.model.Resource r,
    ResourceMethod m, MediaType mediaType)
{
    Representation wadlRepresentation = new Representation();
    wadlRepresentation.setMediaType(mediaType.toString());
    return wadlRepresentation;
}

@Override
public Request createRequest(org.glassfish.jersey.server.model.Resource r, ResourceMethod m)
{
    return new Request();
}

@Override
public Param createParam(org.glassfish.jersey.server.model.Resource r, ResourceMethod m, final Parameter p)
{
    if (p.getSource() == Parameter.Source.UNKNOWN)
    {
        return null;
    }

    Param wadlParam = new Param();
    wadlParam.setName(p.getSourceName());
switch (p.getSource()) {
    case FORM:
        wadlParam.setStyle(ParamStyle.QUERY);
        break;
    case QUERY:
        wadlParam.setStyle(ParamStyle.QUERY);
        break;
    case MATRIX:
        wadlParam.setStyle(ParamStyle.MATRIX);
        break;
    case PATH:
        wadlParam.setStyle(ParamStyle.TEMPLATE);
        break;
    case HEADER:
        wadlParam.setStyle(ParamStyle.HEADER);
        break;
    case COOKIE:
        // Generates name="Cookie" path="<name>"
        wadlParam.setStyle(ParamStyle.HEADER);
        wadlParam.setName("Cookie");
        wadlParam.setPath(p.getSourceName());
        break;
    default:
        break;
}

if (p.hasDefaultValue())
    wadlParam.setDefault(p.getDefaultValue());
Class<?> pClass = p.getRawType();
if (pClass.isArray()) {
    wadlParam.setRepeating(true);
    pClass = pClass.getComponentType();
}

if (pClass.equals(int.class) || pClass.equals(Integer.class))
    wadlParam.setType(new QName("http://www.w3.org/2001/XMLSchema", "int", "xs"));
else if (pClass.equals(boolean.class) || pClass.equals(Boolean.class))
    wadlParam.setType(new QName("http://www.w3.org/2001/XMLSchema", "boolean", "xs"));
else if (pClass.equals(long.class) || pClass.equals(Long.class))
    wadlParam.setType(new QName("http://www.w3.org/2001/XMLSchema", "long", "xs"));
else if (pClass.equals(short.class) || pClass.equals(Short.class))
    wadlParam.setType(new QName("http://www.w3.org/2001/XMLSchema", "short", "xs"));
else if (pClass.equals(byte.class) || pClass.equals(Byte.class))
    wadlParam.setType(new QName("http://www.w3.org/2001/XMLSchema", "byte", "xs"));
else if (pClass.equals(float.class) || pClass.equals(Float.class))
    wadlParam.setType(new QName("http://www.w3.org/2001/XMLSchema", "float", "xs"));
else if (pClass.equals(double.class) || pClass.equals(Double.class))
    wadlParam.setType(new QName("http://www.w3.org/2001/XMLSchema", "double", "xs"));
else
@Override
public Resource createResource(org.glassfish.jersey.server.model.Resource resource, String path) {
    Resource wadlResource = new Resource();
    if (path != null) {
        wadlResource.setPath(path);
    } else if (resource.getPath() != null) {
        wadlResource.setPath(resource.getPath());
    }

    if (resource.isExtended()) {
        wadlResource.getAny().add(WadlApplicationContextImpl.extendedElement);
    }

    return wadlResource;
}

@Override
public List<Response> createResponses(org.glassfish.jersey.server.model.Resource r, ResourceMethod m) {
    final Response response = new Response();
    for (MediaType mediaType : m.getProducedTypes()) {
        if (!MediaType.WILDCARD_TYPE.equals(mediaType)
            || !hasEmptyProducibleMediaTypeSet(m)) {
            Representation wadlRepresentation = createResponseRepresentation(r, m, mediaType);
            response.getRepresentation().add(wadlRepresentation);
        }
    }

    List<Response> responses = new ArrayList<Response>();
    responses.add(response);
    return responses;
}

private boolean hasEmptyProducibleMediaTypeSet(final ResourceMethod method) {
    return method.getProducedTypes().isEmpty();
}

public Representation createResponseRepresentation(org.glassfish.jersey.server.model.Resource r, ResourceMethod m, MediaType mediaType) {
    Representation wadlRepresentation = new Representation();
    wadlRepresentation.setMediaType(mediaType.toString());
return wadlRepresentation;
}

// ================ methods for post build actions =======================

@override
public ExternalGrammarDefinition createExternalGrammar() {
    // Return an empty list to add to
    return new ExternalGrammarDefinition();
}

@override
public void attachTypes(ApplicationDescription egd) {
}
}/*
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package org.glassfish.jersey.server.wadl.internal;

import java.net.URI;
import java.security.AccessController;
import java.util.logging.Level;
import java.util.logging.Logger;

import javax.ws.rs.ProcessingException;
import javax.ws.rs.core.Configuration;
import javax.ws.rs.core.Context;
import javax.ws.rs.core.UriBuilder;
import javax.ws.rs.core.UriInfo;
import javax.xml.bind.JAXBContext;
import javax.xml.bind.JAXBElement;
import javax.xml.bind.JAXBException;
import javax.xml.namespace.QName;
import org.glassfish.jersey.internal.util.ReflectionHelper;
import org.glassfish.jersey.server.ExtendedResourceContext;
import org.glassfish.jersey.server.internal.LocalizationMessages;
import org.glassfish.jersey.server.wadl.WadlApplicationContext;
import org.glassfish.jersey.server.wadl.WadlGenerator;
import org.glassfish.jersey.server.wadl.config.WadlGeneratorConfig;
import org.glassfish.jersey.server.wadl.config.WadlGeneratorConfigLoader;
import org.glassfish.hk2.api.ServiceLocator;

import com.sun.research.ws.wadl.Application;
import com.sun.research.ws.wadl.Doc;
import com.sun.research.ws.wadl.Grammars;
import com.sun.research.ws.wadl.Include;
import com.sun.research.ws.wadl.Resource;
import com.sun.research.ws.wadl.Resources;

/**
 * WADL application context implementation.
 *
 * @author Paul Sandoz (paul.sandoz at oracle.com)
 */
public class WadlApplicationContextImpl implements WadlApplicationContext {

    private static final Logger LOGGER = Logger.getLogger(WadlApplicationContextImpl.class.getName());

    static final String WADL_JERSEY_NAMESPACE = "http://jersey.java.net/";
    public static final JAXBElement extendedElement = new JAXBElement<String>(
            new QName(WADL_JERSEY_NAMESPACE, "extended", "jersey"), String.class, "true");

    @Context
    private ExtendedResourceContext resourceContext;

    private final ServiceLocator serviceLocator;

    private boolean wadlGenerationEnabled = true;

    private final WadlGeneratorConfig wadlGeneratorConfig;

    private final JAXBContext jaxbContext;

    public WadlApplicationContextImpl(@Context Configuration configuration, @Context ServiceLocator serviceLocator) {
        this.serviceLocator = serviceLocator;
        this.wadlGeneratorConfig = WadlGeneratorConfigLoader.loadWadlGeneratorsFromConfig(configuration.getProperties());

        // TODO perhaps this should be done another way for the moment
        // create a temporary generator just to do this one task
        final WadlGenerator wadlGenerator = wadlGeneratorConfig.createWadlGenerator(serviceLocator);

        JAXBContext jaxbContextCandidate;

        final ClassLoader contextClassLoader = AccessController.doPrivileged(ReflectionHelper.getContextClassLoaderPA());
        try {
            // Nasty ClassLoader magic. JAXB-API has some strange limitation about what classloader can
            // be used in OSGi environment - it must be same as context ClassLoader. Following code just
            // workarounds this limitation
            // see JERSEY-1818
            // see JSR222-46

            final ClassLoader jerseyModuleClassLoader = AccessController.doPrivileged(ReflectionHelper.getClassLoaderPA(wadlGenerator.getClass()));
            AccessController.doPrivileged(ReflectionHelper.getContextClassLoaderPA());

            AccessController.doPrivileged(ReflectionHelper.getContextClassLoaderPA());

            jaxbContextCandidate = JAXBContext.newInstance(wadlGenerator.getRequiredJaxbContextPath(),
                    jerseyModuleClassLoader);
catch (JAXBException ex) {
    try {
        // fallback for glassfish
        LOGGER.log(Level.FINE, LocalizationMessages.WADL_JAXB_CONTEXT_FALLBACK(), ex);
        jaxbContextCandidate = JAXBContext.newInstance(wadlGenerator.getRequiredJaxbContextPath());
    } catch (JAXBException innerEx) {
        throw new ProcessingException(LocalizationMessages.ERROR_WADL_JAXB_CONTEXT(), ex);
    }
}

finally {
    AccessController.doPrivileged(ReflectionHelper.setContextClassLoaderPA(contextClassLoader));
}

jaxbContext = jaxbContextCandidate;

@Override
public ApplicationDescription getApplication(UriInfo uriInfo, boolean detailedWadl) {
    ApplicationDescription applicationDescription = getWadlBuilder(detailedWadl, uriInfo)
        .generate(resourceContext.getResourceModel().getRootResources());
    final Application application = applicationDescription.getApplication();
    for (Resources resources : application.getResources()) {
        if (resources.getBase() == null) {
            resources.setBase(uriInfo.getBaseUri().toString());
        }
    }
    attachExternalGrammar(application, applicationDescription, uriInfo.getRequestUri());
    return applicationDescription;
}

@Override
public Application getApplication(UriInfo info, org.glassfish.jersey.server.model.Resource resource, boolean detailedWadl) {
    // Get the root application description
    ApplicationDescription description = getApplication(info, detailedWadl);

    WadlGenerator wadlGenerator = wadlGeneratorConfig.createWadlGenerator(serviceLocator);
    Application application = new WadlBuilder(wadlGenerator, detailedWadl, info).generate(description, resource);
    if (application == null) {
        return null;
    }
    for (Resources resources : application.getResources()) {
        resources.setBase(info.getBaseUri().toString());
    }
}
// Attach any grammar we may have

attachExternalGrammar(application, description, info.getRequestUri());

for (Resources resources : application.getResources()) {
    final Resource r = resources.getResource().get(0);
    r.setPath(info.getBaseUri().relativize(info.getAbsolutePath()).toString());

    // remove path params since path is fixed at this point
    r.getParam().clear();
}

return application;

// TODO probably no longer required
@Override
public JAXBContext getJAXBContext() {
    return jaxbContext;
}

private WadlBuilder getWadlBuilder(boolean detailedWadl, UriInfo uriInfo) {
    return (this.wadlGenerationEnabled ? new WadlBuilder(wadlGeneratorConfig.createWadlGenerator(serviceLocator), detailedWadl, uriInfo) : null);
}

@Override
public void setWadlGenerationEnabled(boolean wadlGenerationEnabled) {
    this.wadlGenerationEnabled = wadlGenerationEnabled;
}

@Override
public boolean isWadlGenerationEnabled() {
    return wadlGenerationEnabled;
}

/**
 * Update the application object to include the generated grammar objects
 */
private void attachExternalGrammar(
    Application application,
    ApplicationDescription applicationDescription,
    URI requestURI) {

    // Massage the application.wadl URI slightly to get the right effect
try {
    final String requestURIPath = requestURI.getPath();
    if (requestURIPath.endsWith("application.wadl")) {
        requestURI = UriBuilder.fromUri(requestURI)
            .replacePath(requestURIPath
                .substring(0, requestURIPath.lastIndexOf('/') + 1))
            .build();
    }

    String root = application.getResources().get(0).getBase();
    UriBuilder extendedPath = root != null ?
        UriBuilder.fromPath(root).path("/application.wadl/")
        : UriBuilder.fromPath("/application.wadl/");
    URI rootURI = root != null ? UriBuilder.fromPath(root).build() : null;

    // Add a reference to this grammar
    //
    Grammars grammars;
    if (application.getGrammars() != null) {
        LOGGER.info(LocalizationMessages.ERROR_WADL_GRAMMAR_ALREADY_CONTAINS());
        grammars = application.getGrammars();
    } else {
        grammars = new Grammars();
        application.setGrammars(grammars);
    }

    // Create a reference back to the root WADL
    //
    for (String path : applicationDescription.getExternalMetadataKeys()) {
        URI schemaURI =
            extendedPath.clone().path(path).build();
        String schemaPath = rootURI != null ?
            requestURI.relativize(schemaURI).toString()
            : schemaURI.toString();
        Include include = new Include();
        include.setHref(schemaPath);
        Doc doc = new Doc();
        doc.setLang("en");
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package org.glassfish.jersey.server.monitoring;

import java.util.Date;
import java.util.Map;
import java.util.Set;

/**
 * Application MX Bean.
 *
 * @author Miroslav Fuksa (miroslav.fuksa at oracle.com)
 */
public interface ApplicationMXBean {
    /**
     * Get the application name.
     *
     * @return Application name.
     */
    public String getApplicationName();

    /**
     * Get the \{ @link javax.ws.rs.core.Application application class \} used for configuration of Jersey application.
     *
     * @return Application class name.
     */
    public String getApplicationClass();

    /**
     * Get the map of configuration properties converted to strings.
     *
     * @return Map property keys to property string values.
     */
    public Map<String, String> getProperties();

    /**
     * Get the start time of the application (when application was initialized).
     *
     * @return Application start time.
     */
    public Date getStartTime();

    /**
     * Get a set of string names of resource classes registered by the user.
     *
     * @return Set of classes full names (with package names).
     * @see org.glassfish.jersey.server.monitoring.ApplicationEvent#getRegisteredClasses() for specification
     */
}
* of returned classes.
*/
public Set<String> getRegisteredClasses();

/**
 * Get a set of string names of classes of user registered instances.
 *
 * @return Set of user registered instances converted to their class full names (with package names).
 * @see org.glassfish.jersey.server.monitoring.ApplicationEvent#getRegisteredInstances()
 * for specification of returned instances.
 */
public Set<String> getRegisteredInstances();

/**
 * Get classes of registered providers.
 *
 * @return Set of provider class full names (with packages names).
 * @see org.glassfish.jersey.server.monitoring.ApplicationEvent#getProviders() for specification
 * of returned classes.
 */
public Set<String> getProviderClasses();
}

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package org.glassfish.jersey.server.monitoring;

import java.util.Date;
import java.util.Set;

import org.glassfish.jersey.server.ResourceConfig;

/**
 * Monitoring statistics and configuration of an application.
 * <p>
 * Statistics retrieved from Jersey runtime might be mutable and thanks to it might provide inconsistent data
 * as not all statistics are updated in the same time. To retrieve the immutable and consistent
 * statistics data the method {@link #snapshot()} should be used.
 * 
 * @author Miroslav Fuksa (miroslav.fuksa at oracle.com)
 * @see MonitoringStatistics See MonitoringStatistics class for general details about statistics.
 */
public interface ApplicationStatistics {

    /**
     * Get the resource config.
     * 
     * @return Resource config.
     */
    public ResourceConfig getResourceConfig();

    /**
     * Get the start time of the application.
     * 
     * @return Time when an application initialization has been finished.
     */
    public Date getStartTime();

    /**
     * Get the time when application destroy (stop) has been finished.
     * 
     * @return Time when an application destroy (stop) has been finished.
     */
}
    /**
     * Get resource classes registered by the user in the current application. The set contains only
     * user resource classes and not resource classes added by Jersey
     * or by [ @link org.glassfish.jersey.server.model.ModelProcessor].
     * <p/>
     * User resources are resources that
     * were explicitly registered by the configuration, discovered by the class path scanning or that
     * constructs explicitly registered [ @link org.glassfish.jersey.server.model.Resource programmatic resource].
     *<
     * @return Resource user registered classes.
     */
    public Set<Class<?>> getRegisteredClasses();

