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Text Part Number: 78EE117C99-1177529106

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* /ha-api-3-1-9-sources-jar/org/glassfish/ha/store/api/BackingStoreTransaction.java

* /ha-api-3-1-9-sources-jar/org/glassfish/ha/store/api/BackingStoreConfiguration.java

* /ha-api-3-1-9-sources-jar/org/glassfish/ha/store/annotations/Attribute.java

* /ha-api-3-1-9-sources-jar/org/glassfish/ha/store/criteria/Expression.java

* /ha-api-3-1-9-sources-jar/org/glassfish/ha/store/impl/NoOpBackingStore.java


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* /ha-api-3-1-9-sources-jar/org/glassfish/ha/store/spi/StoreEntryEvaluator.java
* /ha-api-3-1-9-sources-jar/org/glassfish/ha/store/criteria/spi/InExpressionNode.java
* /ha-api-3-1-9-sources-jar/org/glassfish/ha/store/api/BackingStore.java
* /ha-api-3-1-9-sources-jar/org/glassfish/ha/store/spi/StoreEntryMetadata.java
* /ha-api-3-1-9-sources-jar/org/glassfish/ha/store/api/HashableKey.java
* /ha-api-3-1-9-sources-jar/org/glassfish/ha/store/spi/DuplicateFactoryRegistrationException.java
*
/ha-api-3-1-9-sources-jar/org/glassfish/ha/store/spi/AttributeMetadata.java
* /ha-api-3-1-9-sources-jar/org/glassfish/ha/store/spi/BackingStoreFactoryRegistry.java
* /ha-api-3-1-9-sources-jar/org/glassfish/ha/store/spi/ObjectInputStreamWithLoader.java
* /ha-api-3-1-9-sources-jar/org/glassfish/ha/store/criteria/spi/Opcode.java
* /ha-api-3-1-9-sources-jar/org/glassfish/ha/store/spi/Storable.java
* /ha-api-3-1-9-sources-jar/org/glassfish/ha/store/criteria/spi/LiteralNode.java
* /ha-api-3-1-9-sources-jar/org/glassfish/ha/store/api/BackingStoreException.java
* /ha-api-3-1-9-sources-jar/org/glassfish/ha/store/impl/NoOpBackingStoreFactory.java
* /ha-api-3-1-9-sources-jar/org/glassfish/ha/store/criteria/spi/AttributeAccessNode.java
* /ha-api-3-1-9-sources-jar/org/glassfish/ha/store/spi/MutableStoreEntry.java
* /ha-api-3-1-9-sources-jar/org/glassfish/ha/store/criteria/Criteria.java
* /ha-api-3-1-9-sources-jar/org/glassfish/ha/store/util/KeyTransformer.java
*
/ha-api-3-1-9-sources-jar/org/glassfish/ha/store/spi/StorableMap.java
* /ha-api-3-1-9-sources-jar/org/glassfish/ha/store/api/BackingStoreFactory.java
* /ha-api-3-1-9-sources-jar/org/glassfish/ha/store/criteria/spi/BinaryExpressionNode.java
* /ha-api-3-1-9-sources-jar/org/glassfish/ha/store/criteria/ExpressionBuilder.java
* /ha-api-3-1-9-sources-jar/org/glassfish/ha/store/criteria/spi/ExpressionNode.java
* /ha-api-3-1-9-sources-jar/org/glassfish/ha/store/util/SimpleMetadata.java
* /ha-api-3-1-9-sources-jar/org/glassfish/ha/store/annotations/StoreEntry.java
* /ha-api-3-1-9-sources-jar/org/glassfish/ha/store/spi/ObjectInputStreamOutputFactory.java
* /ha-api-3-1-9-sources-jar/org/glassfish/ha/store/api/Storeable.java
* /ha-api-3-1-9-sources-jar/org/glassfish/ha/store/criteria/spi/LogicalExpressionNode.java
* /ha-api-3-1-9-sources-jar/org/glassfish/ha/store/spi/ObjectInputStreamOutputFactoryRegistry.java
* /ha-api-3-1-9-sources-jar/org/glassfish/ha/store/annotations/Version.java
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1.4 json-simple 1.1.1

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1.5 commons-fileupload 1.4

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1.7 streambuffer 1.5.6

1.8 jaxb-api 2.3.1

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Version: 1.2

Status: Maintenance Release

Specification Lead: Oracle America, Inc. ("Specification Lead")

Release: July 2017

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1.13 jaxb-xjc 2.3.1

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1.18 python-idna 2.5-5.el8

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1.19 rootfiles 8.1-22.el8

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1.20 python-decorator 4.2.1-2.el8

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1.21 shared-mime-info 1.9-3.el8

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1.22 hostname 3.20-6.el8

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1.23 libutempter 1.1.6-14.el8

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1.24 libverto 0.3.0-5.el8

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1.25 python-six 1.11.0-8.el8

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

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

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

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

2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2			
2002	PSF	yes		
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes

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1.27 jsp 2.3.FR

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it under certain conditions; type `show c' for details.
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```

```
signature of Ty Coon, 1 April 1989
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1.34 antlr 3.5.2.v201711011707

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1.35 icu 57

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```
## *-makefile-*-
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
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## Commands to generate dependency files
GEN_DEPS.c= $(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc= $(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE= -Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

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

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

```
%o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<
```

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

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

```
## Versioned libraries rules
```

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

```
## End FreeBSD-specific setup
```

1.36 jaxb-core 2.3.1

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1.37 dbus-python 1.2.4

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1.38 pygobject 3.28.3

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1.39 python-dmidecode 3.12.2

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```

```
## Commands to generate dependency files  
GEN_DEPS.c= $(CC) -E -MM $(DEFS) $(CPPFLAGS)  
GEN_DEPS.cc= $(CXX) -E -MM $(DEFS) $(CPPFLAGS)
```

```
## Flags for position independent code  
SHAREDLIBCFLAGS = -fPIC  
SHAREDLIBCXXFLAGS = -fPIC  
SHAREDLIBCPPFLAGS = -DPIC
```

```
## Additional flags when building libraries and with threads  
THREADSCPPFLAGS = -D_REENTRANT  
LIBCPPFLAGS =
```

```
## Compiler switch to embed a runtime search path  
LD_RPATH=  
LD_RPATH_PRE= -Wl,-rpath,
```

```
## Compiler switch to embed a library name  
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))
```

```
## Shared library options  
LD_SOOPTIONS= -Wl,-Bsymbolic
```

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

```
## Compilation
```

```

rules

%. $(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

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

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

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

## Versioned libraries rules

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

## Bind internal references

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

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

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

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```


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```

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1.47 libcomps 0.1.11-4.el8

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1.49 tzdata 2020d-1.el8

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1.51 acl 2.2.53-1.el8

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Upstream source <https://invisible-island.net/ncurses/ncurses.html>
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Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

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Files: progs/tset.c ncurses/tinfo/read_termcap.c

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

Upstream source <https://invisible-island.net/ncurses/ncurses-examples.html>

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

Files: *

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Files: aclocal.m4 package

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

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-- vile:txtmode fc=72

-- \$Id: COPYING,v 1.6 2018/01/01 12:00:00 tom Exp \$

1.53 iniparse 0.4

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A. HISTORY OF THE SOFTWARE

=====

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

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

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

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Release from	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2			
2002	PSF	yes		
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes

Footnotes:

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1.54 basesystem 11-5.el8

1.54.1 Available under license :

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

```
%global distroname %(source /etc/os-release; echo ${REDHAT_SUPPORT_PRODUCT})
```

Summary: The skeleton package which defines a simple %{distroname} system

Name: basesystem

Version: 11

Release: 5%{?dist}

License: Public Domain

Group: System Environment/Base

Requires(pre): setup filesystem

BuildArch: noarch

%description

Basesystem defines the components of a basic %{distroname} system (for example, the package installation order to use during bootstrapping). Basesystem should be in every installation of a system, and it should never be removed.

%prep

%build

%install

%clean

%files

%defattr(-,root,root,-)

%changelog

* Tue May 07 2019 CentOS Sources <bugs@centos.org> - 11-5.el8.centos

- adjust description

- adjust summary

* Wed Feb 07 2018 Fedora Release Engineering <releng@fedoraproject.org> - 11-5

- Rebuilt for https://fedoraproject.org/wiki/Fedora_28_Mass_Rebuild

* Wed Jul 26 2017 Fedora Release Engineering <releng@fedoraproject.org>

- 11-4

- Rebuilt for https://fedoraproject.org/wiki/Fedora_27_Mass_Rebuild

* Fri Feb 10 2017 Fedora Release Engineering <releng@fedoraproject.org> - 11-3

- Rebuilt for https://fedoraproject.org/wiki/Fedora_26_Mass_Rebuild

* Wed Feb 03 2016 Fedora Release Engineering <releng@fedoraproject.org> - 11-2

- Rebuilt for https://fedoraproject.org/wiki/Fedora_24_Mass_Rebuild

* Thu Jul 09 2015 Ondrej Vasik <ovasik@redhat.com> 11-1

- automatically determine OS name at build time (#1195396)

* Wed Jun 17 2015 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 10.0-11

- Rebuilt for https://fedoraproject.org/wiki/Fedora_23_Mass_Rebuild

* Sat Jun 07 2014 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 10.0-10

- Rebuilt for https://fedoraproject.org/wiki/Fedora_21_Mass_Rebuild

* Sat Aug 03 2013 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 10.0-9

- Rebuilt for https://fedoraproject.org/wiki/Fedora_20_Mass_Rebuild

* Wed Feb 13 2013

Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 10.0-8

- Rebuilt for https://fedoraproject.org/wiki/Fedora_19_Mass_Rebuild

* Wed Jul 18 2012 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 10.0-7

- Rebuilt for https://fedoraproject.org/wiki/Fedora_18_Mass_Rebuild

- * Thu Jan 12 2012 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 10.0-6
- Rebuilt for https://fedoraproject.org/wiki/Fedora_17_Mass_Rebuild
- * Thu Jun 23 2011 Ondrej Vasik <ovasik@redhat.com> 10.0-5
- fix FTBFS typo (#715640), add disttag
- * Mon Feb 07 2011 Fedora Release Engineering <rel-eng@lists.fedoraproject.org>
- Rebuilt for https://fedoraproject.org/wiki/Fedora_15_Mass_Rebuild
- * Fri Jul 24 2009 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 10.0-3
- Rebuilt for https://fedoraproject.org/wiki/Fedora_12_Mass_Rebuild
- * Mon Feb 23 2009 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 10.0-2
- Rebuilt for https://fedoraproject.org/wiki/Fedora_11_Mass_Rebuild
- *
Mon Oct 20 2008 Phil Knirsch <pknirsch@redhat.com> 10.0-1
- Bump version and rebuild for Fedora 10 (#451289)
- * Fri Mar 02 2007 Phil Knirsch <pknirsch@redhat.com> - 8.1-1
- Cleanup per package review (#225608)
- * Wed Jul 12 2006 Jesse Keating <jkeating@redhat.com> - 8.0-5.1.1
- rebuild
- * Fri Dec 09 2005 Jesse Keating <jkeating@redhat.com>
- rebuilt
- * Wed Sep 22 2004 Bill Nottingham <notting@redhat.com>
- rebuilt
- * Fri Feb 13 2004 Elliot Lee <sopwith@redhat.com>
- rebuilt
- * Wed Jan 22 2003 Tim Powers <timp@redhat.com>
- rebuilt
- * Wed Aug 21 2002 Bill Nottingham <notting@redhat.com>
- bump rev
- * Fri Jun 21 2002 Tim Powers <timp@redhat.com>
- automated rebuild
- * Thu May 23 2002 Tim Powers <timp@redhat.com>
- automated rebuild
- * Wed Jan 09 2002 Tim Powers <timp@redhat.com>
- automated rebuild

- * Wed Jul 12 2000 Prospector <bugzilla@redhat.com>
- automatic rebuild
 - * Tue Jun 6 2000 Bill Nottingham <notting@redhat.com>
- rebuild. Wheee.
 - * Sun Mar 21 1999 Cristian Gafton <gafton@redhat.com>
- auto rebuild in the new build environment (release 4)
 - * Tue Mar 16 1999 Cristian Gafton <gafton@redhat.com>
- don't require rpm (breaks dependency chain)
 - * Tue Mar 16 1999 Erik Troan <ewt@redhat.com>
- require rpm
 - * Wed Dec 30 1998 Cristian Gafton <gafton@redhat.com>
- build for 6.0
 - * Tue Aug 11 1998 Jeff Johnson <jbj@redhat.com>
- build root
 - * Mon Apr 27 1998 Prospector System <bugs@redhat.com>
- translations modified for de, fr, tr
 - * Tue Sep 23 1997 Erik Troan <ewt@redhat.com>
- made a noarch package
- Found in path(s):
- * /basesystem-11-5.el8-1.src.rpm-cosi-expand-archive-kvFRR2fn/basesystem.spec

1.55 six 1.11.0

1.55.1 Available under license :

The primary author and maintainer of six is Benjamin Peterson. He would like to acknowledge the following people who submitted bug reports, pull requests, and otherwise worked to improve six:

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 Aymeric Augustin
 Ned Batchelder
 Wouter Bolsterlee
 Brett Cannon
 Jason R. Coombs
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1.56 python-dateutil 2.6.1

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1.57 psmisc 23.1-5.el8

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1.58 libusb 1.0.23-4.el8

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One line to give the program's name and a
brief idea of what it does.

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

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```
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program `Gnomovision' (which makes passes at compilers) written by
James Hacker.
```

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

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Version 3, 29 June 2007

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The

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section 10

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1.61 libusb 1.0.23-4.el8

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1.62 pcre 10.32-2.el8

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Written by: Philip Hazel

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```

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1.65 python-setuptools 39.2.0

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1.69 xkeyboard-config 2.28-1.el8

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1.70 python-setuptools 39.2.0-6.el8

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src/base/fthash.c
src/base/md5.c
src/base/md5.h
#
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src/bdf/bdf.h
src/bdf/bdfdrivr.c
src/bdf/bdfdrivr.h
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src/pcf/pcf.c
src/pcf/pcf.h
src/pcf/pcfdrivr.c
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src/gzip/infutil.h
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#
src/tools/apinames.c
src/tools/ftrandom/ftrandom.c
#
#
EOF
```

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1.74 libpsl 0.20.2-6.el8

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- * /javassist-3-25-0-ga-sources-3-jar/javassist/compiler/Lex.java
- * /javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/analysis/Executor.java
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- * /javassist-3-25-0-ga-sources-3-jar/javassist/compiler/ast/ASTree.java
- * /javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/StackMap.java

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* /javassist-3-25-0-ga-sources-3-jar/javassist/CtMember.java
* /javassist-3-25-0-ga-sources-3-jar/javassist/expr/ConstructorCall.java

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- * /javassist-3-25-0-ga-sources-3-jar/javassist/ClassPath.java

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- * /javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/EnclosingMethodAttribute.java

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* /javassist-3-25-0-ga-sources-3-jar/javassist/SerialVersionUID.java
* /javassist-3-25-0-ga-sources-3-jar/javassist/expr/FieldAccess.java
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- * /javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/annotation/CharMemberValue.java
- * /javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/annotation/BooleanMemberValue.java
- * /javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/annotation/ShortMemberValue.java
- * /javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/annotation/Annotation.java
- *
- /javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/annotation/ArrayMemberValue.java
- * /javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/annotation/DoubleMemberValue.java