    /**
     * Get resource instances registered by the user in the current application. The set contains only
     * user resources and not resources added by Jersey
     * or by [ @link org.glassfish.jersey.server.model.ModelProcessor].
     * <p/>
     * User resources are resources that
     * were explicitly registered by the configuration, discovered by the class path scanning or that
     * constructs explicitly registered [ @link org.glassfish.jersey.server.model.Resource programmatic resource].
     *<
     * @return Resource instances registered by user.
     */
    public Set<Object> getRegisteredInstances();

    /**
     * Get registered providers available in the runtime. The registered providers
     * are providers like [ @link org.glassfish.jersey.server.model.MethodList.Filter filters],
     * [ @link javax.ws.rs.ext.ReaderInterceptor reader] and [ @link javax.ws.rs.ext.WriterInterceptor writer]
     * interceptors which are explicitly registered by configuration, or annotated by
     * [ @link javax.ws.rs.ext.Provider @Provider] or registered in META-INF/services. The
     * set does not include providers that are by default built in Jersey.
     *<
     * @return Set of provider classes.
     */
    public Set<Class<?>> getProviders();
/**
 * Get the immutable consistent snapshot of the monitoring statistics. Working with snapshots might
 * have negative performance impact as snapshot must be created but ensures consistency of data over time.
 * However, the usage of snapshot is encouraged to avoid working with inconsistent data. Not all statistics
 * must be updated in the same time on mutable version of statistics.
 *
 * @return Snapshot of application statistics.
 */

public ApplicationStatistics snapshot();

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package org.glassfish.jersey.server.wadl.internal.generators;

import java.util.ArrayList;
import java.util.List;

import javax.xml.bind.annotation.XmlAccessType;
import javax.xml.bind.annotation.XmlAccessorType;
import javax.xml.bind.annotation.XmlElement;
import javax.xml.bind.annotation.XmlRootElement;
import javax.xml.bind.annotation.XmlType;
import com.sun.research.ws.wadl.Doc;

/**
 * The wrapper root document for multiple {@link Doc} elements.
 * Created on: Jun 10, 2008<br/>
 *
 * @author Martin Grotzke (martin.grotzke at freiheit.com)
 */
@XmlAccessorType(XmlAccessType.FIELD)
@XmlType(name = "applicationDocs", propOrder = {

"docs"
})
@XmlRootElement(name = "applicationDocs")
public class ApplicationDocs {

    @XmlElement(name = "doc")
    protected List<Doc> docs;

    public List<Doc> getDocs() {
        if (docs == null) {
            docs = new ArrayList<Doc>();
        }
        return this.docs;
    }

    }

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package org.glassfish.jersey.server.wadl.internal;

import java.util.Set;
import javax.ws.rs.core.MediaType;
import javax.xml.namespace.QName;
import org.glassfish.jersey.server.wadl.WadlGenerator;
import com.sun.research.ws.wadl.Application;

/**
 * This class is designed to combine the Application instance with any other
 * external metadata that might be required to describe the application.
 *
 * @author Gerard Davison
 */
public class ApplicationDescription {

    private Application _application;
    private WadlGenerator.ExternalGrammarDefinition _externalGrammarDefiniton;

    ApplicationDescription(Application application, WadlGenerator.ExternalGrammarDefinition externalGrammarDefiniton) {
        super();
        this._application = application;
        this._externalGrammarDefiniton = externalGrammarDefiniton;
    }

    /**
     * @return The instance of the application object
     */
    public Application getApplication() {
        return _application;
    }

    /**
     * @param type java class to be resolved.
     * @return the QName for the given Class in the grammar.
     */
    public QName resolve(Class type) {
        return _externalGrammarDefiniton.resolve(type);
    }

    /**
     * @param path path to external metadata.
     * @return the external metadata for a given URL, generally provided as a sub resource or the root application.wadl.
     */
    public ExternalGrammar getExternalGrammar(String path) {
        return _externalGrammarDefiniton.map.get(path);
    }

    /**
     * @return A set of all the external metadata keys
     */
    public Set<String> getExternalMetadataKeys() {
        return _externalGrammarDefiniton.map.keySet();
    }

    /**
     * A simple holder class that stores a type and binary content to be used to return extra metadata with
     */
    public static class ExternalGrammar {
private MediaType _type;
private byte[] _content;

public ExternalGrammar(MediaType type, byte[] content) {
    super();
    this._type = type;
    this._content = content.clone();
}

public MediaType getType() {
    return _type;
}

public byte[] getContent() {
    // Defensive copy
    return _content.clone();
}

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package org.glassfish.jersey.server.wadl;

import javax.ws.rs.core.UriInfo;
import javax.xml.bind.JAXBContext;
import org.glassfish.jersey.server.wadl.internal.ApplicationDescription;
import com.sun.research.ws.wadl.Application;

/**
 * A context to obtain WADL-based information.
 *
 * @author Paul.Sandoz
 */
public interface WadlApplicationContext {

    /**
     * Get a WADL builder initiated with the configured {link WadlGenerator}
     * for the Web application.
     *
     * @return the WADL builder.
     */
    WadlBuilder getWadlBuilder();

    /**
     * Get a new instance of a {link ApplicationDescription} corresponding to all
     * the root resource classes.
     *
     * @return the application description, the contents may be modified.
     */
    ApplicationDescription getApplication();

    /**
     * Get a new instance of a {link ApplicationDescription} corresponding to all
     * the root resource classes, and configure the base URI.
     *
     * @param ui the URI information from which the base URI is set on the
* WADL application.
* @return the application description, the contents may be modified.
*/

ApplicationDescription getApplication(UriInfo ui, boolean detailedWadl);

/**
 * Get a new instance of { @link Application} for a particular resource.
 *
 * @param info the URI information from which the base URI is set on the
 *              WADL application.
 * @param resource the resource to build the Application for
 * @return the application for this resource
 */

Application getApplication(UriInfo info,
                            org.glassfish.jersey.server.model.Resource resource, boolean detailedWadl);

/**
 * Get the default JAXB context associated with the { @link WadlGenerator}
 * for the Web application.
 *
 * @return the default JAXB context.
 */

JAXBContext getJAXBContext();

//    /**
//     * Get the default JAXB context path to create a { @link JAXBContext}.
//     *
//     * @return the default JAXB context.
//     */
// String getJAXBContextPath();

/**
 * Enable/disable WADL generation.
 *
 * @param wadlGenerationEnabled if wadlGenerationEnabled is true and
 *                              { @link org.glassfish.jersey.server.ServerProperties#WADL_FEATURE_DISABLE}
 *                              is false, WADL generation is enabled. In all other cases is disabled.
 */

void setWadlGenerationEnabled(boolean wadlGenerationEnabled);

/**
 * Get WADL generation status.
 *
 * @return true when WADL generation is enabled. Does not take
 *         { @link org.glassfish.jersey.server.ServerProperties#WADL_FEATURE_DISABLE}
 */

boolean isWadlGenerationEnabled();
package org.glassfish.jersey.server.monitoring;

import java.util.Set;

import org.glassfish.jersey.server.ResourceConfig;
import org.glassfish.jersey.server.model.ResourceModel;
An event informing about application lifecycle changes. The event is created by Jersey runtime and handled by user registered [@link ApplicationEventListener application event listener].

The event contains the [@link Type] which distinguishes between types of event. There are various properties in the event (accessible by getters) and some of them might be relevant only to specific event types.

Note that internal state of the event must be modified. Even the event is immutable it exposes objects which might be mutable and the code of event listener must not change state of these objects.

@since 2.5

public interface ApplicationEvent {

    public static enum Type {

        INITIALIZATION_START,

        INITIALIZATION_APP_FINISHED,

        INITIALIZATION_FINISHED,

        DESTROY_FINISHED,

        RELOAD_FINISHED
    }

    public static enum Type {

        INITIALIZATION_START,

        INITIALIZATION_APP_FINISHED,

        INITIALIZATION_FINISHED,

        DESTROY_FINISHED,

        RELOAD_FINISHED
    }

    public static int type()

/**
 * Return the type of the event.
 * @return Event type.
 */
public Type getType();

/**
 * Get resource config associated with the application. The resource config is set for all event types.
 * @return Resource config on which this application is based on.
 */
public ResourceConfig getResourceConfig();

/**
 * Get resource classes registered by the user in the current application. The set contains only
 * user resource classes and not resource classes added by Jersey
 * or by {@link org.glassfish.jersey.server.model.ModelProcessor}.
 * User resources are resources that
 * were explicitly registered by the configuration, discovered by the class path scanning or that
 * constructs explicitly registered {@link org.glassfish.jersey.server.model.Resource programmatic resource}.
 * @return Resource user registered classes.
 */
public Set<Class<?>> getRegisteredClasses();

/**
 * Get resource instances registered by the user in the current application. The set contains only
 * user resources and not resources added by Jersey
 * or by {@link org.glassfish.jersey.server.model.ModelProcessor}.
 * User resources are resources that
 * were explicitly registered by the configuration, discovered by the class path scanning or that
 * constructs explicitly registered {@link org.glassfish.jersey.server.model.Resource programmatic resource}.
 * @return Resource instances registered by user.
 */
public Set<Object> getRegisteredInstances();

/**
 * Get registered providers available in the runtime. The registered providers
 * are providers like {@link org.glassfish.jersey.server.model.MethodList.Filter filters},
 * {@link javax.ws.rs.ext.ReaderInterceptor reader} and {@link javax.ws.rs.ext.WriterInterceptor writer}
 * interceptors which are explicitly registered by configuration, or annotated by
* { @link javax.ws.rs.ext.Provider @Provider} or registered in META-INF/services. The
* set does not include providers that are by default built in Jersey.
*
* @return Set of provider classes.
*/
public Set<Class<?>> getProviders();

/**
 * Get the resource model of the application. The method returns null for
 * { @link Type#INITIALIZATION_START} event type as the resource model is not initialized yet.
 * The returned resource model is the final deployed model including resources enhanced by
 * { @link org.glassfish.jersey.server.model.ModelProcessor model processors}.
 *
* @return Resource model of the deployed application.
*/
public ResourceModel getResourceModel();

}

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1.117 tslib 1.9.0

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1.121 build-link 2.7.2

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1.122 visionmedia-debug 2.6.9

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1.137 repeat-string 1.6.1

1.138 lodash 4.17.4

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1.140 pcre2 10.34-7
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1.141 jackson-databind 2.9.6
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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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1.142 unzip 6.0 21ubuntu1
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Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and others. See the file CONTRIBS in the source distribution for a much more complete list of contributors.
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1.143 node-optimist 0.6.1
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1.144 isexe 2.0.0

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1.145 libseccomp 2.4.3-1ubuntu3.20.04.3

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1.151 istanbul-lib-instrument 1.10.1

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1.152 istanbul-lib-source-maps 1.2.4

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1.153 ubuntu-keyring 2020.02.11.2

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1.154 node-source-map-support 0.5.5
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1.158 ansi-regex 2.1.1

1.159 dash 0.5.10.2-6

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1.162 tslint 5.9.1

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1.163 yargs 3.10.0

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1.164 center-align 0.1.3

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1.165 hostname 3.23

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1.166 jcl-over-slf4j 1.7.26

1.167 util-linux 2.34-0.1ubuntu9

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1.171 babel-runtime 6.26.0

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

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

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

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

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

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

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

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

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UUencode and UUdecode functions
-------------------------------

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with Python standard

XML Remote Procedure Calls
--------------------------

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test_epoll

----------

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----------
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SipHash24
--------

The file :file:`Python/pyhash.c` contains Marek Majkowski' implementation of Dan Bernstein's SipHash24 algorithm. The contains the following note::

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

strtod and dtoa
---------------

The file :file:`Python/dtoa.c`, which supplies C functions dtoa and strtod for conversion of C doubles to and from strings, is derived from the file of the same name by David M. Gay, currently available from http://www.netlib.org/fp/. The original file, as retrieved on March 16, 2009, contains the following copyright and licensing notice::

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----

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

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-------

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

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
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Because of this blurred distinction, using the ordinary General
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1.183 babel-traverse 6.26.0
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1.185 qix-color-convert 0.5.3

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1.187 oauth-signpost 2.0.3

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### 1.191 hk2-api 2.2.0

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1.193 nimbus-jose-jwt 4.41.1

1.194 node-fileset 2.0.3
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1.196 compare-versions 3.1.0

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1.197 babel-types 6.26.0

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1.198 libxcrypt 4.4.10-10ubuntu4

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1.205 arrify 1.0.1

1.206 coreutils 8.30-3ubuntu2
1.206.1 Available under license:
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1.208 json-java 20160810

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1.210 lazy-cache 1.0.4

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* /opt/ws_local/PERMITS_SQL/1013582616_1591370584.70/javassist-3-18-1-ga-sources-
  jar/javassist/bytecode/annotation/LongMemberValue.java
* /opt/ws_local/PERMITS_SQL/1013582616_1591370584.70/javassist-3-18-1-ga-sources-
  jar/javassist/bytecode/annotation/StringMemberValue.java
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  jar/javassist/bytecode/annotation/MemberValue.java
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  jar/javassist/bytecode/annotation/MemberValueVisitor.java
* /opt/ws_local/PERMITS_SQL/1013582616_1591370584.70/javassist-3-18-1-ga-sources-
  jar/javassist/bytecode/annotation/ArrayMemberValue.java
* /opt/ws_local/PERMITS_SQL/1013582616_1591370584.70/javassist-3-18-1-ga-sources-
  jar/javassist/bytecode/annotation/CharMemberValue.java
* /opt/ws_local/PERMITS_SQL/1013582616_1591370584.70/javassist-3-18-1-ga-sources-
  jar/javassist/bytecode/annotation/ByteMemberValue.java
* /opt/ws_local/PERMITS_SQL/1013582616_1591370584.70/javassist-3-18-1-ga-sources-
  jar/javassist/bytecode/annotation/DoubleMemberValue.java
* /opt/ws_local/PERMITS_SQL/1013582616_1591370584.70/javassist-3-18-1-ga-sources-
  jar/javassist/bytecode/annotation/EnumMemberValue.java
* /opt/ws_local/PERMITS_SQL/1013582616_1591370584.70/javassist-3-18-1-ga-sources-
  jar/javassist/bytecode/annotation/IntegerMemberValue.java

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*/
* /opt/ws_local/PERMITS_SQL/1013582616_1591370584.70/javassist-3-18-1-ga-sources-jar/javassist/bytecode/analysis/MultiArrayType.java
* /opt/ws_local/PERMITS_SQL/1013582616_1591370584.70/javassist-3-18-1-ga-sources-jar/javassist/compiler/ast/ArrayInit.java
* /opt/ws_local/PERMITS_SQL/1013582616_1591370584.70/javassist-3-18-1-ga-sources-jar/javassist/other/CtNewWrappedConstructor.java
* /opt/ws_local/PERMITS_SQL/1013582616_1591370584.70/javassist-3-18-1-ga-sources-jar/javassist/bytecode/LocalVariableTypeAttribute.java
* /opt/ws_local/PERMITS_SQL/1013582616_1591370584.70/javassist-3-18-1-ga-sources-jar/javassist/bytecode/stackmap/TypeData.java
* /opt/ws_local/PERMITS_SQL/1013582616_1591370584.70/javassist-3-18-1-ga-sources-jar/javassist/bytecode/CodeIterator.java
* /opt/ws_local/PERMITS_SQL/1013582616_1591370584.70/javassist-3-18-1-ga-sources-jar/javassist/compiler/SymbolTable.java
* /opt/ws_local/PERMITS_SQL/1013582616_1591370584.70/javassist-3-18-1-ga-sources-jar/javassist/ByteArrayClassPath.java
* /opt/ws_local/PERMITS_SQL/1013582616_1591370584.70/javassist-3-18-1-ga-sources-jar/javassist/util/security/SecurityActions.java
* /opt/ws_local/PERMITS_SQL/1013582616_1591370584.70/javassist-3-18-1-ga-sources-jar/javassist/bytecode/ClassFile.java
* /opt/ws_local/PERMITS_SQL/1013582616_1591370584.70/javassist-3-18-1-ga-sources-jar/javassist/bytecode/ConstPool.java
* /opt/ws_local/PERMITS_SQL/1013582616_1591370584.70/javassist-3-18-1-ga-sources-jar/javassist/compiler/ast/Declarator.java
* /opt/ws_local/PERMITS_SQL/1013582616_1591370584.70/javassist-3-18-1-ga-sources-jar/javassist/bytecode/StackMapTable.java
* /opt/ws_local/PERMITS_SQL/1013582616_1591370584.70/javassist-3-18-1-ga-sources-jar/javassist/bytecode/AccessFlag.java
1.212 log-rotate 3.11.0 0.1ubuntu1

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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.