1.79 jakarta-annotation-api 1.3.5

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1.80 python-dateutil 2.6.1-1.ph1

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* /jakarta-validation-api-2-0-2-sources-3-jar/META-INF/maven/jakarta.validation/jakarta.validation-api/pom.xml

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/*

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*

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* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/Validator.java

* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/CascadableDescriptor.java

* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/ConstraintTarget.java

* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/FutureOrPresent.java

* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/Null.java

* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/ConstraintValidatorContext.java

* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/ExecutableDescriptor.java

* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/groups/Default.java

* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/MessageInterpolator.java

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/jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/package-info.java

* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/valueextraction/Unwrapping.java

* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/valueextraction/ValueExtractor.java

* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraintvalidation/ValidationTarget.java

* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/MethodDescriptor.java

* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/package-info.java

* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/UnexpectedTypeException.java

* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/BeanDescriptor.java

* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/Digits.java

* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/bootstrap/ProviderSpecificBootstrap.java

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* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/NegativeOrZero.java

* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/ConstraintViolation.java

* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/ConstraintDefinitionException.java

* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/ValidateUnwrappedValue.java

* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraintvalidation/SupportedValidationTarget.java

* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/groups/package-info.java

* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/spi/ValidationProvider.java

* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/ElementKind.java

* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/GroupConversionDescriptor.java

* /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/valueextraction/ExtractedValue.java

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* /jakarta-validation-api-2-0-2-sources-3-

jar/javax/validation/valueextraction/ValueExtractorDeclarationException.java

- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/ConstructorDescriptor.java
- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraintvalidation/package-info.java
- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/AssertTrue.java
- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/Path.java
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- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/valueextraction/package-info.java
- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/PositiveOrZero.java
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- /jakarta-validation-api-2-0-2-sources-3-
- jar/javax/validation/valueextraction/ValueExtractorDefinitionException.java
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- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/ContainerElementTypeDescriptor.java
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- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/Min.java
- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/groups/ConvertGroup.java
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- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/Max.java
- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/ReportAsSingleViolation.java
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- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/Pattern.java
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- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/NotBlank.java
- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/spi/package-info.java
- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/Constraint.java
- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/Valid.java
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- /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/Configuration.java
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- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/ConstraintViolationException.java
- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/bootstrap/package-info.java
- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/TraversableResolver.java
- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/executable/ExecutableValidator.java
- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/ValidationProviderResolver.java
- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/ValidatorFactory.java
- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/ContainerDescriptor.java
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- /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/ConstraintDescriptor.java
- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/ParameterDescriptor.java
- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/NotNull.java

- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/package-info.java
- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/GroupSequence.java
- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/Negative.java
- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/ConstraintValidatorFactory.java
- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/ValidationException.java
- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/OverridesAttribute.java
- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/spi/BootstrapState.java
- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/Email.java
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- /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/ConstraintDeclarationException.java
- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/metadata/PropertyDescriptor.java
- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/ConstraintValidator.java
- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/executable/ExecutableType.java
- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/AssertFalse.java
- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/Future.java
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- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/spi/ConfigurationState.java
- * /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/Payload.java
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- /jakarta-validation-api-2-0-2-sources-3-jar/javax/validation/constraints/DecimalMin.java
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1.82 jakarta-ws-rs-api 2.1.6

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1.88 hk2-utils 2.6.1

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1.90 resourcelocator 1.0.3

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\$Id: Verifier.java,v 1.55 2007/11/10 05:28:59 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/adapters/CrimsonDOMAdapter.java

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\$Id: OracleV1DOMAdapter.java,v 1.20 2007/11/10 05:28:59 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/adapters/OracleV1DOMAdapter.java

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/*--

\$Id: IllegalAddException.java,v 1.26 2007/11/10 05:28:59 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/IllegalAddException.java

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/*--

\$Id: XPath.java,v 1.17 2007/11/10 05:29:02 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/xpath/XPath.java

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\$Id: BuilderErrorHandler.java,v 1.13 2007/11/10 05:29:00 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/input/BuilderErrorHandler.java

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/*--

\$Id: OracleV2DOMAdapter.java,v 1.19 2007/11/10 05:28:59 jhunter Exp \$

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* /jdom-1-1-sources-1-jar/org/jdom/adapters/OracleV2DOMAdapter.java
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\$Id: EscapeStrategy.java,v 1.4 2007/11/10 05:29:01 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/output/EscapeStrategy.java

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\$Id: DefaultJDOMFactory.java,v 1.7 2007/11/10 05:28:58 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/DefaultJDOMFactory.java

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\$Id: ProcessingInstruction.java,v 1.47 2007/11/10 05:28:59 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/ProcessingInstruction.java

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\$Id: Attribute.java,v 1.56 2007/11/10 05:28:58 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/Attribute.java

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\$Id: JDOMFactory.java,v 1.9 2007/11/10 05:28:59 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/JDOMFactory.java

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\$Id: JDOMResult.java,v 1.24 2007/11/10 05:29:02 jhunter Exp \$

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\$Id: Text.java,v 1.25 2007/11/10 05:28:59 jhunter Exp \$

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* /jdom-1-1-sources-1-jar/org/jdom/Text.java

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

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\$Id: Content.java,v 1.6 2007/11/10 05:28:58 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/Content.java

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\$Id: AbstractFilter.java,v 1.6 2007/11/10 05:29:00 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/filter/AbstractFilter.java

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\$Id: JAXPParserFactory.java,v 1.6 2007/11/10 05:29:00 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/input/JAXPParserFactory.java

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\$Id: ContentList.java,v 1.42 2007/11/10 05:28:58 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/ContentList.java

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\$Id: Comment.java,v 1.33 2007/11/10 05:28:58 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/Comment.java

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\$Id: XML4JDOMAdapter.java,v 1.18 2007/11/10 05:28:59 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/adapters/XML4JDOMAdapter.java

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\$Id: OrFilter.java,v 1.5 2007/11/10 05:29:00 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/filter/OrFilter.java

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\$Id: CDATA.java,v 1.32 2007/11/10 05:28:58 jhunter Exp \$

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\$Id: DOMAdapter.java,v 1.22 2007/11/10 05:28:59 jhunter Exp \$

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\$Id: XSLTransformer.java,v 1.5 2007/11/14 04:36:54 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/transform/XSLTransformer.java

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\$Id: JDOMException.java,v 1.24 2007/11/10 05:28:59 jhunter Exp \$

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* /jdom-1-1-sources-1-jar/org/jdom/JDOMException.java

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\$Id: IllegalTargetException.java,v 1.15 2007/11/10 05:28:59 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/IllegalTargetException.java

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\$Id: DocType.java,v 1.32 2007/11/10 05:28:58 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/DocType.java

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\$Id: NamespaceStack.java,v 1.14 2007/11/10 05:29:01 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/output/NamespaceStack.java

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/*--

\$Id: JDOMLocator.java,v 1.4 2007/11/10 05:29:01 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/output/JDOMLocator.java

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/*--

\$Id: NamespaceKey.java,v 1.2 2007/11/10 05:28:59 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/NamespaceKey.java

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\$Id: AndFilter.java,v 1.4 2007/11/10 05:29:00 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/filter/AndFilter.java

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\$Id: IllegalNameException.java,v 1.14 2007/11/10 05:28:59 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/IllegalNameException.java

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\$Id: Filter.java,v 1.10 2007/11/10 05:29:00 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/filter/Filter.java

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\$Id: SAXBuilder.java,v 1.92 2007/11/10 05:29:00 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/input/SAXBuilder.java

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\$Id: Parent.java,v 1.13 2007/11/10 05:28:59 jhunter Exp \$

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\$Id: JAXPDOMAdapter.java,v 1.13 2007/11/10 05:28:59 jhunter Exp \$

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* /jdom-1-1-sources-1-jar/org/jdom/adapters/JAXPDOMAdapter.java
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\$Id: JDOMParseException.java,v 1.8 2007/11/10 05:29:00 jhunter Exp \$

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\$Id: JDOMSource.java,v 1.20 2007/11/10 05:29:02 jhunter Exp \$

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\$Id: Element.java,v 1.159 2007/11/14 05:02:08 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/Element.java

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\$Id: Format.java,v 1.13 2007/11/10 05:29:01 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/output/Format.java

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\$Id: AbstractDOMAdapter.java,v 1.21 2007/11/10 05:28:59 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/adapters/AbstractDOMAdapter.java

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\$Id: SAXOutputter.java,v 1.40 2007/11/10 05:29:01 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/output/SAXOutputter.java

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\$Id: DOMOutputter.java,v 1.43 2007/11/10 05:29:01 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/output/DOMOutputter.java

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\$Id: NegateFilter.java,v 1.4 2007/11/10 05:29:00 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/filter/NegateFilter.java

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/*--

\$Id: JaxenXPath.java,v 1.20 2007/11/10 05:29:02 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/xpath/JaxenXPath.java

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\$Id: FilterIterator.java,v 1.6 2007/11/10 05:28:59 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/FilterIterator.java

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\$Id: DescendantIterator.java,v 1.6 2007/11/10 05:28:58 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/DescendantIterator.java

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\$Id: IllegalDataException.java,v 1.14 2007/11/10 05:28:59 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/IllegalDataException.java

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\$Id: DOMBuilder.java,v 1.60 2007/11/10 05:29:00 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/input/DOMBuilder.java

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\$Id: ContentFilter.java,v 1.15 2007/11/10 05:29:00 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/filter/ContentFilter.java

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\$Id: EntityRef.java,v 1.22 2007/11/10 05:28:59 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/EntityRef.java

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\$Id: SAXHandler.java,v 1.73 2007/11/10 05:29:00 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/input/SAXHandler.java

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\$Id: AttributeList.java,v 1.24 2007/11/10 05:28:58 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/AttributeList.java

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\$Id: XercesDOMAdapter.java,v 1.19 2007/11/10 05:28:59 jhunter Exp \$

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* /jdom-1-1-sources-1-jar/org/jdom/adapters/XercesDOMAdapter.java

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\$Id: UncheckedJDOMFactory.java,v 1.4 2007/11/10 05:28:59 jhunter Exp \$

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Found in path(s):

* /jdom-1-1-sources-1-jar/org/jdom/UncheckedJDOMFactory.java

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\$Id: TextBuffer.java,v 1.10 2007/11/10 05:29:00 jhunter Exp \$

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* /jdom-1-1-sources-1-jar/org/jdom/input/TextBuffer.java

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\$Id: Namespace.java,v 1.43 2007/11/10 05:28:59 jhunter Exp \$

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* /jdom-1-1-sources-1-jar/org/jdom/Namespace.java

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\$Id: Document.java,v 1.85 2007/11/10 05:28:58 jhunter Exp \$

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* /jdom-1-1-sources-1-jar/org/jdom/Document.java

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\$Id: XMLOutputter.java,v 1.116 2007/11/10 05:29:01 jhunter Exp \$

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1.93 xsom 2.3.1

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1.102 servlet 2.3.1

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```

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```
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* /groovy-servlet-2-3-1-sources-jar/groovy/servlet/AbstractHttpServlet.java
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```

1.103 policy 2.7.5

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1.104 wscompile 2.3.1

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1.106 rt 2.3.1

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1.107 rt-fi 2.3.1

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1.108 jcommon 1.0.0

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1.109 berkeley-db 4.5.20

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* The GNU Affero General Public License is designed specifically to ensure that, in such cases, the modified source code becomes available to the community. It requires the operator of a network server to provide the source code of the modified version running there to the users of that server. Therefore, public use of a modified version, on a publicly accessible server, gives the public access to the source code of the modified version.

* An older license, called the Affero General Public License and published by Affero, was designed to accomplish similar goals. This is a different license, not a version of the Affero GPL, but Affero has

* released a new version of the Affero GPL which permits relicensing under
* this license.

*

* 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 Affero 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.

- *
 - * 1. Source Code.
 - *
 - * The "source code" for a work means the preferred form of the work
 - * for making modifications to it. "Object code" means any non-source
 - * form of a work.
 - *
 - * A "Standard Interface" means an interface that either is an official
 - * standard defined by a recognized standards body, or, in the case of
 - * interfaces specified for a particular programming language, one that
 - * is widely used among developers working in that language.
 - *
 - * The "System Libraries" of an executable work include anything, other
 - * than the work as a whole, that (a) is included in
 - * the normal form of
 - * packaging a Major Component, but which is not part of that Major
 - * Component, and (b) serves only to enable use of the work with that
 - * Major Component, or to implement a Standard Interface for which an
 - * implementation is available to the public in source code form. A
 - * "Major Component", in this context, means a major essential component
 - * (kernel, window system, and so on) of the specific operating system
 - * (if any) on which the executable work runs, or a compiler used to
 - * produce the work, or an object code interpreter used to run it.
 - *
 - * The "Corresponding Source" for a work in object code form means all
 - * the source code needed to generate, install, and (for an executable
 - * work) run the object code and to modify the work, including scripts to
 - * control those activities. However, it does not include the work's
 - * System Libraries, or general-purpose tools or generally available free
 - * programs which are used unmodified in performing those activities
 - * but
 - * which are not part of the work. For example, Corresponding Source
 - * includes interface definition files associated with source files for
 - * the work, and the source code for shared libraries and dynamically
 - * linked subprograms that the work is specifically designed to require,
 - * such as by intimate data communication or control flow between those
 - * subprograms and other parts of the work.
 - *
 - * The Corresponding Source need not include anything that users
 - * can regenerate automatically from other parts of the Corresponding
 - * Source.
 - *
 - * The Corresponding Source for a work in source code form is that
 - * same work.
 - * 2. Basic Permissions.
 - *
 - * All rights granted under this License are granted for the term of

- * copyright on the Program, and are irrevocable provided the stated
- * conditions are met. This License explicitly affirms your unlimited
- * permission to run the unmodified Program. The output from running a
- * covered work is covered by this License
- only if the output, given its
- * content, constitutes a covered work. This License acknowledges your
- * rights of fair use or other equivalent, as provided by copyright law.
- *
- * You may make, run and propagate covered works that you do not
- * convey, without conditions so long as your license otherwise remains
- * in force. You may convey covered works to others for the sole purpose
- * of having them make modifications exclusively for you, or provide you
- * with facilities for running those works, provided that you comply with
- * the terms of this License in conveying all material for which you do
- * not control copyright. Those thus making or running the covered works
- * for you must do so exclusively on your behalf, under your direction
- * and control, on terms that prohibit them from making any copies of
- * your copyrighted material outside their relationship with you.
- *
- * Conveying under any other circumstances is permitted solely under
- * the conditions stated below.
- Sublicensing is not allowed; section 10
- * makes it unnecessary.
- *
- * 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.
- *
- * When you convey a covered work, you waive any legal power to forbid
- * circumvention of technological measures to the extent such circumvention
- * is effected by exercising rights under this License with respect to
- * the covered work, and you disclaim any intention to limit operation or
- * modification of the work as a means of enforcing, against the work's
- * users, your or third parties' legal rights to forbid circumvention of
- * technological measures.
- *
- * 4. Conveying Verbatim Copies.
- *
- * You may convey verbatim copies of the Program's
- source code as you
- * receive it, in any medium, provided that you conspicuously and
- * appropriately publish on each copy an appropriate copyright notice;
- * keep intact all notices stating that this License and any
- * non-permissive terms added in accord with section 7 apply to the code;

- * keep intact all notices of the absence of any warranty; and give all
- * recipients a copy of this License along with the Program.
- *
- * You may charge any price or no price for each copy that you convey,
- * and you may offer support or warranty protection for a fee.
- *
- * 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.