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

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

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

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

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

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

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

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

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the 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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redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

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

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

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU 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.
This library is distributed in the hope that it will be useful, 
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You should have received a copy of the GNU Lesser General Public 
License along with this library; if not, write to the Free Software 
Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

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

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

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

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

That's all there is to it!
*uganda.txt* For Vim version 8.1. Last change: 2018 May 17

VIM REFERENCE MANUAL by Bram Moolenaar

*uganda* *Uganda* *copying* *copyright* *license*
SUMMARY
*iccf* *ICCF*

Vim is Charityware. You can use and copy it as much as you like, but you are 
encouraged to make a donation for needy children in Uganda. Please see [kcc] 
below or visit the ICCF web site, available at these URLs:

http://iccf-holland.org/
http://www.vim.org/iccf/
http://www.iccf.nl/

You can also sponsor the development of Vim. Vim sponsors can vote for 
features. See [sponsor]. The money goes to Uganda anyway.

The Open Publication License applies to the Vim documentation, see 
[manual-copyright].

=== begin of license ===

VIM LICENSE
I) There are no restrictions on distributing unmodified copies of Vim except that they must include this license text. You can also distribute unmodified parts of Vim, likewise unrestricted except that they must include this license text. You are also allowed to include executables that you made from the unmodified Vim sources, plus your own usage examples and Vim scripts.

II) It is allowed to distribute a modified (or extended) version of Vim, including executables and/or source code, when the following four conditions are met:

1) This license text must be included unmodified.

2) The modified Vim must be distributed in one of the following five ways:

   a) If you make changes to Vim yourself, you must clearly describe in the distribution how to contact you. When the maintainer asks you (in any way) for a copy of the modified Vim you distributed, you must make your changes, including source code, available to the maintainer without fee. The maintainer reserves the right to include your changes in the official version of Vim. What the maintainer will do with your changes and under what license they will be distributed is negotiable. If there has been no negotiation then this license, or a later version, also applies to your changes. The current maintainer is Bram Moolenaar <Bram@vim.org>. If this changes it will be announced in appropriate places (most likely vim.sf.net, www.vim.org and/or comp.editors). When it is completely impossible to contact the maintainer, the obligation to send him your changes ceases. Once the maintainer has confirmed that he has received your changes they will not have to be sent again.

   b) If you have received a modified Vim that was distributed as mentioned under a) you are allowed to further distribute it unmodified, as mentioned at I). If you make additional changes the text under a) applies to those changes.

   c) Provide all the changes, including source code, with every copy of the modified Vim you distribute. This may be done in the form of a context diff. You can choose what license to use for new code you add. The changes and their license must not restrict others from making their own changes to the official version of Vim.

   d) When you have a modified Vim which includes changes as mentioned under c), you can distribute it without the source code for the changes if the following three conditions are met:

      - The license that applies to the changes permits you to distribute the changes to the Vim maintainer without fee or restriction, and permits the Vim maintainer to include the changes in the official version of Vim without fee or restriction.
      - You keep the changes for at least three years after last distributing the corresponding modified Vim. When the maintainer or someone who you distributed the modified Vim to asks you (in any way) for the changes within this period, you must make them
available to him.
- You clearly describe in the distribution how to contact you. This
contact information must remain valid for at least three years
after last distributing the corresponding modified Vim, or as long
as possible.
  e) When the GNU General Public License (GPL) applies to the changes,
you can distribute the modified Vim under the GNU GPL version 2 or
any later version.
3) A message must be added, at least in the output of the ":version"
command and in the intro screen, such that the user of the modified Vim
is able to see that it was modified. When distributing as mentioned
under 2)e) adding the message is only required for as far as this does
not conflict with the license used for the changes.
4) The contact information as required under 2)a) and 2)d) must not be
removed or changed, except that the person himself can make
corrections.

III) If you distribute a modified version of Vim, you are encouraged to use
the Vim license for your changes and make them available to the
maintainer, including the source code. The preferred way to do this is
by e-mail or by uploading the files to a server and e-mailing the URL.
If the number of changes is small (e.g., a modified Makefile) e-mailing a
context diff will do. The e-mail address to be used is
<maintainer@vim.org>

IV) It is not allowed to remove this license from the distribution of the Vim
sources, parts of it or from a modified version. You may use this
license for previous Vim releases instead of the license that they came
with, at your option.

=== end of license ===

Note:

- If you are happy with Vim, please express that by reading the rest of this
file and consider helping needy children in Uganda.

- If you want to support further Vim development consider becoming a
[sponsor]. The money goes to Uganda anyway.

- According to Richard Stallman the Vim license is GNU GPL compatible.
A few minor changes have been made since he checked it, but that should not
make a difference.

- If you link Vim with a library that goes under the GNU GPL, this limits
further distribution to the GNU GPL. Also when you didn't actually change
anything in Vim.
- Once a change is included that goes under the GNU GPL, this forces all further changes to also be made under the GNU GPL or a compatible license.

- If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED_BY define.

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

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

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

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

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.
There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

*donate*

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

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

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

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

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

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

Sending money:*iccf-donations*

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

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

Canada: Contact Kibale Children’s Fund (KCF) in Surrey, Canada. They
take care of the Canadian sponsors for the children in
Kibale. KCF forwards 100% of the money to the project in
Uganda. You can send them a one time donation directly.
Please send me a note so that I know what has been donated
because of Vim. Ask KCF for information about sponsorship.
Kibale Children’s Fund c/o Pacific Academy
10238-168 Street
Surrey, B.C. V4N 1Z4
Canada
Phone: 604-581-5353
If you make a donation to Kibale Children’s Fund (KCF) you
will receive a tax receipt which can be submitted with your
tax return.

Holland: Transfer to the account of “Stichting ICCF Holland” in Lisse.
This will allow for tax deduction if you live in Holland.
Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

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

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

Europe: Use a bank transfer if possible. Your bank should have a form
that you can use for this. See “Others” below for the swift
code and IBAN number.
Any other method should work. Ask for information about
sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is
the most widely used Internet based payment system. It’s
really simple to use. Use this link to find more info:
The e-mail address for sending the money to is:
Bram@iccf-holland.org
For amounts above 400 Euro ($500) sending a check is
preferred.
Others:
Transfer to one of these accounts if possible:
  Postbank, account 4548774
Swift code: INGB NL 2A
IBAN: NL95 INGB 0004 5487 74
under the name "stichting ICCF Holland", Lisse
If that doesn't work:
  Rabobank Lisse, account 3765.05.117
Swift code: RABO NL 2U
under the name "Bram Moolenaar", Lisse
Otherwise, send a check in euro or US dollars to the address
below. Minimal amount: $70 (my bank does not accept smaller
amounts for foreign check, sorry)

Address to send checks to:
Bram Moolenaar
Finsterrueihof 1
8134 Adliswil
Switzerland

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

vim:tw=78:ts=8:noet:ft=help:norl:
/*
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 * 
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 * of this software and associated documentation files (the "Software"), to
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 */

Arnaud LE HORS       BULL Research FRANCE -- Koala Project
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OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN
THE SOFTWARE.

" Vim syntax file
" Language:Software Distributor product specification file
"(POSIX 1387.2-1995).
" Maintainer:Rex Barzee <rex_barzee@hp.com>
" Last change:25 Apr 2001

" quit when a syntax file was already loaded
if exists("b:current_syntax")
  finish
endif

" Product specification files are case sensitive
syn case match

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

syn match  psfUnquotString +[^"# ][^#]*+ contained
syn region psfQuotString  start=+" skip=+\"+ end=+"+ contained
Some of the attributes covered by attUnquotString and attQuotString:
- architecture
- category_tag
- control_directory
- copyright
- create_date
- description
- directory
- file_permissions
- install_source
- install_type
- location
- machine_type
- mod_date
- number
- os_name
- os_release
- os_version
- pose_as_os_name
- pose_as_os_release
- readme
- revision
- share_link
- title
- vendor_tag

These regions are defined in attempt to do syntax checking for some
of the attributes.

These regions are defined in attempt to do syntax checking for some
of the attributes.

These regions are defined in attempt to do syntax checking for some
of the attributes.

These regions are defined in attempt to do syntax checking for some
of the attributes.
Define the default highlighting.
* Only when an item doesn't have highlighting yet

```
hi def link psfObject       Statement
hi def link psfAttrib       Type
hi def link psfQuotString   String
hi def link psfObjTag       Identifier
hi def link psfAttAbbrev    PreProc
hi def link psfObjTags      Identifier
hi def link psfComment      Comment
```

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

```
syn sync lines=100
let b:current_syntax = "psf"
```

### 1.214 async-http-client 2.0.3

#### 1.214.1 Available under license :

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

```
/*
* Copyright (c) 2016 AsyncHttpClient Project. All rights reserved.
```
This program is licensed to you under the Apache License Version 2.0, and you may not use this file except in compliance with the Apache License Version 2.0. You may obtain a copy of the Apache License Version 2.0 at http://www.apache.org/licenses/LICENSE-2.0. Unless required by applicable law or agreed to in writing, software distributed under the Apache License Version 2.0 is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the Apache License Version 2.0 for the specific language governing permissions and limitations there under.

Found in path(s):
 - /opt/ws_local/PERMITS_SQL/1084576631_1598533265.93/0/async-http-client-2-0-3-sources-jar/org/asynchttpclient/netty/request/WriteListener.java
 - /opt/ws_local/PERMITS_SQL/1084576631_1598533265.93/0/async-http-client-2-0-3-sources-jar/org/asynchttpclient/netty/request/WriteCompleteListener.java

No license file was found, but licenses were detected in source scan.
* This software consists of voluntary contributions made by many
* individuals on behalf of the Apache Software Foundation. For more
* information on the Apache Software Foundation, please see
*
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1084576631_1598533265.93/0/async-http-client-2-0-3-sources-
  jar/org/asynchttpclient/spnego/SpnegoTokenGenerator.java
No license file was found, but licenses were detected in source scan.

# This file maps Internet media types to unique file extension(s).
# Although created for httpd, this file is used by many software systems
# and has been placed in the public domain for unlimited redistribution.
#
# The table below contains both registered and (common) unregistered types.
# A type that has no unique extension can be ignored -- they are listed
# here to guide configurations toward known types and to make it easier to
# identify "new" types. File extensions are also commonly used to indicate
# content languages and encodings, so choose them carefully.
#
# Internet media types should be registered as described in RFC 4288.
# The registry is at <http://www.iana.org/assignments/media-types/>.
#
# MIME type (lowercased)Extensions
# ==================================================================================
# application/1d-interleaved-parityfec
# application/3gpdash-qoe-report+xml
# application/3gpp-ims+xml
# application/a2l
# application/activemessage
# application/alto-costmap+json
# application/alto-costmapfilter+json
# application/alto-directory+json
# application/alto-endpointcost+json
# application/alto-endpointcostparams+json
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Open Source Used In Fluidmesh FM-MONITOR 1.0-rc9 1237

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# image/jp2
image/jpegjpeg jpg jpe
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1084576631_1598533265.93/0/async-http-client-2-0-3-sources-jar/ahc-mime.types

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1084576631_1598533265.93/0/async-http-client-2-0-3-sources-jar/org/asynchttpclient/RequestBuilderBase.java

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* /opt/ws_local/PERMITS_SQL/1084576631_1598533265.93/0/async-http-client-2-0-3-sources-
jar/org/asynchttpclient/Realm.java
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  jar/org/asynchttpclient/ListenableFuture.java
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1084576631_1598533265.93/0/async-http-client-2-0-3-sources-
  jar/io/netty/util/internal/MacAddressUtil.java
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Found in path(s):
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  jar/org/asynchttpclient/request/body/Body.java
* /opt/ws_local/PERMITS_SQL/1084576631_1598533265.93/0/async-http-client-2-0-3-sources-
jar/org/asynchttpclient/request/body/multipart/FileUploadStalledException.java

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  * /opt/ws_local/PERMITS_SQL/1084576631_1598533265.93/0/async-http-client-2-0-3-sources-jar/org/asynchttpclient/netty/handler/StreamedResponsePublisher.java
  * /opt/ws_local/PERMITS_SQL/1084576631_1598533265.93/0/async-http-client-2-0-3-sources-jar/org/asynchttpclient/exception/TooManyConnectionsException.java
  * /opt/ws_local/PERMITS_SQL/1084576631_1598533265.93/0/async-http-client-2-0-3-sources-jar/org/asynchttpclient/netty/request/body/NettyReactiveStreamsBody.java
  * /opt/ws_local/PERMITS_SQL/1084576631_1598533265.93/0/async-http-client-2-0-3-sources-jar/org/asynchttpclient/exception/PoorlyGeneratedAsynchronousException.java
  * /opt/ws_local/PERMITS_SQL/1084576631_1598533265.93/0/async-http-client-2-0-3-sources-jar/org/asynchttpclient/cookie/CookieUtil.java
  * /opt/ws_local/PERMITS_SQL/1084576631_1598533265.93/0/async-http-client-2-0-3-sources-jar/org/asynchttpclient/handler/AsyncHandlerExtensionsUtils.java
  * /opt/ws_local/PERMITS_SQL/1084576631_1598533265.93/0/async-http-client-2-0-3-sources-jar/org/asynchttpclient/handler/StreamedAsyncHandler.java
  * /opt/ws_local/PERMITS_SQL/1084576631_1598533265.93/0/async-http-client-2-0-3-sources-jar/org/asynchttpclient/handler/AsyncHandlerExtensionsUtils.java
  * /opt/ws_local/PERMITS_SQL/1084576631_1598533265.93/0/async-http-client-2-0-3-sources-jar/org/asynchttpclient/exception/ChannelClosedException.java

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* /opt/ws_local/PERMITS_SQL/1084576631_1598533265.93/0/async-http-client-2-0-3-sources-jar/org/asynchttpclient/oauth/OAuthSignatureCalculator.java
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* /opt/ws_local/PERMITS_SQL/1084576631_1598533265.93/0/async-http-client-2-0-3-sources-jar/org/asynchttpclient/AsyncCompletionHandler.java
* /opt/ws_local/PERMITS_SQL/1084576631_1598533265.93/0/async-http-client-2-0-3-sources-jar/org/asynchttpclient/DefaultAsyncHttpClient.java
* /opt/ws_local/PERMITS_SQL/1084576631_1598533265.93/0/async-http-client-2-0-3-sources-jar/org/asynchttpclient/AsyncCompletionHandlerBase.java
* /opt/ws_local/PERMITS_SQL/1084576631_1598533265.93/0/async-http-client-2-0-3-sources-jar/org/asynchttpclient/AsyncCompletionHandlerBase.java

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* /opt/ws_local/PERMITS_SQL/1084576631_1598533265.93/0/async-http-client-2-0-3-sources.jar/org/asynchttpclient/handler/resumable/ResumableRandomAccessFileListener.java
* /opt/ws_local/PERMITS_SQL/1084576631_1598533265.93/0/async-http-client-2-0-3-sources.jar/org/asynchttpclient/request/body/RandomAccessBody.java
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/**
 * Value class used for OAuth tokens (request secret, access secret);
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* /opt/ws_local/PERMITS_SQL/1084576631_1598533265.93/0/async-http-client-2-0-3-sourcesjar/org/asynchtppclient/netty/handler/intercept/Interceptors.java
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* /opt/ws_local/PERMITS_SQL/1084576631_1598533265.93/0/async-http-client-2-0-3-sourcesjar/org/asynchtppclient/netty/handler/intercept/ConnectSuccessInterceptor.java
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  jar/org/asynchttpclient/netty/handler/AsyncHttpClientHandler.java
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* /opt/ws_local/PERMITS_SQL/1084576631_1598533265.93/0/async-http-client-2-0-3-sources-
jar/org/asynchttpclient/netty/channel/NettyConnectListener.java
* /opt/ws_local/PERMITS_SQL/1084576631_1598533265.93/0/async-http-client-2-0-3-sources-
jar/org/asynchttpclient/channel/NoopChannelPool.java
* /opt/ws_local/PERMITS_SQL/1084576631_1598533265.93/0/async-http-client-2-0-3-sources-
jar/org/asynchttpclient/channel/NoopChannelPool.java
* /opt/ws_local/PERMITS_SQL/1084576631_1598533265.93/0/async-http-client-2-0-3-sources-
jar/org/asynchttpclient/netty/channel/NettyRequestSender.java
* /opt/ws_local/PERMITS_SQL/1084576631_1598533265.93/0/async-http-client-2-0-3-sources-
jar/org/asynchttpclient/channel/NoopChannelPool.java
* /opt/ws_local/PERMITS_SQL/1084576631_1598533265.93/0/async-http-client-2-0-3-sources-
jar/org/asynchttpclient/netty/channel/NettyRequestSender.java
* /opt/ws_local/PERMITS_SQL/1084576631_1598533265.93/0/async-http-client-2-0-3-sources-
jar/org/asynchttpclient/channel/KeepAliveStrategy.java

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1.218 bzip2 1.0.8-2
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Julian Seward, jseward@acm.org
bzip2/libbzip2 version 1.0.8 of 13 July 2019

1.219 pam 1.3.1-5ubuntu4

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1.220 wget 1.19.4 1ubuntu2.2

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1.225 bouncycastle-fips 1.60

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AG both located in Darmstadt, Germany.</li><li><a href="https://www.microfocus.com/>Micro Focus</a> - additional support towards further developing the TLS/DTLS API and the BCJSSE provider.</li></ul><p>People</p><ul><li>Tito Pena &lt;Fortunato.Pena#AdNovum.CH&gt; - initial RC5 implementation</li><li>Michael Lee &lt;yfl#mira.net&gt; - initial RC6 implementation, MD2 implementation</li><li>Nuno Santos &lt;nsantos@student.dei.uc.pt&gt; - finding toString bug in certificate object</li><li>Brett Sealey &lt;bretts#mortbay.com&gt; - fixing the missing return problem in JDKKeyFactory (affected SSLeay private keys)</li><li>Victor A. Salaman &lt;salaman#teknos.com&gt; - fixing the bug in Cipher.java which caused it to ignore specified providers, fixing the bug in RSAKeyGenerator which caused keys to be occasionally produced 1 bit too small</li><li>Eran Librach &lt;eranl#valicert.com&gt; - spotting and fixing the classLoader bug that occurs if javax.crypto and the provider aren't sharing the same classpath (occurs in JDK 1.3 and greater)</li><li>Jonathan Knudsen &lt;jonathan#LearningPatterns.com&gt; - porting information and restrictions when using the lightweight library with the MIDP environment</li><li>Markus Niedermann &lt;markus.niedermann#softwired-inc.com&gt; - porting information and restrictions when using the lightweight library with the MIDP environment</li><li>Mike Benham &lt;moxie#thoughtcrime.org&gt; - detection and fixing of an incorrect weak key in the DES key generation support classes. Suggestions for simplifying DESedeParameter objects. Optimisations for the Blowfish engine and BufferedBlockCipher class.</li><li>Soren Hilmer &lt;hilmer#cscd.de&gt; - initial implementation of netscape certificate request classes</li><li>Uwe Guenther &lt;uwe#cscd.de&gt; - detection and fixing of 3 incorrect semi-weak keys in the DES key generation support classes</li><li>Markus Bradtke &lt;mab#informatik.uni-kiel.de&gt; - fixing of a logic error in the JDKKeyStore class</li><li>Waclaw Sierek &lt;waclaw.sierek#tpg.pl&gt; - fix to setOddParity in the DESParameter class. Assistance with adding ordering to X509 names for certificate generation, proper processing of byte strings in the ASN1 package, further simplifications and additional classes to improve pkcs7 support, bug fixes in CertPath API</li><li>Ly-Na Phu &lt;lyna.phu#init-consulting.de&gt; - assistance in the addition of ISO 9796-1 padding</li><li>Stefan K&ouml;penpsell &lt;sk13#mail.inf.tu-dresden.de&gt; - making the jdk 1.1 version of the collections API available. For further details see http://sourceforge.net/projects/jcf/</li><li>Carmen Bastiaans &lt;cbastiaa#microbits.com.au&gt; - fixing the improper null pointer problem in the setting of certificates in the PKCS12 key store</li><li>Tomas Gustavsson &lt;tomasg#primekey.se&gt; - initial implementation of the AuthorityInformationAccess, SubjectKeyIdentifier, AuthorityKeyIdentifier, CRLNumber, CRLReason,
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GeneralName class, other bug fixes in the X.509 package. Initial implementation of the CertificationRequest classes.
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<li>Eugen Kuleshov &lt;euxx@hotmail.com&gt; - optimisations for Blowfish, assistance with
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<li>Megan Woods &lt;meganwoods@sekurafile.com&gt; - initial implementation of
ECIES.</li>
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adding IV's to the AESWrap implementations. Initial implementation of
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compatibility classes, fixing provider bug in JDK 1.1 java.security.cert.CertificateFactory compatibility class.</li>
<li>Michael Mansell &lt;me#064;michaelmansell.com&gt; - fixing the parsing of the empty DER set in the
ASN.1 library.</li>
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certification request class.</li>
<li>Sidney Markowitz &lt;sidney#064;sidney.com&gt; - fixing null pointed exception on unknown OID in
X509Name class, initial implementation of the three AES engines.</li>
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store.</li>
<li>Jason Novotny &lt;jdnovotny#064;lbl.gov&gt; - initial work on the OpenSSL PEM processing.</li>
<li>Joel Hock &lt;joel.hock@#064;qsipayments.com&gt; - initial work on the OpenSSL PEM processing.</li>
<li>John Steenbruggen &lt;JohnS#064;geotrust.com&gt; - fixing CertificationRequestInfo to handle cert request
info objects without attribute blocks.</li>
Justin Chapweske &lt;justin@chapweske.com&gt; - ordering patch for Tiger message digest./li>
John Serock &lt;jserock@604@hotmail.com&gt; - fixing null pointer exception in constructor for ExtendedKeyUsage. Fixing of base OID bug in KeyPurposeId.
Compliance of KeyUsage extension return value with security API./li>
Sascha Weinreuter &lt;Sascha.Weinreuter@cit.de&gt; - fixed SMIME saveChanges() bug./li>
Andre Wehnert &lt;aw5@604:mail.inf.tu-dresden.de&gt; - fixing key schedule problem in RC5-64, fixing buffer cleaning issue in buffered block cipher./li>
Luigi Lo Iacono &lt;lu_iacono@604:nu.et-inf.uni-siegen.de&gt; - adding SIC mode to the blockciphers in the provider./li>
John Serock &lt;jserock@hotmail.com&gt; - fixing null pointer exception in constructor for ExtendedKeyUsage. Fixing of base OID bug in KeyPurposeId.
Compliance of KeyUsage extension return value with security API./li>
Sascha Weinreuter &lt;Sascha.Weinreuter@cit.de&gt; - fixed SMIME saveChanges() bug./li>
Andre Wehnert &lt;aw5@604:mail.inf.tu-dresden.de&gt; - fixing key schedule problem in RC5-64, fixing buffer cleaning issue in buffered block cipher./li>
Luigi Lo Iacono &lt;lu_iacono@604:nu.et-inf.uni-siegen.de&gt; - adding SIC mode to the blockciphers in the provider./li>
Tim Sakach &lt;tsakach@604:certivo.net&gt; - SMIME v2 compatibility patches./li>
Marcus Povey &lt;mpovey@604:brookes.ac.uk&gt; - adding the PGP mode to the lightweight API and the provider./li>
Sebastian Clauskzlig; &lt;sc2@604:inf.tu-dresden.de&gt; - adding randomness setting to the certificate and CRL generators./li>
Nicolas Biezla &lt;nicolas.biezla@604:alligacom.com&gt; - isolating the tagging bug in the ASN.1 library that was misrepresenting some ASN.1 constructed data types. Contributions to the streaming S/MIME classes./li>
Casey Marshall &lt;rdsdio@604:metastatic.org&gt; - fixing the clone problem with Macs in the clean room JCE./li>
Rick Zeldes &lt;rick.zeldes@604:eds.com&gt; - initial code for CMS/SMIME CompressedData./li>
Jarek Gawor &lt;gawor@604:mcs.anl.gov&gt; - fixing ASN.1 sequence unpacking in BasicConstraints constructor./li>
Brett Neumeier &lt;random@604:rnd.cx&gt; - patch to OriginatorIdentifierOrKey object, improvements to encoders package, introduction of UrlBase64./li>
Graham Coles &lt;graham.coles@604:retail-logic.com&gt; - patch to isParityAdjusted in DESKeySpec./li>
Jvon Kattchaeacut:e &lt;J.Kattchee@604:seeburger.de&gt; - patch to SMIMEGenerator for preventing class cast exceptions with BodyParts containing Multipart objects./li>
Matteo Artuso &lt;matarluso@604:libero.it&gt; - picking up the possible overread in ASN1InputStream./li>
Julian Morrison &lt;julian@604:extropy.demon.co.uk&gt; - spotting the slow down in Diffie-Hellman key generation./li>
Elmar Sonnenschein &lt;eso@604:esomail.de&gt; - fix to long conversion in clean room SecureRandom./li>
Jvon Schwarze &lt;JSchwarze@604:ulc.de&gt; - Locale fix for the clean room JCE./li>
Bryan Lovquist &lt;blkl@604:cps.com.au&gt; - Other provider compatibility fixes for CMS signing./li>
Artem Portnoy &lt;Artem_Portnoy@604:ibi.com&gt; - generalisations for CMSProcessableBodyPart in S/MIME. Header fix for mime messages./li>
Michael H&auml;usler &lt;haeusler@ponton-consulting.de&gt; - missing OID update for SHA1 with RSA Signature./li>
Johann Seland &lt;johans@604:netfonds.no&gt; - general toString for BigInteger class./li>
Johannes Nicola &lt;johannes.nicolai@604:novosec.com&gt; - further enhancements to OCSP response generation, fix to CertificateID issuer./li>
Marc Doberva &lt;marc.doberva@604:ilex-si.com&gt; - help in isolating the JSSE/BC RSA key issue./li>
Jan Dvorak &lt;jan.dvorak@604:mathan.cz&gt; - initial implementation of the light weight Null block cipher./li>
Joe Cohen &lt;jcohen@604:forumsys.com&gt; - converting the ArrayOutOfBoundsException exception in DERInputStream into what it should have been./li>
Chris Long &lt;aclong@604:ec.cmu.edu&gt; - adding public key decoding to PEMReader./li>
Hes Siemelink &lt;hes@604:izecom.com&gt; - findIssuer fix for CertPathBuilder, toMimeMessage converter for Mail API, getSize() fix for zero length messages in SMIMEMessage.
<li>Stefan Puiu &lt;stefanpuiuro@yahoo.com&gt; - initial implementation V3 policy mapping, policy qualifier objects in ASN.1 X.509 package.</li>

<li>Kaiser Yang &lt;kaiseryang@yahoo.com&gt; - Finding BigInteger loop problem in prime generation.</li>

<li>Jiri Urbanec &lt;jiri.urbanec@logicacmg.com&gt; - patch to fix defect in DERBMPString.equals().</li>

<li>Justin Kolb &lt;jkolb@04printx.com&gt; - patch toDSA signature generation in OpenPGP. Fix for the unexpected "Unexpected end of ZLIB input stream" exception.</li>

<li>Ralf Hauser &lt;ralfhauser@04gm.ch&gt; - patch to exception handling in PublicKeyRing, PEMReader, 1.4 build script, X509 Certificate Factory, CertPathValidatorUtilities, fromAddress null check in SignedMailValidator, ReadOnceInputStream testing utility in MIME tests.</li>

<li>Michal Dvorak &lt;M_Dvorak@04kb.cz&gt; - getNextUpdate patch for OCSP SingleResp.</li>

<li>Klaus Greve Fiorentini &lt;Klaus@04cpqd.com.br&gt; - array fix in PGP PublicKeyEncSessionPacket.</li>

<li>Olivier Refalo &lt;Olivier_Refalo@04fpl.com&gt; - null pointer exception fix for JDK 1.3 CMSSignedData objects.</li>

<li>Mariusz Bandola &lt;mariusz.bandola@cryptotech.com.pl&gt; - patch to DERGeneralizedTime. Compliance patch for OCSP TBSRequest class. Patch to X509Name for delaing with general objects in sequences.</li>

<li>Brien Oberstein &lt;brien.oberstein@04transacttools.net&gt; - patch to S2K algorithm in OpenPGP, initial PGP version 3 secret key support, initial PGP version 3 signature generation, RIPEMD160 addition to PGPUtility.</li>

<li>Ian Haywood &lt;ian@04haywood.bpa.nu&gt; - addition of getSignatureType to PGPSignature.</li>

<li>Jonathan Edwards &lt;s34gull@04mac.com&gt; - initial support for reading multiple rings from a PGP key file.</li>

<li>Andrew Thornton &lt;andrew@04caret.cam.ac.uk&gt; - patch for RSA PUBLIC KEY in PEMReader.</li>

<li>Antoon Bosselaers &lt;Antoon.Bosselaers@04esat.kuleuven.ac.be&gt; - help with RipeMD320 implementation.</li>

<li>Peter Sylvester &lt;Peter.Sylvester@04edelweb.fr&gt; - improvements to the ASN.1 BasicConstraints object.</li>

<li>Doug &lt;ummmm@04myrealbox.com&gt; - addition of isEncryptionKey method to OpenPGP public keys.</li>