*

* 7. Additional Terms.

*

* "Additional permissions" are terms that supplement the terms of this
* License by making exceptions from one or more of its conditions.
* Additional permissions that are applicable to the entire Program shall
* be treated as though they were included in this License, to the extent
* that they are valid under applicable law. If additional permissions
* apply only to part of the Program, that part may be used separately
* under those permissions, but the entire Program remains governed by
* this License without regard to the additional permissions.

*

* When you convey a copy of a covered work, you may at your option
* remove any
additional permissions from that copy, or from any part of
* it. (Additional permissions may be written to require their own
* removal in certain cases when you modify the work.) You may place
* additional permissions on material, added by you to a covered work,
* for which you have or can give appropriate copyright permission.

*

* Notwithstanding any other provision of this License, for material you
* add to a covered work, you may (if authorized by the copyright holders of
* that material) supplement the terms of this License with terms:

*

* a) Disclaiming warranty or limiting liability differently from the
* terms of sections 15 and 16 of this License; or

*

* b) Requiring preservation of specified reasonable legal notices or
* author attributions in that material or in the Appropriate Legal
* Notices displayed by works containing it; or

*

* c) Prohibiting misrepresentation of the origin of that material, or
* requiring that modified
versions of such material be marked in

* reasonable ways as different from the original version; or

*

* d) Limiting the use for publicity purposes of names of licensors or
* authors of the material; or

*

* e) Declining to grant rights under trademark law for use of some
* trade names, trademarks, or service marks; or

*

* f) Requiring indemnification of licensors and authors of that

* material by anyone who conveys the material (or modified versions of
* it) with contractual assumptions of liability to the recipient, for
* any liability that these contractual assumptions directly impose on
* those licensors and authors.

*

* All other non-permissive additional terms are considered "further
* restrictions" within the meaning of section 10. If the Program as you
* received it, or any part of it, contains a notice stating that it is
* governed by this License along with a term that is a further
* restriction, you may remove
that term. If a license document contains
* a further restriction but permits relicensing or conveying under this
* License, you may add to a covered work material governed by the terms
* of that license document, provided that the further restriction does
* not survive such relicensing or conveying.

*

* If you add terms to a covered work in accord with this section, you
* must place, in the relevant source files, a statement of the
* additional terms that apply to those files, or a notice indicating
* where to find the applicable terms.

*

* Additional terms, permissive or non-permissive, may be stated in the
* form of a separately written license, or stated as exceptions;
* the above requirements apply either way.

*

* 8. Termination.

*

* You may not propagate or modify a covered work except as expressly
* provided under this License. Any attempt otherwise to propagate or
* modify it is void, and will automatically terminate your rights under
* this

License (including any patent licenses granted under the third
* paragraph of section 11).

*

* However, if you cease all violation of this License, then your
* license from a particular copyright holder is reinstated (a)
* provisionally, unless and until the copyright holder explicitly and
* finally terminates your license, and (b) permanently, if the copyright
* holder fails to notify you of the violation by some reasonable means
* prior to 60 days after the cessation.

*

* Moreover, your license from a particular copyright holder is
* reinstated permanently if the copyright holder notifies you of the
* violation by some reasonable means, this is the first time you have
* received notice of violation of this License (for any work) from that
* copyright holder, and you cure the violation prior to 30 days after
* your receipt of the notice.

*

* Termination of your rights under this section does not terminate the
* licenses of parties who have received copies or
rights from you under
* this License. If your rights have been terminated and not permanently
* reinstated, you do not qualify to receive new licenses for the same
* material under section 10.

*

* 9. Acceptance Not Required for Having Copies.

*

* You are not required to accept this License in order to receive or
* run a copy of the Program. Ancillary propagation of a covered work
* occurring solely as a consequence of using peer-to-peer transmission
* to receive a copy likewise does not require acceptance. However,
* nothing other than this License grants you permission to propagate or
* modify any covered work. These actions infringe copyright if you do
* not accept this License. Therefore, by modifying or propagating a
* covered work, you indicate your acceptance of this License to do so.

*

* 10. Automatic Licensing of Downstream Recipients.

*

* Each time you convey a covered work, the recipient automatically
* receives a license from the original
licensors, to run, modify and
* propagate that work, subject to this License. You are not responsible
* for enforcing compliance by third parties with this License.

*

* An "entity transaction" is a transaction transferring control of an
* organization, or substantially all assets of one, or subdividing an
* organization, or merging organizations. If propagation of a covered
* work results from an entity transaction, each party to that
* transaction who receives a copy of the work also receives whatever
* licenses to the work the party's predecessor in interest had or could
* give under the previous paragraph, plus a right to possession of the
* Corresponding Source of the work from the predecessor in interest, if
* the predecessor has it or can get it with reasonable efforts.

*

* You may not impose any further restrictions on the exercise of the
* rights granted or affirmed under this License. For example, you may
* not impose a license fee, royalty, or other
charge for exercise of
* rights granted under this License, and you may not initiate litigation
* (including a cross-claim or counterclaim in a lawsuit) alleging that
* any patent claim is infringed by making, using, selling, offering for
* sale, or importing the Program or any portion of it.

*

* 11. Patents.

*

* A "contributor" is a copyright holder who authorizes use under this

* License of the Program or a work on which the Program is based. The

* work thus licensed is called the contributor's "contributor version".

*

* A contributor's "essential patent claims" are all patent claims

* owned or controlled by the contributor, whether already acquired or

* hereafter acquired, that would be infringed by some manner, permitted

* by this License, of making, using, or selling its contributor version,

* but do not include claims that would be infringed only as a

* consequence of further modification of the contributor version. For

* purposes of this definition,

"control" includes the right to grant

* patent sublicenses in a manner consistent with the requirements of

* this License.

*

* Each contributor grants you a non-exclusive, worldwide, royalty-free

* patent license under the contributor's essential patent claims, to

* make, use, sell, offer for sale, import and otherwise run, modify and

* propagate the contents of its contributor version.

*

* In the following three paragraphs, a "patent license" is any express

* agreement or commitment, however denominated, not to enforce a patent

* (such as an express permission to practice a patent or covenant not to

* sue for patent infringement). To "grant" such a patent license to a

* party means to make such an agreement or commitment not to enforce a

* patent against the party.

*

* If you convey a covered work, knowingly relying on a patent license,

* and the Corresponding Source of the work is not available for anyone

* to copy, free of charge and under the terms of this

License, through a

* publicly available network server or other readily accessible means,

* then you must either (1) cause the Corresponding Source to be so

* available, or (2) arrange to deprive yourself of the benefit of the

* patent license for this particular work, or (3) arrange, in a manner

* consistent with the requirements of this License, to extend the patent

* license to downstream recipients. "Knowingly relying" means you have

* actual knowledge that, but for the patent license, your conveying the

* covered work in a country, or your recipient's use of the covered work

* in a country, would infringe one or more identifiable patents in that

* country that you have reason to believe are valid.