<li>Francois Staes &lt;fstaes@04netconsult.be&gt; - improvements to DEBitString, DERGeneralizedTime and initial implementation of DERGeneralString, addition of settable signed object info to CMSSignedDataGenerator, patch to DH key agreement.</li>

<li>W.R. Dittmer &lt;wdittmer@04cs.vu.nl&gt; - patch to decoding of SignatureCreationTime in BCPG. Patch to PGPKeyPair to fix nullpointer exception.</li>

<li>Perez Paz Luis Alberto &lt;laperez@04banxico.org.mx&gt; - patch to use of BitString in X.500 Name.</li>

<li>James Wright &lt;James_Wright@04harte-hanks.com&gt; - patches for dealing with "odd" ArmoredInputStreams.</li>

<li>Jim Ford &lt;jim@04muirford.com&gt; - patch to PGPSecretKey to avoid null pointer exception on encoding secret keys, comments on KeyExpirationTime, getBitStrength for ElGamal keys. Signature creation time patch for newly created v4 signatures.</li>

<li>Michael Hausler &lt;haeusler@04ponton-consulting.de&gt; - extra aliases for provider.</li>

<li>Sai Pullabhotla &lt;psai@04linoma.com&gt; - fix to PGP compressed data generator to improve compression levels. Performance improvements for KeyBasedLargeFileProcessor.</li>

<li>Joseph Miller &lt;joseph@04digilweb.net.nz&gt; - addition of ZeroBytePadding.</li>

<li>Lars &lt;xyz@04agedenmark.dk&gt; - patch to explicit padded mode for CBC block cipher MAC.</li>

<li>Jeroen van Vianen &lt;jeroen@04vanvianen.nl&gt; - the Signed and Encrypted mail example.</li>

<li>Jun Sun &lt;JSun@04diversinet.com&gt; - patch to SecureRandom to work around problem in wtk 1.0.4 and
<li>Petr Dukem &lt;pdukem@email.cz&gt; - patch to CMSSignedDataGenerator to allow it to work with PKCS11 providers.</li>
<li>Filipe Silva &lt;filipe.silva@wedoconsulting.com&gt; - patch to fix overread issue in BCPGInputStream.</li>
<li>Alpesh Parmar &lt;alps@064linuxmail.org&gt; - patch for class cast problem in PGPPublicKey.getSignatures().</li>
<li>Jay Gengelbach &lt;jjengelbach@064webmethods.com&gt; - patch to fix isSigningKey in PGPSecretKey class, patch to hashedPackets in PGPSignatureGenerator, initial cut for indefinite length output.</li>
<li>Doug &lt;doug@064tigerprivacy.com&gt; - public key ring patches for ElGamal Signatures, problem key ring data.</li>
<li>Matthew Mundy &lt;mmundy1@064umbc.edu&gt; - infinite loop prevention patch to PKCS5S2ParametersGenerator.</li>
<li>Tom Cargill &lt;cargill@064profcon.com&gt; - spelling patch in provider.</li>
<li>Breitenstrom Christian &lt;C.Breitenstrom@064t-systems.com&gt; - compatibility patch to SignaturePacket, DetachedSignatureProcessor.</li>
<li>Zanotti Mirko &lt;zanotti@064cad.it&gt; - patch to ordered equality test for X509Name.</li>
<li>Nicola Scendoni &lt;nscendoni@064babelsp.it&gt; - patch to add sorting to CertPath validation.</li>
<li>Tom Cargill &lt;cargill@064profcon.com&gt; - spelling patch in provider.</li>
<li>Miles Whiteley &lt;miles.whiteley@064savvis.net&gt; - "223" fix for BCPGInputStream new packets.</li>
<li>Albert Moliner &lt;amoliner@064evintia.com&gt; - initial TSP implementation.</li>
<li>Carlos Lozano &lt;carlos@064evintia.com&gt; - initial TSP implementation, patch to SignerInformation for supporting repeated signers, initial updates for supporting repeated attributes in CMS.</li>
<li>Javier Delgadillo &lt;javi@064javi.codewarp.org&gt; - initial Mozilla PublicKeyAndChallenge classes.</li>
<li>Joni Hahkala &lt;joni.hahkala@064cern.ch&gt; - initial implementations of VOMS Attribute Certificate Validation, IetfAttrSyntax, and ObjectDigestInfo. We also wish to thank the &lt;a href="http://www.eu-egee.org">EGEE project</a> for making the work available.</li>
<li>Rolf Schillinger &lt;rolf@064sir-wum.de&gt; - initial implementation of Attribute Certificate generation.</li>
<li>Sergey Bahtin &lt;Sergey.Bahtin@064yahoo.com&gt; - fix for recovering certificate aliases in BKS and UBER key stores. Initial implementations of GOST-28147, GOST-3410, EC GOST-3410, GOST OFB mode (GOFB) and GOST-3411.</li>
<li>Franck Leroy &lt;Franck.Leroy@064keynectis.com&gt; - ANS.1 set sorting. Contributions to TSP implementation. Test vectors for Bleichenbacher's forgery attack.</li>
<li>Atsuhiro Yamanaka &lt;ymnk@064jcraft.com&gt; - patch for improving use of Montgomery numbers in BigInteger library. Patch to use size of private exponent in DH parameters.</li>
<li>Nickolay Bolshakov &lt;tyrex@064reksoft.ru&gt; - patch for class cast exception in AuthorityInformationAccess class.</li>
<li>Soren Hilmer &lt;soren.hilmer@064tietoenator.com&gt; - patches for CertID with issuerSerial set in TSP implementation, additional compliance testing.</li>
<li>Steve Mitchell &lt;mitchell@064intertrust.com&gt; - patch for stateful path validator fix. Patch to allow BigInteger class to create negative numbers from byte arrays. Additions to allow different providers to be used for asymmetric/symmetric encryption in OpenPGP.</li>
Optimisation to avoid redundant verification in path validator. Suggestion to use PKIXParameters.getSigProvider() correctly.
<li>Dirk Eisner &lt;D.Eisner@seeburger.de&gt; - initial implementation of ISO 78164-4 padding.</li>
<li>Julien Pasquier &lt;julienpasquier@free.fr&gt; - initial implementation of attribute classes from RFC 3126. Fix to KEKIdentifier, OtherKeyAttribute parsing. Initial ContentHints class.</li>
<li>Matteo &lt;matartuso@064libero.it&gt; - sequence patch to ASN1Dump.</li>
<li>Andrew Paterson &lt;andrew.paterson@064burnsecs.com&gt; - patches to PGP tools, isRevoked method on PGPPublicKey.</li>
<li>Vladimir Molotkov &lt;vladimir.n.molotkov@064intel.com&gt; - extensive provider exception handling compliance testing.</li>
<li>Florian Kollan &lt;adlocflo@064web.de&gt; - fix to ElGamalKeyParameters equality testing.</li>
<li>Pavel Vassiliev &lt;paulvas@064gmail.com&gt; - Initial GOST28147Mac implementation.</li>
<li>Tom Pesman &lt;tom@064nux.net&gt; - addition of DES-DE encryption for RSAPrivate keys to PEMWriter.</li>
<li>Lukasz Kowalczyk &lt;lukasz.b.kowalczyk@064gmail.com&gt; - patch to fix parsing issue with OpenSSL PEM based certificate requests.</li>
<li>Arndt Hasch &lt;Arndt.Hasch@064maxence.de&gt; - additional fix for partial reading with new style PGP packets.</li>
<li>Fix Bernd (KCDP 11) &lt;bernd.fix@credit-suisse.com&gt; - fix for 31 byte issue and exception throwing by Whirlpool.</li>
<li>David M. Lee &lt;dmlee@Crossroads.com&gt; - code for add and remove secret key in the PGPSecretKeyRing class. Additions to S/MIME and CMS unit tests.</li>
<li>Mike Dillon &lt;md5@064embody.org&gt; - additional checks for PGP secret and public key construction, patches to copyWithNewPassword.</li>
<li>tu-vi cung &lt;t2cung@hotmail.com&gt; - patch for out of bounds problem in getDecoderStream method.</li>
<li>Chris Schultz &lt;cschultz@064gmail.com&gt; - fix for InputStream constructor for X509V2AttributeCertificate.</li>
<li>David M. Lee &lt;dmlee@064Crossroads.com&gt; - implementation assistance with streaming CMS classes.</li>
<li>Joel Rees &lt;rees@064ddcom.co.jp&gt; - fix to correct getOID methods from returning same set on X.509 attribute certificates.</li>
<li>Francesc Sau &lt;francesc.sau@064partners.netfocus.es&gt; - micro fix for tsp Accuracy class.</li>
<li>Larry Bugbee &lt;lbugbee@064mac.com&gt; - initial ECNR implementation.</li>
<li>Remi Blancher &lt;Remi.Blancher@064keynectis.com&gt; - Contributions to TSP implementation. Initial implementation of RFC 3739 and ICAO ASN.1 classes.</li>
<li>Brian O'Rourke &lt;brianorourke@064gmail.com&gt; - patch for signature creation time override in OpenPGP.</li>
<li>Andreas Schwier &lt;andreas.schwier@064cardcontact.de&gt; - initial implementation of ISO9797 MAC Algorithm 3, addition of DES-DE 64 MAC to the provider, fix to EC point encoding, addition of EC and RSA-PSS OIDs to CMS, addition of AES-CMAC and DESede-CMAC to JCE provider.</li>
<li>David Josse &lt;david.josse@transacttools.net&gt; - Patch for trailer function in version 2 signature packets.</li>
<li>Kishimoto Kazuhiko &lt;kazu-k@064hi-ho.ne.jp&gt; - RFC 3280 updates to policy processing in the CertPath validator. Additional test data not covered by NIST.</li>
<li>Lawrence Tan &lt;lwrnctan@064gmail.com&gt; - Large field OID sample test data. Missing key types in JDKKeyFactory.</li>
<li>Carlos Valiente &lt;superdupont@064gmail.com&gt; - Addition of CRL writing to the PEMWriter class.</li>
Olaf Keller, &lt;olaf.keller.bc@bluewin.ch&gt; - initial implementation of the elliptic curves over binary fields F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNAF point multiplication. Improvement to k value generation in ECDSA.

Jörn Eichhorn &lt;j.eichhorn@064ponton-consulting.de&gt; - patch to fix EOF read on SharedFileInputStream, support for F2m compression.

Karsten Ohme &lt;widerstand@064t-online.de&gt; - initial check against for out of range data on non byte aligned RSA keys. Addition of equals/hashCode on ECCurve.Fp. Additional curve type support for Fp, contributions to F2m compression. F2m decoding for ECPointUtil. Infinity fix and prime192v2 fix for Fp. Extra validation for RSA key creation. Fix to name typos for some OpenSSL key generators. RFC-1779 table, improved RFC 2253 compliance for X509Name. Additional constructor validation for X.509/ESS ASN.1 classes. Validation for Printable, IA5, and Numeric Strings. Fix for RFC 5280 NameConstraint checking for RDNs.

Support for surrogate pairs in DERUTF8String, DER UTF8 test. Additional X.509 name attributes for ISIS-MTT, RFC 3039, addition of indirect CRL support, initial X509 LDAP CertStore implementation, CertificatePair class, and X509CertificatePair class. Contributions to X509Store/Parser infrastructure and design. CertPath support for implicitDSA parameters and a range of NameConstraints. Addition of support for V1 attribute certificates and attribute certificate path validation. Initial classes for ASN.1 ISIS-MTT support. Enhancements for improving compliance with the NIST CertPath tests.

Carlos Lozano Ruiz &lt;carlos@064tradise.com&gt; - patch for &lt;ctrl&gt;&lt;m&gt; only handling in CRLOutputStream.

John Alfred Prufrock &lt;j.a.prufrock@064gmail.com&gt; - mods to GOST-3411 and MD2 to support ExtendedDigest.

Stefan Neusatz Guilhen &lt;stefan.neusatz@064gmail.com&gt; - initial version of RoleSyntax, improvements to AttributeCertificateHolder and AttributeCertificateIssuer.

Marzio Lo Giudice &lt;marzio.logiudice@064gmail.com&gt; - fix to endianess in KDF2BytesGenerator, additional KDF2 tests.

Georg Lippold &lt;georg.lippold@064gmx.de&gt; - initial implementation of NaccacheStern cipher.

Chris Viles &lt;chris_viles@064yahoo.com&gt; - fix to SignatureSubpacket critical bit setting.

Pasi Eronen &lt;pasi.eronen@064nokia.com&gt; - extra toString() support for ASN.1 library. Initial patch for large OID components.


Maria Ivanova &lt;maria.ivanova@064gmail.com&gt; - support for tags > 30 in ASN.1 parsing.

Armin Hämmerling &lt;arminha@student.ethz.ch&gt; - first cut of internationalisation, initial PKIX validation classes.

Marius Schilder &lt;m.schilder@064google.com&gt; - main set of test vectors for Bleichenbacher's forgery attack.

Xavier Le Vourch &lt;xavier@064brittanysoftware.com&gt; - general code clean ups.

Erik Tews &lt;e_tews@064c.informatik.tu-darmstadt.de&gt; - initial threaded random seed generator, constant-time PKCS#1.5 decoding.

Thomas Dixon &lt;reikomusha@064gmail.com&gt; - initial implementations of TEA/XTEA, Salsa20, ISAAC, and Noekeon. XTEA enhancements.

Frank Cornelis &lt;info@064frankcornelis.be&gt; - addition of crlAccessMethod in X509ObjectIdentifiers.

Rui Joaquim &lt;rjoaquim@064cc.isel.ipl.pt&gt; - initial implementation of RSA blinding for signatures.
David Stacey &lt;d.stacey@allantgroup.com&gt; - addition of trust packet checking on revocation signatures in PGPSecretKeyRing.

Martijn Brinkers &lt;list@64mitm.nl&gt; - better exception handling in CMS enveloping, "just in time" modifications for CRL and Sequence evaluation.

Julius Davies &lt;juliusdavies@64gmail.com&gt; - additional modes and algorithm support in PEMReader.

Matthias &lt;g@64rtnrer.de&gt; - GnuPG compatibility changes for PBEFileProcessor.

Olga K&amp;amp;uml;lthler &lt;olga.klaethler@64hp-consulting.com&gt; - initial implementation of TeleTrusT EC curves, additional ISO 9797 MACs, contributions to EAC OIDs, addition of EAC algorithms to CMS Signing.

Germano Rizzo &lt;germano.rizzo@64gmail.com&gt; - initial implementation of CMac, EAX, HC-128, and HC-256, optimisations for Salsa20.

N&amp;uuml;ria Mar&amp;iacute; &lt;numaa@hotmail.com&gt; - patch for alternate data type recognition in CMSSignedDataParser.

Janis Schuller &lt;js@64tzi.de&gt; - addition of NotationData packets for OpenPGP.

Michael Samblanet &lt;mike@64samblanet.com&gt; - patches towards improved Sun/default provider support in CMS.

Mike Stjohns &lt;mstjohns@64comcast.net&gt; - patches for supporting empty subject in X.509 certificate generation, noneWithECDSA, updates to KeyPurposeId.

Ramon Keller &lt;ramon.keller@64gmx.ch&gt; - patch to deal with null revocations return from other CRL in X509V2CRLGenerator.

Mark Nelson &lt;mark@64nbr.com&gt; - correction to excluded DN in name constraints processing for PKIX processing.

Eugene Golushkov &lt;eugene_gff@64ukr.net&gt; - mask fix to single byte read in TlsInputStream.

Julien Pasquier &lt;JulienPasquier@64free.fr&gt; - additional classes for supporting signature policy and signer certificates in the ASN.1 esf and ess libraries.

Peter Knopp &lt;tpknopp@64mtg.de&gt; - fix for named curve recognition in ECGOST key generation.

Jakub Gwozdz &lt;gwozdziu@64rgp.pl&gt; - addition of getTs() to TimeStampTokenInfo.

Bartosz Malkowski &lt;bmalkow@64tigase.org&gt; - initial implementation of VMPC cipher, VMPCRandomGenerator, VMPCMac.

Tal Yacobi &lt;tal.yacobi@octavian-tech.com&gt; - fix for issue in OpenPGP examples [#BJA-55].

Massimiliano Ziccardi &lt;massimiliano.ziccardi@64gmail.com&gt; - support for counter signature reading in CMS API, update for multiple counter signature attributes, JCA compliance patch for PEM parsing in CertificateFactory.

Andrey Pavlenko &lt;andrey.a.pavlenko@64gmail.com&gt; - security manager patch for PKCS1Encoding property check.

J Ross Nicoll &lt;jrn@64jrn.me.uk&gt; - improved exception handling for getInstance() in ASN.1 library.

Matthew Stevenson &lt;mavricknz@64yahoo.com&gt; - patch to constructor for CRMFCertSequence.

Gabriele Contini &lt;g.contini@64hotpop.com&gt; - identified a bug in ASN.1 library with handling of unterminated NDEF's.

Roelof Naude &lt;roelof.naude@64epiuse.com&gt; - patch for TLS client to send empty client certs in response to HP_CERTIFICATE_REQUEST.

Patrick Peck &lt;peck@64signatureen.at&gt; - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.

Michael LeMay &lt;lemaymd@64lemaymd.com&gt; - identified problem with EAX [#BJA-93].

Alex Dupre &lt;ale@64freebsd.org&gt; - fix to use of Signature rather than SignatureSpi in provider [#BJA-90]. Addition of null provider use to SignedPublicKeyAndChallenge and PKCS10CertificationRequest [#BJA-102].
<li>Michael Schoene &lt;michael@064sigrid-und-michael.de&gt; - fix of improper handling of null in
ExtendedPKIXParameters.setTrustedACIssuers(), check for V2 signingCertificate attribute in
TimeStampResponse.validate().</li>
<li>Jon Larrañetilde;aga &lt;jlarra@064s21sec.com&gt; - fix to default partial packet generation in
BCPGOutputStream.</li>
<li>Bob Kerns &lt;bob.kerns@064positscience.com&gt; - fix to hashCode for X509CertificateObject.</li>
<li>Stefan Meyer &lt;stefan.meyer@064ewe.de&gt; - backport for PKIXCertPathValidotor and
SMIMESignedMailReviewer.</li>
<li>Robert J. Moore &lt;Robert.J.Moore@064allanbank.com&gt; - speedups for OpenPGPCFB mode, clean room
JCE patches.</li>
<li>Rui Hodai &lt;rui@064po.ntts.co.jp&gt; - speed ups for Camellia implementation, CamelliaLightEngine.</li>
<li>Emir Bucalovic &lt;emir.bucalovic@064mail.com&gt; - initial implementation of Grain-v1 and Grain-128.</li>
<li>Torbjorn Svensson &lt;tobbe79@064mail.com&gt; - initial implementation of Grain-v1 and Grain-128.</li>
<li>Paul FitzPatrick &lt;bounceycastle_pfitz@064fitzpatrick.cc&gt; - error message fix to X509LDAPCertStoreSpi,
comparison fix to BCStrictStyle.</li>
<li>Henrik Andersson &lt;k.henrik.andersson@gmail.com&gt; - addition of UniquelIssuerID to certificate
generation.</li>
<li>Cagdas Cirit &lt;cagdascirit@064gmail.com&gt; - subjectAlternativeName fix for x509CertStoreSelector.</li>
<li>Harakiri &lt;harakiri_23@064yahoo.com&gt; - datahandler patch for attached parts in SMIME signatures.</li>
<li>Pedro Henriques &lt;pmahenriques@064gmail.com&gt; - explicit bounds checking for DESKeyGenerator, code
simplification for OAEPEncoding.</li>
<li>Lothar Kinneringer &lt;loby@064kimringen.de&gt; - verbose mode for ASN1Dump, support for
dEREternal, DNS performance fix for S/MIME API.</li>
<li>Richard Farr &lt;rfarr.se@064gmail.com&gt; - initial SRP-6a implementation.</li>
<li>Thomas Castiglione &lt;castiglione@064au.ibm.com&gt; - patch to encoding for CRMF OptionalValidity.</li>
<li>Elisabetta Romani &lt;eromani@064sogei.it&gt; - patch for recognising multiple counter signatures.</li>
<li>Robin Lundgren &lt;r737lundgren@064gmail.com&gt; - CMPCertificate constructor from
X509CertificateStructure fix.</li>
<li>Petr Kadlec &lt;mormegil@064centrum.cz&gt; - fix to sign extension key and IV problem in HC-128, HC-
256.</li>
<li>Andreas Antener &lt;antener_a@064gm.ch&gt; - fix to buffer reset in AsymmetricBufferedBlockCipher.</li>
<li>Harendra Rawat &lt;hsrawat@064yahoo.com&gt; - fix for BERConstructedOctetString.</li>
<li>Rolf Lindemann &lt;rolf.lindemann@064trustcenter.de&gt; - patch for PKCS12 key store to support more flexible
attribute specifications [#BMA-42].</li>
<li>Alex Artamonov &lt;alexart.home@064gmail.com&gt; - name look up patch for GOST-2001 parameters.</li>
<li>Mike Lyons &lt;mlyons@064layer7tech.com&gt; - work arounds for EC JDK bug 6738532 and JSSE EC
naming conventions.</li>
<li>Chris Cole &lt;chris_h_cole@064yahoo.com&gt; - identified a problem handling null passwords when loading a
BKS keystore.</li>
<li>Tomas Krivanek &lt;tom@064atack.cz&gt; - added checking of Sender header to SignedMailValidator.</li>
<li>Michael &lt;emfau@064t-online.de&gt; - correction of field error in getResponse method in
CertRepMessage.</li>
<li>Trevor Perrin &lt;trevor@064cryptography.com&gt; - addition of constant time equals to avoid possible timing
attacks.</li>
<li>Markus Kil@aring@s &lt;markus@064primekey.se&gt; - several enhancements to
timeStampResponseGenerator.</li>
<li>Dario Novakovic &lt;darionis@064yahoo.com&gt; - fix for NPE when checking revocation reason on CRL
without extensions.
Michael Smith &lt;msmith@cbnco.com&gt; bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.

Andrea Zilio &lt;andrea.zilio@064gmail.com&gt; fix for PEM password encryption of private keys.

Alex Birkett &lt;alex@064birkett.co.uk&gt; added support for EC cipher suites in TLS client (RFC 4492) [#BJA-291].

Wayne Grant &lt;waynedgrant@064gmail.com&gt; additional OIDs for PCKS10 and certificate generation support.

Frank Cornelis &lt;info@064frankcornelis.be&gt; additional support classes for CAdES, enhancements to OCSP classes.

Jan Dittberner &lt;jan@064dittberner.info&gt; addHeader patch for SMIME generator.

Bob McGowan &lt;boab.mcgoo@064btinternet.com&gt; patch to support different object and mgf digests in PSS signing.

Ivo Matheis &lt;i.matheis@064seeburger.de&gt; fix to padding verification in ISO-9796-1.

Marco Sandrini &lt;nessche@064gmail.com&gt; patch to add IV to ISO9797Alg3Mac.

Alf Malf &lt;alf.malf@064hotmail.com&gt; removal of unnecessary limit in CMSContentInfoParser.

Alfonso Massa &lt;alfonso.massa@064insiel.it&gt; contributions to CMS time stamp classes.

Giacomo Boccardo &lt;gboccardo@064unimaticaspa.it&gt; initial work on CMSTimeStampedDataParser.

Arnis Tartu &lt;arnis@064ut.ee&gt; patches for dealing with OIDs with specific key sizes associated in CMS.

Janusz Sikociski &lt;J.Sikocinski@gdzie.pl&gt; addition of Features subpacket support to OpenPGP API.

Juri Hudolejev &lt;jhudolejev@064gmail.com&gt; JavaDoc fix to CMSSignedDataParser.

Liane Velten &lt;liane.velten@064hpj-consulting.com&gt; fine tuning of code for DHParameters validation.

Shawn Willden &lt;swillden@064google.com&gt; additional functionality to PGPKeyRing.

Atanas Krachev &lt;akrachev@064gmail.com&gt; added support for revocation signatures in OpenPGP.

Mickael Laiking &lt;mickael.laiking@064keynectis.com&gt; initial cut of EAC classes.

Tim Buktu &lt;tbuktu@064hotmail.com&gt; Initial implementation of NTRU signing and encryption.

Bernd &lt;rbernd@064gmail.com&gt; Fix for open of PGP literal data stream with UTF-8 naming.

Steing Inge Morisbak &lt;stein.inge.morisbak@064BEKK.no&gt; Test code for lower case Hex data in PEM headers.

Andreas Schmid &lt;andreas.schmid@064tnge.com&gt; Additional expiry time check in PGPPublicKeys.

Phil Steitz &lt;phil.steitz@064gmail.com&gt; Final patch eliminating JCE dependencies in the OpenPGP BC classes.

Ignat Korchagin &lt;ignat.korchagin@064gmail.com&gt; Initial implementation of DSTU-4145-2002, long hash fix for DSTU-4145-2002.

Petur Petrov &lt;p.petrov@064bers-soft.com&gt; Testing and debugging of UTF-8 OpenPGP passwords.

Daniel Fitzpatrick &lt;daniel.f.nwr@064gmail.com&gt; Initial implementation of ephemeral key support for IES, initial implementations of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates for EC.

Andy Neilson &lt;Andy.Neilson@quest.com&gt; a further patches to deal with multiple providers and PEMReader.

Ted Shaw &lt;xiao.xj@064gmail.com&gt; patch to MiscPEMGenerator for handling new PKCS10CertificationRequests.

Eleriseth &lt;Eleriseth@WPECGLtYbVi8Ri6Y7VzLvd2EUUVW99v3yNV3JWROG8.fms&gt; speed up for SIC/CTR mode. Provider compatibility generalisations for EC operations.
Kenny Root &lt;kenny@064the-b.org&gt; patch for issuerAltName, subjectAltName support in X509CertificateObject, BaseBlockCipher.getIV() patch for AEAD.

Maarten Bodewes &lt;maarten.bodewes@064gmail.com&gt; initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.

Philip Clay &lt;phil_b@064yahoocom&gt; Initial implementation of J-PAKE.

Brian Carlstrom &lt;bdc@064carlstrom.com&gt; compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, initial provider PBKDF2WithHmacSHA1 SecretKeyFactory.

Samuel Lid&eacute;n Borell &lt;samuel@primekey.se&gt; patch to add DSTU-4145 to DefaultSignatureAlgorithmFinder.

Sergio Demian Lerner &lt;sergiolerner@certimix.com&gt; pointing out isInfinity issue in ECDSASigner signature verification.

Tim Whittington &lt;Tim.Whittington@064orionhealth.com&gt; patch to remove extra init call in CMac, additional of Memoable interface for Digest classes, initial implementation of GMAC, further correctness tests for IV and reset processing in OCB, CCM, and block cipher reset. Initial implementation of Skein, XSalza20, ChaCha, reduced round Salsa20, Threefish, and the Poly1305 MAC. Documentation updates. Added OCB support to Noekeon and CAST6 in the provider, exception testing for CTS, optimisations for CCM, provider support for AAD cipher methods, safe CipherInput/OutputStream implementations for use with AAD and subsequent bug fixes, cleanup after IDEA patent expiry, work on JCE SipHash support, optimisations for AESFastEngine, further work on EncodableDigest for SHA-2 digests, contributions to BCrypt/OpenBsdBCrypt, PGP API documentation and code quality work.

Marcus Lundblad &lt;marcus.lundblad@064primekey.se&gt; patch for working around JDK jarsigner TSP bug, optional setting of IssuerSerial in TimeStampTokenGenerator, additional extensions enhancement for time stamp token generation.

Andrey Zhozhin &lt;zhozhin@064xrm.ru&gt; patch for override of TSP SignerInfo attributes.

Sergey Tiunov &lt;t5555d@gmail.com&gt; initial cut of DVCS classes.

Damian Kolasa &lt;fatfredyy@gmail.com&gt; &lt;#064gmail.com&gt; initial cut of DVCS classes.

Daniele Grasso &lt;daniele.grasso86@gmail.com&gt; contributions to final Key calculation code for SRP6.

Andrey Utkin &lt;cindrhc@gmail.com&gt; patch to reconstruction of ECGOST keys from PrivateKeyInfo objects in provider classes.
<li>Arnis Tartu &lt;arnis#ut.ee&gt; checker for generated key vs OID in JceCMSContentEncryptorBuilder.</li>
<li>AxelVDB &lt;axel-vdb#064riseup.net&gt;; initial implementation of Shacal2.</li>
<li>Roberto Tyley &lt;gt;&gt; further work on completing gradle build.</li>
<li>Waldemar Dick &lt;wdick#064devmue.de&gt; code improvement in x500 ASN.1 package.</li>
<li>Sid Steward &lt;sid.steward#064pdflabs.com&gt; code improvements to ASN1Boolean.</li>
<li>Alex Klyubin &lt;klyubin#064google.com&gt; AlgorithmParameters check for EC key agreement.</li>
<li>Jonathan Gillett &lt;gsc.student#064gmail.com&gt; Initial support for block cipher IVs in IESEngine, IES MAC length check bug fix.</li>
<li>Andreas Reiter &lt;andreas.reiter#064vik.tugraz.at&gt; Reported incomplete status of CertificateVerify processing in (D)TLS server, and provided fix.</li>
<li>Kieran Miller &lt;kieran.miller#064gmail.com&gt; initial implementation for RFC 5649 key wrap with padding.</li>
<li>Oliver Ehli &lt;ehli#064arago.de&gt; Additional support for BSI plain ECDSA in the provider.</li>
<li>Daniel Heldt &lt;Daniel.Heldt#064cryptovision.com&gt; Initial support for encodable state message digests.</li>
<li>Robert Bushman &lt;bouncycastle#064traxel.com&gt; Clean up of DirectKeySignature example.</li>
<li>Maurice Aarts &lt;aarts#064risecure.com&gt; updated to KDF generator to follow NIST SP 800-108.</li>
<li>Frantziskus Kiefer &lt;https://github.com/franziskuskiefer&gt; initial implementation of Cramer-Shoup.</li>
<li>KB Srim &lt;mail_kb#064yahoo.com&gt; testing for odd encodings for PGP User Attribute Subpackets.</li>
<li>Marco Schulz &lt;marco#064nightlabs.de&gt; Reported verification bug in GenericSigner.</li>
<li>Math Schaef &lt;https://github.com/martinschaef&gt; contributed a code-cleanup patch.</li>
<li>dstutz &lt;https://github.com/dstutz&gt; added iteration count setters to PKCS#12 PBE mac/key generator builders.</li>
<li>Tobias Wich &lt;https://github.com/tobias.wich#064ecs#ec#81.de&gt; Provided patch for TLS to work around servers sending Supported Elliptic Curves extension unexpectedly.</li>
<li>Hauke Mehrtens &lt;https://github.com/hauke#064hauke-m.de&gt; TLS patch to add ECDHE_ECDSA CCM ciphersuites from RFC 7251.</li>
<li>Daniel Zimmerman &lt;dmz#064galois.com&gt; Further key quality improvements to RSAKeyPairGenerator.</li>
<li>Jens Kapitza &lt;jk.kapitza#064schwarze-allianz.de&gt; Iterable support in OpenPGP API, code cleanup in OpenPGP API.</li>
<li>Johan Eklund &lt;johan#064primekey.se&gt; update to RFC 6960 for OCSPObjectIdentifiers.</li>
<li>nikosn &lt;https://github.com/nikosn&gt; Fix to encoding of EC private keys to ensure encoding matches order length.</li>
<li>Axel von dem Bruch &lt;axel-vdb#064riseup.net&gt; Contributions to BCrypt/OpenBSDBCrypt, original version of Blake2bDigest.</li>
<li>Derek Atkins &lt;derek#064htfp.com&gt; Documentation fixes to X9ObjectIdentifiers.</li>
<li>Peter Jr Halicky &lt;peto#064halicky.sk&gt; Correction to notification/error message handling in SignedMailValidator.</li>
<li>lartiguePierre &lt;https://github.com/lartiguePierre&gt; Fix for counter signature SID in CMSSignedData.</li>
<li>Thomas Belot &lt;https://github.com/thomas.belot+BC#064gmail.com&gt; initial CertPathLoopTest for demonstrating stack overflow issue.</li>
<li>Rich DiCroce &lt;https://github.com/rdcroce&gt; Initial implementation of server-side TLS-SRP support. TLS API extension to support non-blocking usage.</li>
<li>Bjouml;rn Kautler &lt;https://github.com/Vampire&gt; Refinements to cert path validation (authority key addition, certificate order preservation).
<li>Dominik Schüßermann &lt;https://github.com/dschuermann&gt; method for returning signatures/verifications without user IDs on PGPPublicKey, method for exposing S2K in PGPSecretKey, constants for GNU protection modes in S2K classes, optional version header for armored output.</li>