*

* If, pursuant to or in connection with a single transaction or

* arrangement, you convey, or propagate by procuring conveyance of, a

* covered work, and grant a patent license to some of the parties

* receiving the covered work authorizing them to use, propagate,

modify

* or convey a specific copy of the covered work, then the patent license

* you grant is automatically extended to all recipients of the covered

- * work and works based on it.
- *
- * A patent license is "discriminatory" if it does not include within
- * the scope of its coverage, prohibits the exercise of, or is
- * conditioned on the non-exercise of one or more of the rights that are
- * specifically granted under this License. You may not convey a covered
- * work if you are a party to an arrangement with a third party that is
- * in the business of distributing software, under which you make payment
- * to the third party based on the extent of your activity of conveying
- * the work, and under which the third party grants, to any of the
- * parties who would receive the covered work from you, a discriminatory
- * patent license (a) in connection with copies of the covered work
- * conveyed by you (or copies made from those copies), or (b) primarily
- * for and in connection with
- specific products or compilations that
- * contain the covered work, unless you entered into that arrangement,
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- *
- * Nothing in this License shall be construed as excluding or limiting
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- * otherwise be available to you under applicable patent law.
- *
- * 12. No Surrender of Others' Freedom.
- *
- * If conditions are imposed on you (whether by court order, agreement or
- * otherwise) that contradict the conditions of this License, they do not
- * excuse you from the conditions of this License. If you cannot convey a
- * covered work so as to satisfy simultaneously your obligations under this
- * License and any other pertinent obligations, then as a consequence you may
- * not convey it at all. For example, if you agree to terms that obligate you
- * to collect a royalty for further conveying from those to whom you convey
- * the Program, the only way you could
- satisfy both those terms and this
- * License would be to refrain entirely from conveying the Program.
- *
- * 13. Remote Network Interaction; Use with the GNU General Public License.
- *
- * Notwithstanding any other provision of this License, if you modify the
- * Program, your modified version must prominently offer all users
- * interacting with it remotely through a computer network (if your version
- * supports such interaction) an opportunity to receive the Corresponding
- * Source of your version by providing access to the Corresponding Source
- * from a network server at no charge, through some standard or customary
- * means of facilitating copying of software. This Corresponding Source
- * shall include the Corresponding Source for any work covered by version 3
- * of the GNU General Public License that is incorporated pursuant to the
- * following paragraph.
- *

- * Notwithstanding any other provision of this License, you have
- * permission to link or combine any covered work with
- * a work licensed
- * under version 3 of the GNU General Public License into a single
- * combined work, and to convey the resulting work. The terms of this
- * License will continue to apply to the part which is the covered work,
- * but the work with which it is combined will remain governed by version
- * 3 of the GNU General Public License.
- *
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- *
- * The Free Software Foundation may publish revised and/or new versions of
- * the GNU Affero General Public License from time to time. Such new versions
- * will be similar in spirit to the present version, but may differ in detail to
- * address new problems or concerns.
- *
- * Each version is given a distinguishing version number. If the
- * Program specifies that a certain numbered version of the GNU Affero General
- * Public License "or any later version" applies to it, you have the
- * option of following the terms and conditions either of that numbered
- * version or of any later version published
- * by the Free Software
- * Foundation. If the Program does not specify a version number of the
- * GNU Affero General Public License, you may choose any version ever published
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- * If the Program specifies that a proxy can decide which future
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- * public statement of acceptance of a version permanently authorizes you
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- * permissions. However, no additional obligations are imposed on any
- * author or copyright holder as a result of your choosing to follow a
- * later version.
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- *
- * THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY
- * APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT
- * HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY
- * OF ANY KIND, EITHER EXPRESSED
- * OR IMPLIED, INCLUDING, BUT NOT LIMITED TO,
- * THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
- * PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM
- * IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF
- * ALL NECESSARY SERVICING, REPAIR OR CORRECTION.
- *

* 16. Limitation of Liability.

*

* IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING
* WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS
* THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY
* GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE
* USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF
* DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD
* PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS),
* EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGES.

*

* 17. Interpretation of Sections 15 and 16.

*

* If the disclaimer of warranty and limitation of liability provided
* above cannot be given local legal effect according to their terms,
* reviewing courts shall apply local law that most closely approximates
* an absolute waiver of all civil liability in connection with the
* Program, unless a warranty or assumption of liability accompanies a
* copy of the Program in return for a fee.

*

* END OF TERMS AND CONDITIONS

*

* How to Apply These Terms to Your New Programs

*

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

*

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

*

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@c ispell-local-pdict: "ispell-dict"
@c End:
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1.117 ethtool 0.14

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1.127 gridx 1.3.2

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1.129 popt 1.18-1.el8

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1.130 trousers 0.3.15-1.el8

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1.131 ima-evm-utils 1.3.2-12.el8

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1.133 libpcap 1.9.1-5.el8

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1.134 librhsm 0.0.3-4.el8

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1.135 brotli 1.0.6-3.el8

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1.136 avahi 0.7-20.el8

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Version 2.1, February 1999

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1.138 python3-decorator 4.2.1-2.el8

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1.139 python3-dmidecode 3.12.2-15.el8

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1.140 python3-idna 2.5-5.el8

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1.142 python3-iniparse 0.4-31.el8

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

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

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

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Release from	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2			
2002	PSF	yes		
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
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1.143 python-dateutil 2.6.1-6.el8

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1.145 activation-api 1.2.0

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```
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```

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```
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program `Gnomovision' (which makes passes at compilers) written by
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```

```
signature of Ty Coon, 1 April 1989
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1.153 eclipse-persistence-core 2.7.8

1.153.1 Available under license :

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 */
```

Found in path(s):

```
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/databaseaccess/DatasourcePlatform.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/queries/ReportQueryResult.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/databaseaccess/DatabaseCall.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/queries/StoredProcedureCall.java
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```

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 * http://www.eclipse.org/org/documents/edl-v10.php.
 *
 * SPDX-License-Identifier: EPL-2.0 OR BSD-3-Clause
 */
```

Found in path(s):

```
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/factories/model/transport/JMSTopicTransportManagerConfig.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/descriptors/ChangedFieldsLockingPolicy.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/WhenThenNode.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/exceptions/i18n/CommunicationExceptionResource.java
*
/org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/XMLChoiceCollectionMappingUnmarshalNodeValue.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/DotNode.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/config/SessionCustomizer.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/schema/model/Schema.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/tools/schemaframework/VarrayDefinition.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/exceptions/IntegrityException.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/MapKeyConvert.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/GroupByNode.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/record/deferred/ProcessingInstructionEvent.java
*
/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/OrderCorrectionType.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/exceptions/XMLParseException.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/expressions/SQLUpdateAllStatementForOracleAnonymousBlock.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/identitymaps/WeakIdentityMap.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/sessions/changesets/EISCollectionChangeRecord.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/queries/DoesExistQuery.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/platform/xml/jaxp/JAXPParser.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/services/glassfish/GlassfishRuntimeServices.java
*
/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/QNameInheritancePolicy.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/indirection/NoIndirectionPolicy.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/FromNode.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/XMLFragmentCollectionMappingNodeValue.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/XMLObjectReferenceMappingNodeValue.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/oxm/mappings/nullpolicy/XMLNullRepresentationType.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/InstantiationCopyPolicy.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/sessions/remote/corba/sun/TransporterHelper.java
```



```

* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/oxm/mappings/XMLBinaryDataMapping.java
*
/org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/factories/model/transport/TransportManagerConfig.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/dynamic/DynamicTypeImpl.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/AggregateCollectionChangeRecord.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/oxm/mappings/converters/XMLConverterAdapter.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/dynamic/DynamicType.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/descriptors/changetracking/AggregateAttributeChangeListener.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/helper/InvalidObject.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/platform/xml/XMLTransformer.java
*
/org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/oxm/mappings/XMLCompositeObjectMapping.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/TimeOfDay.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/services/RuntimeServices.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/schema/model/Include.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/security/JCEEncryptor.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/remote/RemoteCommand.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/XMLAnyAttributeMappingNodeValue.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/factories/model/transport/RMIIOPTransportManagerConfig.java
*
/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/sessions/serializers/Serializer.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/descriptors/ReturningPolicy.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/sessions/changesets/DirectToFieldChangeRecord.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/queries/DirectReadQuery.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/sessions/coordination/corba/CORBATransportManager.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/XMLVariableXPathCollectionMappingNodeValue.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/LikeNode.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/sessions/server/ConnectionPool.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/transaction/SynchronizationListenerFactory.java
*
/org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/record/SAXUnmarshallerHandler.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/DateFunctionNode.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/StringLiteralNode.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/UpdateNode.java