<li>Michael &lt;https://github.com/MSKnete&gt; initial fix for bitStrength issue for OpenPGP EC keys, correction for generic type on RecipientInformationStore.</li>

<li>Tobias Wagner &lt;https://github.com/tobias.wagner&gt; Fix SecureRandom handling in BcAsymmetricKeyWrapper [#BJA-536].</li>

<li>Sergio Giro &lt;https://github.com/sgiropublickey&gt; Fixed adding of additional stores from CRL distribution point [#BJA-537], Fixed missing null check for CRL certificate issuer [#BJA-538], removal of risky zeroisation code in PBE.java, check for salt in PBEKeys that require it.</li>

<li>bschuette &lt;https://github.com/bschuette&gt; Fixed typo in DefaultSignatureAlgorithmIdentifierFinder, additional methods on CMSVersionedDataParser.</li>

<li>Leonard Dallot &lt;https://github.com/leonardotiztag&gt; Fix to S2K usage of none on changing passwords on keys without passwords originally.</li>

<li>Jan Willem Janssen &lt;j.w.janssen+bouncycastle@064xtreme.nl&gt; Support for DSAParameters in lightweight SubjectPublicKeyInfoFactory, initial object signer verifier for BC lightweight EC.</li>

<li>Sebastian Oerding &lt;https://github.com/dallotTazTag&gt; Fix to S2K usage of none on changing passwords on keys without passwords originally.</li>

<li>Jan Willem Janssen &lt;j.w.janssen+bouncycastle@064xtreme.nl&gt; Support for DSAParameters in lightweight SubjectPublicKeyInfoFactory, initial object signer verifier for BC lightweight EC.</li>

<li>Sebastian Oerding &lt;https://github.com/dallotTazTag&gt; Fix to S2K usage of none on changing passwords on keys without passwords originally.</li>

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<li>Leonard Dallot &lt;https://github.com/leonardotiztag&gt; Fix to S2K usage of none on changing passwords on keys without passwords originally.</li>
<li>Na Yu &lt;na.yu@samsung.com&gt; Constructor patches to CMC PKIData.</li>
<li>Evangelos Karatsiolis &lt;ekaratsiolis@#64mtg.de&gt;: Corrected use of explicit tagging in X.509 PolicyConstraints class.</li>
<li>VivleSoren &lt;https://github.com/VivleSoren&gt; additional constructor for McElieceCCA2PrivateKeyParameters.</li>
<li>mtausig &lt;https://github.com/mtausig&gt;: JavaDoc fix for MCSEncryptedDataGenerator.</li>
<li>Sebastian Wolfgang Roland &lt;sebastianwolfgang.roland@#64stud.tu-darmstadt.de&gt;: Initial XMSS/XMSS-MT implementation.</li>
<li>didisoft &lt;https://github.com/didisoft&gt;: test code for PGP signature removal involving user ids.</li>
<li>Mike Safonov &lt;https://github.com/MikeSafonov&gt;: initial implementation of GOST3410-2012 for lightweight provider and JCA, parameters patches for ECGOST keys, initial implementation of GOST3412-2015, addition of fromExtensions() for CRLDistPoint.</li>
<li>Artem Storozhuk &lt;storojs72@gmail.com&gt;: initial implementation of DSTU7564 (digest) and DSTU7624 (cipher) and their associated modes.</li>
<li>Andreas Glaser &lt;andreas.glaser@#64gi-de.com&gt;: patch to recognise ANSSI curves for PKCS#10 requests.</li>
<li>codeborne &lt;https://github.com/cbxp&gt;: patch to correct OIDs used in public key digest parameters for ECGOST-2012.</li>
<li>FauxFaux &lt;https://github.com/FauxFaux&gt;: patch for JDK 1.9 update to DRBG.java.</li>
<li>4garbage &lt;https://github.com/4garbage&gt;: patch to allow GOST3410-94 private keys encoded as integers.</li>
<li>ekszz &lt;https://github.com/ekszz&gt;: corrections to SM2 signer to include default identity value.</li>
<li>jminer &lt;https://github.com/jminer&gt;: fix for Blake2b for hashes in range of $2^{64-127}$ to $2^{64}$.</li>
<li>str4d &lt;https://github.com/str4d&gt;: initial implementation of Blake2s.</li>
<li>Scott Woodward &lt;scott@#64bitconsulting.com&gt;: performance fixes for CTRSP800DRBG.</li>
<li>David Strawn &lt;https://github.com/isomarcte&gt;: fix for off by one error in SCRYPT bounds checking.</li>
<li>chris mccown &lt;0xchrismccown@gmail.com&gt;: identification of serialisation issue with XMSS/XMSSMT private keys (see also CVE-2018-1000613).</li>
<li>ZZMarquis &lt;https://github.com/ZZMarquis&gt;: offset patches for SM2 encryption and decryption, improvement to Array constant time comparison.</li>
<li>Andreas Kretschmer &lt;https://github.com/Akretsch&gt;: NPE fix for CertTemplate.getVersion().</li>
<li>Armin Lunkeit, Michael Tautenhahn &lt;&gt;: identification of M-R test issue on higher certainty values in RSA key pair generation.</li>
<li>Paul Schaub &lt;https://github.com/vanitasvitae&gt;: bringing PGPSecretKey.getUserIds() into line with PGPPublicKey.getUserIds(). Exception message fix in BcPublicKeyDataDecryptorFactory. Additional tests on PGP key ring generation.</li>
<li>Nick of Nexxar &lt;https://github.com/nros&gt;: update to OpenPGP package to handle a broader range of EC curves.
<li>catbref &lt;https://github.com/catbref&gt; sample implementation of RFC 7748/Ed25519 (incorporated work from github users Valodim and str4d as well).</li>
<li>gerlion &lt;https://github.com/gerlion&gt; detection of concurrency issue with pre-1.60 EC math library.</li>
<li>fgrieu &lt;fgrieu&#064;gmail.com&gt; identification and suggested fixes for possible timing vulnerability in OAEPEncoding and RSACoreEngine.</li>
<li>MTG &lt;https://github.com/mtgag&gt; patch for decoding issues in PKIPublicationInfo and CertifiedKeyPair.</li>
<li>Andreas Gadermaier &lt;up.gadermaier&#064;064gmail.com&gt; initial version of Argon2 PBKDF algorithm.</li>
<li>Tony Washer &lt;tony.washer@yahoo.co.uk&gt; review of qTesla, Java 1.9 module code, additional test code and debugging for GOST, DSTU, and ECNR algorithms. Initial lightweight implementation of the ZUC ciphers and macs.</li>
<li>Vincent Bouckaert &lt;https://github.com/veebee&gt; initial version of RFC 4998 ASN.1 classes.</li>
<li>Tony Washer &lt;https://github.com/tonywasher&gt; ECIESKeyEncapsulation fix for use of OldCofactor mode. Submitted ChaCha20Poly1305 prototype.</li>
<li>Aurimas Liutikas &lt;https://github.com/liutikas&gt; JavaDoc patches to ReasonsMask.</li>
<li>Gabriel Sroka &lt;https://github.com/gabrielsroka&gt; corrected comments in RSA validation.</li>
<li>sarah-mdv &lt;https://github.com/sarah-mdv&gt; improvements to JceKeyTransRecipientInfoGenerator, tests for JournalingSecureRandom, initial implementation of JournaledAlgorithm.</li>
<li>Jesse Feinman &lt;https://github.com/jessefeinman&gt; performance optimisation in RSAKeyParameters.</li>
<li>Gilis95 &lt;https://github.com/Gilis95&gt; improved JSE compatibility for setEnabledCipherSuites.</li>
<li>Haemin Yoo &lt;https://github.com/yoohaemin&gt; Javadoc fixes.</li>
<li>Antoine Toulme &lt;https://github.com/atoulme&gt; Initial implementation of EthereumISeEngine.</li>
<li>Golden Looly &lt;https://github.com/looly&gt; Patch for addition of C1C3C2 mode to SM2Engine.</li>
<li>Moses Palm&eacute;aeucute;&lt;TrueSec &lt;Henrik.Palmer#064truesec.se&gt; Additional improvements to constant time comparisons.</li>
<li>Ren&eacute; Korthaus &lt;https://github.com/kevinherron&gt; Initial ChaCha20Poly1305 prototype.</li>
<li>vkreml &lt;https://github.com/svkreml&gt; GOST compliance change for DefaultCMSSignatureEncryptionAlgorithmFinder.</li>
<li>Tobias Ospelt &lt;https://github.com/tobias#064pentagrid.ch&gt; Identification of 1.63 regression in ASN.1 parsing.</li>
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not-a-legal-formal-parameter-tuple.scala:2: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.
Either create a single parameter accepting the Tuple2, or consider a pattern matching anonymous function: `\{ case (a, b) => ... \}
val x: ((Int, Int) => Int) = (((a, b)) => a)

not-a-legal-formal-parameter-tuple.scala:3: error: not a legal formal parameter.
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Either create a single parameter accepting the Tuple2, or consider a pattern matching anonymous function: `\{ case (param1, param2) => ... \}
val y: ((Int, Int, Int) => Int) = (((a, !!)) => a)

not-a-legal-formal-parameter-tuple.scala:4: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.
Either create a single parameter accepting the Tuple3, or consider a pattern matching anonymous function: `\{ case (param1, ..., param3) => ... \}
val z: ((Int, Int, Int) => Int) = (((a, NotAPatternVariableName, c)) => a)

three errors found

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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) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

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1.238 cache-api 1.0.0
1.239 akka-slf4j 2.5.22

1.240 jul-to-slf4j 1.7.26

1.241 gpsd 3.17-5

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1.242 inherits 2.0.3

1.243 jersey-container-servlet 2.6

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1.247 source-map 0.5.7

1.248 sb-admin-bs4-angular v4.0.0

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A. HISTORY OF THE SOFTWARE

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

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

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

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.
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1.259 jsdif 3.4.0
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1.260 tsutils 2.26.2

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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END OF TERMS AND CONDITIONS

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

<one line to give the library's name and a brief idea of what it does.>
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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

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Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic
pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

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"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

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

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

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

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c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.
You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

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

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

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

A separable portion of the object code, whose source code is excluded
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1.265 minimist 1.2.0

1.266 scala-reflect 2.11.9

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/** The entry point into Scala runtime reflection.
 */
* To use Scala runtime reflection, simply use or import `scala.reflect.runtime.universe._`

* See [[scala.reflect.api.Universe]] or the
  * for more details.

*/

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1084488424_1598516346.44/0/scala-reflect-2-11-9-sources-jar/scala/reflect/runtime/package.scala

---

1.267 readline 7.0 3

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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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dh_python2, pycompile, pyclean and debpython module:

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DRuntime: Runtime Library for the D Programming Language

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Version 3.1, 31 March 2009

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

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

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

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

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

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========

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1.277 babel-template 6.26.0

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" Vim syntax file
" Language:Software Distributor product specification file
"(POSIX 1387.2-1995).
" Maintainer:Rex Barzee <rex_barzee@hp.com>
" Last change:25 Apr 2001

" quit when a syntax file was already loaded
if exists("b:current_syntax")
    finish
endif

* Product specification files are case sensitive
syn case match

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

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

syn match  psfObjTag    \([-+_A-Z0-9a-z]\+\][-+_A-Z0-9a-z]\+\)* contained
syn match  psfAttAbbrev  ,\([-+_A-Z0-9a-z]\<\|\>|\<=\|\>=\|\==\)\[^,\]+ contained
syn match  psfObjTags   \([-+_A-Z0-9a-z]\+\][-+_A-Z0-9a-z]\+\)*\[-+_A-Z0-9a-z]\+\)* contained
syn match  psfNumber    \d+ contained
syn match  psfFloat     \d+\.[^\d]+ contained
syn match  psfLongDate  \d+\d+\d+\d+\d+\d+\d+\d+\d+\d+\d+\d+\d+\d+\d+ contained

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

syn keyword psfBoolean  false true contained

"Some of the attributes covered by attUnquotString and attQuotString:
" architecture category_tag control_directory copyright
" create_date description directory file_permissions install_source
" install_type location machine_type mod_date number os_name os_release
" os_version pose_as_os_name pose_as_os_release readme revision
" share_link title vendor_tag
syn region psfAttUnquotString matchgroup=psfAttrib start=--[^s]\[^#\]+[^s]+[^#"] ~rs=e-1
contains=psfUnquotString.psfComment end=--$ keepend oneline

syn region psfAttQuotString matchgroup=psfAttrib start=--[^s]\[^#\]+[^s]+[^#"] ~rs=e-1
contains=psfQuotString.psfComment skip=--"~ matchgroup=psfQuotString end=--" keepend

" These regions are defined in attempt to do syntax checking for some
" of the attributes.
syn psfAttTag matchgroup=psfAttrib start="[^s]*tag[^s]+" contains=psfObjTag.psfComment end="$" keepend oneline
Define the default highlighting.
Only when an item doesn't have highlighting yet

hi def link psfObject Statement
hi def link psfAttrib Type
hi def link psfQuotString String
hi def link psfObjTag Identifier
hi def link psfAttAbbrev PreProc
hi def link psfObjTags Identifier

hi def link psfComment Comment

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

let b:current-syntax = "psf"
/*
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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
*uganda.txt* For Vim version 8.1. Last change: 2018 May 17

VIM REFERENCE MANUAL by Bram Moolenaar

*uganda* *Uganda* *copying* *copyright* *license*
SUMMARY
*iccf* *ICCF*
Vim is Charityware. You can use and copy it as much as you like, but you are encouraged to make a donation for needy children in Uganda. Please see [kcc] below or visit the ICCF web site, available at these URLs:

http://iccf-holland.org/
http://www.vim.org/iccf/
http://www.iccf.nl/
You can also sponsor the development of Vim. Vim sponsors can vote for features. See [sponsor]. The money goes to Uganda anyway.

The Open Publication License applies to the Vim documentation, see [manual-copyright].

=== begin of license ===

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I) There are no restrictions on distributing unmodified copies of Vim except that they must include this license text. You can also distribute unmodified parts of Vim, likewise unrestricted except that they must include this license text. You are also allowed to include executables that you made from the unmodified Vim sources, plus your own usage examples and Vim scripts.

II) It is allowed to distribute a modified (or extended) version of Vim, including executables and/or source code, when the following four conditions are met:

1) This license text must be included unmodified.
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   b) If you have received a modified Vim that was distributed as mentioned under a) you are allowed to further distribute it unmodified, as mentioned at I). If you make additional changes the text under a) applies to those changes.
   c) Provide all the changes, including source code, with every copy of the modified Vim you distribute. This may be done in the form of a context diff. You can choose what license to use for new code you add. The changes and their license must not restrict others from making their own changes to the official version of Vim.
   d) When you have a modified Vim which includes changes as mentioned...
under c), you can distribute it without the source code for the changes if the following three conditions are met:
- The license that applies to the changes permits you to distribute the changes to the Vim maintainer without fee or restriction, and permits the Vim maintainer to include the changes in the official version of Vim without fee or restriction.
- You keep the changes for at least three years after last distributing the corresponding modified Vim. When the maintainer or someone who you distributed the modified Vim to asks you (in any way) for the changes within this period, you must make them available to him.
- You clearly describe in the distribution how to contact you. This contact information must remain valid for at least three years after last distributing the corresponding modified Vim, or as long as possible.
  
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  3) A message must be added, at least in the output of the "':version" command and in the intro screen, such that the user of the modified Vim is able to see that it was modified. When distributing as mentioned under 2)e) adding the message is only required for as far as this does not conflict with the license used for the changes.
  
  4) The contact information as required under 2)a) and 2)d) must not be removed or changed, except that the person himself can make corrections.

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IV) It is not allowed to remove this license from the distribution of the Vim sources, parts of it or from a modified version. You may use this license for previous Vim releases instead of the license that they came with, at your option.

=== end of license ===

Note:

- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.

- If you want to support further Vim development consider becoming a
- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.

- If you link Vim with a library that goes under the GNU GPL, this limits further distribution to the GNU GPL. Also when you didn't actually change anything in Vim.

- Once a change is included that goes under the GNU GPL, this forces all further changes to also be made under the GNU GPL or a compatible license.

- If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED_BY define.

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

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

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

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

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

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

*donate*

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

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

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

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

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

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

Sending money:*iccf-donations*

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

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

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly.
Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.
Kibaale Children's Fund c/o Pacific Academy
10238-168 Street
Surrey, B.C. V4N 1Z4
Canada
Phone: 604-581-5353
If you make a donation to Kibaale Children's Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse. This will allow for tax deduction if you live in Holland.
Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

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

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

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number.
Any other method should work. Ask for information about sponsorship.
Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:
The e-mail address for sending the money to is:
Bram@iccf-holland.org
For amounts above 400 Euro ($500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:
Postbank, account 4548774
Swift code: INGB NL 2A
IBAN: NL95 INGB 0004 5487 74
under the name "stichting ICCF Holland", Lisse
If that doesn't work:
Rabobank Lisse, account 3765.05.117
Swift code: RABO NL 2U
under the name "Bram Moolenaar", Lisse
Otherwise, send a check in euro or US dollars to the address below. Minimal amount: $70 (my bank does not accept smaller amounts for foreign check, sorry)

Address to send checks to:
Bram Moolenaar
Finsterruetihof 1
8134 Adliswil
Switzerland

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

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

1.287 libsepol 3.0-1
1.287.1 Available under license:

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Version 2.1, February 1999

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

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

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.
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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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1.292 escape-string-regexp 1.0.5

1.293 source-map 0.6.1

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1.294 @types/node 9.6.12

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1.295 j2objc-annotations 1.1
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From strings/apr_strnatcmp.c, include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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Replaceable is an interface representing a string of characters that supports the replacement of a range of itself with a new string of characters. It is used by APIs that change a piece of text while retaining metadata. Metadata is data other than the Unicode characters returned by char32At(). One example of metadata is style attributes; another is an edit history, marking each character with an author and revision number.

An implicit aspect of the Replaceable 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".

Replaceable 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.

Replaceable also includes API to access characters in the string: length(), charAt(), char32At(), and extractBetween().

For a subclass to support metadata, typical behavior of
<code>replace()</code> is the following:

<ul>
<li>Set the metadata of the new text to the metadata of the first character replaced</li>
<li>If no characters are replaced, use the metadata of the previous character</li>
<li>If there is no previous character (i.e. start == 0), use the following character</li>
<li>If there is no following character (i.e. the replaceable was empty), use default metadata</li>
<li>If the code point U+FFFF is seen, it should be interpreted as a special marker having no metadata</li>
</ul>

If this is not the behavior, the subclass should document any differences.

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@author Alan Liu
@stable ICU 2.0

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<code>ReplaceableString</code> is an adapter class that implements the <code>Replaceable</code> API around an ordinary <code>StringBuffer</code>.</p>

<p><em>Note:</em> This class does not support attributes and is not intended for general use. Most clients will need to implement { @link Replaceable } in their text representation class.</p>

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@see Replaceable
@author Alan Liu
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package java.security;

import java.io.Serializable;

public abstract class Permission implements Guard, Serializable {


public Permission(String name) { }

public final String getName() { return null; }

public void checkGuard(Object obj) throws SecurityException { }

public PermissionCollection newPermissionCollection() {
    return new AllPermissionCollection();
}

public abstract String getActions();

public abstract boolean implies(Permission permission);
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contains test data from http://aspell.net/test/orig/batch0.tab.
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1.303 decamelize 1.2.0

1.304 bcpkix-jdk15on 1.60
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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.salaranta@iki.fi), and has been in development since 2007.
It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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### 1.307 perl 5.30.0-9build1

#### 1.307.1 Available under license:

---

abstract: 'Build and install Perl modules'

author:
- 'Ken Williams <kwilliams@cpan.org>'
- "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>,""

build_requires:
File::Temp: 0.15
Test::Harness: 3.16
Test::More: 0.49
-generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
url: http://module-build.sourceforge.net/META-spec-v1.4.html
version: 1.4
name: Module-Build
resources:
MailingList: mailto:module-build@perl.org
license: http://dev.perl.org/licenses/
repository: http://github.com/dagolden/module-build/
version: 3
Format: https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Files-Excluded-regen-configure: bin/*
Upstream-Name: perl
Source: http://www.perl.com/CPAN/src/5.0/
Comment:
This package was initially debianized by Brendan O'Dea <bod@debian.org> on Thu, 17 Aug 2000 16:10:54 +1000. The packaging has since been modified by various others, including Dominic Hargreaves <dom@earth.li> and Niko Tyni <ntyni@debian.org>.

Upstream Authors:

- Larry Wall et. al. (see /usr/share/doc/perl/AUTHORS).

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cpan/Locale-Maketext-Simple/t/po_with_i_default/fr.po
cpan/Locale-Maketext-Simple/t/po_with_i_default/en.po
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but, as discussed in
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# [Font Awesome v4.7.0](http://fontawesome.io)

### The iconic font and CSS framework

Font Awesome is a full suite of 675 pictographic icons for easy scalable vector graphics on websites, created and maintained by [Dave Gandy](https://twitter.com/davegandy).

Stay up to date with the latest release and announcements on Twitter: [@fortawesome](http://twitter.com/fontawesome).

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## Changelog
- v4.7.0 GitHub pull request](https://github.com/FortAwesome/Font-Awesome/pull/10012)
- v4.6.3 GitHub pull request](https://github.com/FortAwesome/Font-Awesome/pull/9189)
- v4.6.2 GitHub pull request](https://github.com/FortAwesome/Font-Awesome/pull/9117)
- v4.6.1 GitHub pull request](https://github.com/FortAwesome/Font-Awesome/pull/8962)
- v4.6.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?q=milestone%3A4.6.0+is%3Aclosed)
- v4.5.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?q=milestone%3A4.5.0+is%3Aclosed)
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- v4.0.2 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=8&page=1&state=closed)
- v4.0.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=7&page=1&state=closed)
- v4.0.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=2&page=1&state=closed)
- v3.2.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=5&page=1&state=closed)
- v3.2.0 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=3&page=1&state=closed)
- v3.1.1 GitHub milestones](https://github.com/FortAwesome/Font-Awesome/issues?milestone=4&page=1&state=closed)
- v3.1.0 - Added 54 icons, icon stacking styles, flipping and rotating icons, removed Sass support
- v3.0.2 - much improved rendering and alignment in IE7
- v3.0.1 - much improved rendering in webkit, various bug fixes
- v3.0.0 - all icons redesigned from scratch, optimized for Bootstrap's 14px default

## Contributing

Please read through our [contributing guidelines](https://github.com/FortAwesome/Font-Awesome/blob/master/CONTRIBUTING.md).
Included are directions for opening issues, coding standards, and notes on development.

## Versioning

Font Awesome will be maintained under the Semantic Versioning guidelines as much as possible. Releases will be numbered
with the following format:
And constructed with the following guidelines:

* Breaking backward compatibility bumps the major (and resets the minor and patch)
* New additions, including new icons, without breaking backward compatibility bumps the minor (and resets the patch)
* Bug fixes, changes to brand logos, and misc changes bumps the patch

For more information on SemVer, please visit http://semver.org.

## Author
- Email: dave@fontawesome.io
- Twitter: http://twitter.com/davegandy
- GitHub: https://github.com/davegandy

## Component
To include as a [component](https://github.com/componentjs/component), just run

```bash
$ component install FortAwesome/Font-Awesome
```

Or add

```
"FortAwesome/Font-Awesome": "*"
```

to the ``dependencies` in your `component.json`

## Hacking on Font Awesome

**Before you can build the project**, you must first have the following installed:

- [Ruby](https://www.ruby-lang.org/en/)
- Ruby Development Headers
- **Ubuntu**: `sudo apt-get install ruby-dev` *(Only if you're __NOT__ using `rbenv` or `rvm`)*
- **Windows**: [DevKit](http://rubyinstaller.org/) (Run `gem install bundler` to install).
- [Bundler](http://bundler.io/) (Run `gem install bundler` to install).
- [Node Package Manager (AKA NPM)](https://docs.npmjs.com/getting-started/installing-node)
- [Less](http://lesscss.org/) (Run `npm install -g less` to install).
- [Less Plugin: Clean CSS](https://github.com/less/less-plugin-clean-css) (Run `npm install -g less-plugin-clean-css` to install).

From the root of the repository, install the tools used to develop.

```bash
$ bundle install
$ npm install
```

Build the project and documentation:
$ bundle exec jekyll build

Or serve it on a local server on http://localhost:7998/Font-Awesome/:

$ bundle exec jekyll -w serve

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1067734584_1594844909.27/0/font-awesome-4-7-0-3-tgz/package/README.md
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// Variables
// --------------------------

@fa-font-path:        "../fonts";
@fa-font-size-base:   14px;
@fa-line-height-base: 1;
//@fa-font-path:        "//netdna.bootstrapcdn.com/font-awesome/4.7.0/fonts"; // for referencing Bootstrap CDN font files directly
@fa-css-prefix:       fa;
@fa-version:          "4.7.0";
@fa-border-color:     #eee;
@fa-inverse:          #fff;
@fa-li-width:         (30em / 14);

@fa-var-500px: \f26e;
@fa-var-address-book: \f2b9;
@fa-var-address-book-o: \f2ba;
@fa-var-address-card: \f2bb;
@fa-var-address-card-o: \f2bc;
@fa-var-adjust: \f042;
@fa-var-adn: \f170;
@fa-var-align-center: \f037;
@fa-var-align-justify: \f039;
@fa-var-align-left: \f036;
@fa-var-align-right: \f038;
@fa-var-amazon: \f270;
@fa-var-ambulance: \f0f9;
@fa-var-american-sign-language-interpreting: \f2a3;
@fa-var-anchor: \f13d;
@fa-var-android: \f17b;
@fa-var-angellist: \f209;
@fa-var-angle-double-down: \f103;
@fa-var-angle-double-left: \f100;
@fa-var-angle-double-right: \f101;
@fa-var-angle-double-up: \f102;
@fa-var-angle-down: \f107;
@fa-var-angle-left: \f104;
@fa-var-angle-right: \f105;
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@fa-var-vimeo: "\f27d";
@fa-var-vimeo-square: "\f194";
@fa-var-vine: "\f1ca";
@fa-var-vk: "\f189";
@fa-var-volume-control-phone: "\f2a0";
@fa-var-volume-down: "\f027";
@fa-var-volume-off: "\f026";
@fa-var-volume-up: "\f028";
@fa-var-warning: "\f071";
@fa-var-wechat: "\f1d7";
@fa-var-weibo: "\f18a";
@fa-var-weixin: "\f1d7";
@fa-var-whatsapp: "\f232";
@fa-var-wheelchair: "\f193";
@fa-var-wheelchair-alt: "\f29b";
@fa-var-wifi: "\f1eb";
@fa-var-wikipedia-w: "\f266";
@fa-var-window-close: "\f2d3";
@fa-var-window-close-o: "\f2d4";
@fa-var-window-maximize: "\f2d0";
@fa-var-window-minimize: "\f2d1";
@fa-var-window-restore: "\f2d2";
@fa-var-windows: "\f17a";
@fa-var-won: "\f159";
@fa-var-wordpress: "\f19a";
@fa-var-wpbeginner: "\f297";
@fa-var-wpexplorer: "\f2de";
@fa-var-wpforms: "\f298";
@fa-var-wrench: "\f0ad";
@fa-var-xing: "\f168";
@fa-var-xing-square: "\f169";
@fa-var-y-combinator: "\f23b";
@fa-var-y-combinator-square: "\f1d4";
@fa-var-yahoo: "\f19e";
@fa-var-yc: "\f23b";
@fa-var-yc-square: "\f1d4";
@fa-var-yelp: "\f1e9";
@fa-var-yen: "\f157";
@fa-var-yoast: "\f2b1";
@fa-var-youtube: "\f167";
@fa-var-youtube-play: "\f16a";
@fa-var-youtube-square: "\f166";

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1067734584_1594844909.27/0/font-awesome-4-7-0-3-tgz/package/less/variables.less

No license file was found, but licenses were detected in source scan.
Found in path(s):
* /opt/ws_local/PERMITS_SQL/1067734584_1594844909.27/0/font-awesome-4-7-0-3-tgz/package/css/font-awesome.css
* /opt/ws_local/PERMITS_SQL/1067734584_1594844909.27/0/font-awesome-4-7-0-3-tgz/package/css/font-awesome.min.css
* /opt/ws_local/PERMITS_SQL/1067734584_1594844909.27/0/font-awesome-4-7-0-3-tgz/package/less/font-awesome.less
* /opt/ws_local/PERMITS_SQL/1067734584_1594844909.27/0/font-awesome-4-7-0-3-tgz/package/scss/font-awesome.scss

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

$fa-var-drivers-license: "\f2c2";

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1067734584_1594844909.27/0/font-awesome-4-7-0-3-tgz/package/scss/_variables.scss

---

1.311 jersey-client 2.6

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1.343 source-map 0.4.4
1.344 ccrypt 1.10-6

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