```

* /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/internal/oxm/schema/model/AnyAttribute.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/internal/sessions/factories/model/login/DescriptorLevelDocumentPreservationPolicyConfig.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/internal/oxm/record/deferred/EndEntityEvent.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/internal/sessions/factories/model/login/NodeOrderingPolicyConfig.java
 *
 /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/tools/schemaframework/TableSequenceDefinition.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/exceptions/PersistenceUnitLoadingException.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/oxm/mappings/converters/XMLConverter.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/mappings/nullpolicy/NullPolicy.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/config/HintValues.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/internal/identitymaps/AbstractIdentityMap.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/internal/sessions/factories/OXMObjectPersistenceRuntimeXMLProject.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/internal/oxm/record/XMLFragmentReader.java
 *
 /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/indirection/ValueHolder.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/internal/sessions/DistributedSessionIdentityMapAccessor.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/internal/oxm/XMLRelationshipMappingNodeValue.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/platform/xml/XMLSchemaReference.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/exceptions/XMLConversionException.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/eis/EISObjectPersistenceXMLProject.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/XMLValidator.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/internal/expressions/CollectionExpression.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/internal/oxm/XMLVariableXPathObjectMappingNodeValue.java
 *
 /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/platform/database/oracle/plsql/OraclePLSQLTypes.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/AnyNode.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/internal/localization/ExceptionLocalization.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/sessions/Session.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/internal/databaseaccess/DynamicSQLBatchWritingMechanism.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/exceptions/QueryException.java

* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/XMLSetting.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/record/namespaces/UnmarshalNamespaceContext.java
 *
 /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/sessions/factories/model/platform/GlassfishPlatformConfig.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/sessions/factories/model/sequencing/NativeSequenceConfig.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/queries/MappedKeyMapContainerPolicy.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/queries/CursorPolicy.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/sessions/RepeatableWriteUnitOfWork.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/expressions/ListExpressionOperator.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/MapKeyNode.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/FloatLiteralNode.java
 *
 /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/expressions/spatial/SpatialParameters.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/XMLDirectMappingNodeValue.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/queries/ScrollableCursorPolicy.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/LowerNode.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/platform/server/jboss/JBossPlatform.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/XMLCollectionReferenceMappingMarshalNodeValue.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/services/jboss/MBeanJBossRuntimeServicesMBean.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/sequencing/SessionBrokerSequencing.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/schema/model/Union.java
 *
 /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/eis/EISLogin.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/record/XMLTransformationRecord.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/ConcatNode.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/XMLUnmarshaller.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/expressions/ConstantExpression.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/sessions/DirectCollectionChangeRecord.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/exceptions/i18n/ServerPlatformExceptionResource.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/sequencing/SequencingServer.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/schema/model/NestedParticle.java
 *
 /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/sessions/Connector.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/sessions/DatabaseRecord.java

* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/codegen/AttributeDefinition.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/internal/helper/NonSynchronizedSubVector.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/ParameterNode.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/platform/server/wls/WebLogicPlatform.java
 * /org-eclipse-persistence-core-2-7-8-sources-
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 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/exceptions/EclipseLinkException.java
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 * /org-eclipse-persistence-core-2-7-8-sources-
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 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/CoalesceNode.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/eis/EISConnectionSpec.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/queries/InMemoryQueryIndirectionPolicy.java
 * /org-eclipse-persistence-core-2-7-8-sources-
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 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/internal/oxm/schema/model/Restriction.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/record/OutputStreamRecord.java
 * /org-eclipse-persistence-core-2-7-8-sources-
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 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/internal/sessions/remote/RemoteUnitOfWork.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/internal/sessions/factories/XMLSessionConfigProject.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/oxm/mappings/nullpolicy/AbstractNullPolicy.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/internal/oxm/schema/model/TypeDefParticle.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/oxm/mappings/XMLAnyCollectionMapping.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/internal/oxm/record/UnmappedContentHandlerWrapper.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/services/weblogic/MBeanWebLogicRuntimeServices.java
 *
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 jar/org/eclipse/persistence/internal/queries/CollectionContainerPolicy.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/descriptors/PessimisticLockingPolicy.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/schema/model/Occurs.java
 * /org-eclipse-persistence-core-2-7-8-sources-

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jar/org/eclipse/persistence/sessions/remote/corba/sun/CORBARemoteSessionControllerHelper.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/sessions/broker/SessionBroker.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/mappings/structures/ObjectArrayMapping.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/dynamic/DynamicClassWriter.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/schema/model/Annotation.java
*
/org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/factories/model/log/JavaLogConfig.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/services/websphere/ClassSummaryDetail.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/mappings/querykeys/DirectCollectionQueryKey.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/services/ClassSummaryDetailBase.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/annotations/NamedStoredProcedureQuery.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/SomeNode.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/mappings/BidirectionalPolicy.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/schema/SchemaModelGenerator.java
*
/org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/XMLChoiceObjectMappingNodeValue.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/platform/database/XMLTypePlaceholder.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/localization/i18n/EclipseLinkLocalizationResource.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/platform/server/wls/WebLogic_9_Platform.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/BasicCollection.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/factories/model/log/ServerLogConfig.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/CopyPolicy.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/exceptions/i18n/DBWSEExceptionResource.java
*
/org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/factories/model/rcm/RemoteCommandManagerConfig.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/config/LoggerType.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/NotNode.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/sessions/remote/corba/sun/_CORBARemoteSessionControllerStub.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/CommitOrderDependencyNode.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/helper/DeferredLockManager.java

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* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/oxm/mappings/nullpolicy/IsSetNullPolicy.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/services/weblogic/WebLogicRuntimeServices.java
*
/org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/descriptors/PersistenceObjectAttributeAccessor.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/sessions/coordination/MetadataRefreshListener.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/OrNode.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/EscapeNode.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/expressions/ForUpdateOfClause.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/tools/schemaframework/FieldDefinition.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/platform/server/NoServerPlatform.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/factories/model/platform/WebLogic_8_1_PlatformConfig.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/exceptions/DynamicException.java
*
/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/SubstringNode.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/indirection/ProxyIndirectionHandler.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/platform/database/TimesTen7Platform.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/security/PrivilegedSetValueInField.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/descriptors/VersionLockingPolicy.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/oxm/schema/XMLSchemaFileReference.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/sessions/factories/DescriptorCustomizer.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/platform/xml/XMLParser.java
*
/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/descriptors/DescriptorEventAdapter.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/eis/mappings/EISCompositeObjectMapping.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/mappings/foundation/AbstractCompositeObjectMapping.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/exceptions/DescriptorException.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/XMLDescriptor.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/sessions/remote/corba/sun/CORBARemoteSessionControllerHolder.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/helper/ClassConstants.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/sessions/coordination/DiscoveryManager.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/platform/server/was/WebSphere_6_1_Platform.java
*

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/org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/record/DomToXMLEventWriter.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/record/deferred/StartCDATAEvent.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/platform/database/oracle/plsql/PLSQLCollection.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/PlusNode.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/annotations/NamedStoredProcedureQueries.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/mappings/DirectMapMapping.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/sessions/SessionEventAdapter.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/factories/DirectToXMLTypeMappingHelper.java
*
/org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/mappings/converters/EnumTypeConverter.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/Cache.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/remote/ObjectDescriptor.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/expressions/ParameterExpression.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/security/PrivilegedGetConstructorFor.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/schema/model/SimpleContent.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/descriptors/OptimisticLockingPolicy.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sequencing/SequencingCallback.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/descriptors/changetracking/AttributeChangeListener.java
*
/org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/exceptions/i18n/JPQLExceptionResource.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/WriteTransformers.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/descriptors/InstanceVariableAttributeAccessor.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/config/ResultSetConcurrency.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/record/deferred/StartElementEvent.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/factories/model/platform/ServerPlatformConfig.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/indirection/DatabaseValueHolder.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/mappings/transformers/FieldTransformerAdapter.java
*

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/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/ExistsNode.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/schema/model/All.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/LiteralNode.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/GenerationContext.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/sessions/remote/corba/sun/CORBARemoteSessionControllerOperations.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/jpa/parsing/NullComparisonNode.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/TreeObjectBuilder.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/oxm/unmapped/DefaultUnmappedContentHandler.java
*
/org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/sessions/coordination/CommandManager.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/sessions/SessionEventListener.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/descriptors/RelationalDescriptor.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/indirection/BasicIndirectionPolicy.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/platform/database/jdbc/JDBCType.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/NullCapableValue.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/helper/linkedList/LinkedNode.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/XMLUnionField.java
*
/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/eis/EISMappedRecord.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/mappings/structures/ArrayMapping.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/sessions/remote/Transporter.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/schema/SchemaModelGeneratorProperties.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/NotEqualsNode.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/platform/database/oracle/plsql/PLSQLStoredFunctionCall.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/NamespaceResolver.java
* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/descriptors/TypeMapping.java
*
/org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/services/weblogic/ClassSummaryDetail.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/queries/Cursor.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/indirection/ProxyIndirectionPolicy.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/history/DecoratedDatabaseTable.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/queries/CallQueryMechanism.java

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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/record/WriterRecord.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/queries/QueryRedirectorHelper.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/ReturnInsert.java
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 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/record/deferred/EndElementEvent.java
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 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/eis/mappings/EISOneToOneMapping.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/descriptors/DescriptorEvent.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/platform/server/was/WebSpherePlatform.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/sessions/factories/XMLProjectReader.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/sessions/coordination/corba/sun/SunCORBAConnectionOperations.java
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 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/sessions/factories/model/transport/naming/RMIRegistryNamingServiceConfig.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/descriptors/changetracking/DeferredChangeDetectionPolicy.java
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 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/StrBuffer.java
 *
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 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/services/glassfish/MBeanGlassfishRuntimeServices.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/schema/model/Restrictable.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/NodeFactoryImpl.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/Properties.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/XMLCollectionReferenceMappingNodeValue.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/descriptors/changetracking/AggregateObjectChangeListener.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/LongLiteralNode.java
 *
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 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/UpperNode.java

* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/annotations/XmlVariableNode.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/sessions/remote/corba/sun/TransporterHolder.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/record/SequencedMarshalContext.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/mappings/XMLChoiceCollectionMapping.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/security/Securable.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/platform/database/FirebirdPlatform.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/expressions/ExpressionJavaPrinter.java
 *
 /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/tools/schemaframework/DatabaseObjectDefinition.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/indirection/UnitOfWorkTransformerValueHolder.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/IdValidation.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/indirection/WeavedAttributeViewHolderInterface.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/mappings/querykeys/ManyToManyQueryKey.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/sessions/IdentityMapAccessor.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/MappingNodeValue.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/DeleteNode.java
 *
 /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/schema/model/Extension.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/sessions/factories/model/login/StructConverterConfig.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/mappings/XMLFragmentCollectionMapping.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/mappings/UnidirectionalOneToManyMapping.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/tools/schemaframework/ViewDefinition.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/mappings/converters/XMLListConverter.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/expressions/ForUpdateClause.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/config/CacheCoordinationProtocol.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/StringFunctionNode.java
 *
 /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/ChoiceUnmarshalContext.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/queries/QueryByExamplePolicy.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/transaction/sunas/SunAS9TransactionController.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/ChangeTrackingType.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/sessions/factories/model/platform/WebSphere_4_0_PlatformConfig.java

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* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/mappings/structures/ArrayCollectionMappingHelper.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/queries/DataModifyQuery.java
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/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/NamespacePrefixMapper.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/XMLCompositeDirectCollectionMappingNodeValue.java
* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/platform/database/converters/StructConverter.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/descriptors/PersistenceObject.java
* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/SqrtNode.java
* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/MajorNode.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/CommitOrderCalculator.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/sequencing/QuerySequence.java
* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/factories/model/project/ProjectClassConfig.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/platform/database/oracle/plsql/PLSQLRecord.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/remote/RemoteSessionController.java
*
/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/record/MarshalRecord.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/record/DOMRecord.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/mappings/FixedMimeTypePolicy.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/factories/NodeListElementEnumerator.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/sessions/coordination/MergeChangeSetCommand.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/tools/schemaframework/TypeDefinition.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/indirection/TransparentIndirectionPolicy.java

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* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/weaving/PersistenceWeavedChangeTracking.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/StoredProcedureParameter.java
* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/schema/model/Group.java
* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/mappings/querykeys/QueryKey.java
* /org-eclipse-persistence-core-2-7-8-sources-
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/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/SelectNode.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/sessions/SessionEvent.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/sequenced/SequencedObject.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/eis/EISOrderedCollectionChangeRecord.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/WhereNode.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/ExclusiveIsolatedClientSession.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/logging/LogFormatter.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/indirection/IndirectList.java
*
/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/mappings/XMLMapping.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/expressions/SubSelectExpression.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/schema/model/AttributeGroup.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/oxm/attachment/XMLAttachmentMarshaller.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/coordination/RemoteConnection.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/accessor/OrmAttributeAccessor.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/sessions/changesets/CollectionChangeRecord.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/expressions/SQLUpdateStatement.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/expressions/ExpressionBuilder.java
*
/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/mappings/AttributeAccessor.java
* /org-eclipse-persistence-core-2-7-8-sources-

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jar/org/eclipse/persistence/services/weblogic/MBeanWebLogicRuntimeServicesMBean.java
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/mappings/TransformationMapping.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/config/FlushClearCache.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/mappings/RelationalMapping.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/ExistenceChecking.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/oxm/annotations/XmlNameTransformer.java
* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/mappings/VariableOneToOneMapping.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/record/SequencedUnmarshalContext.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/security/PrivilegedNewInstanceFromClass.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/documentpreservation/DescriptorLevelDocumentPreservationPolicy.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/jpa/parsing/FunctionalExpressionNode.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/XMLMarshaller.java
* /org-eclipse-persistence-core-2-7-8-sources-
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    /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/expressions/CompoundExpression.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/sessions/serializers/JSONSerializer.java
* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/XMLChoiceFieldToClassAssociation.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/oxm/mappings/XMLChoiceObjectMapping.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/sessions/server/Server.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/record/XMLReader.java
*
    /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/mappings/transformers/AttributeTransformerAdapter.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/AbsNode.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/mappings/foundation/MapKeyMapping.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/sessions/AbstractRecord.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/queries/EntityResult.java

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* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/record/deferred/StartDocumentEvent.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/remote/SequencingFunctionCall.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/oxm/record/FormattedOutputStreamRecord.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/descriptors/DescriptorEventListener.java
*
/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/queries/ComplexQueryResult.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/sessions/SessionEventManager.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/GreaterThanNode.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/XPathEngine.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/factories/model/transport/UserDefinedTransportManagerConfig.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/descriptors/DescriptorIterator.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/config/SystemProperties.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/ConversionValue.java
*
/org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/sessions/coordination/CommandProcessor.java
* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/factories/model/log/LogConfig.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/UnmarshalXPathEngine.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/record/ObjectUnmarshalContext.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/expressions/SpatialExpressionOperators.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/SumNode.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/mappings/Association.java
*
/org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/oxm/documentpreservation/AppendNewElementsOrderingPolicy.java
* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/platform/database/oracle/plsql/PLSQLArgument.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/platform/XMLPlatform.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/coordination/ConnectToHostCommand.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/schema/SchemaModelProject.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/XMLConversionPair.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/sessions/ChangeRecord.java
*

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/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/record/ContentHandlerRecord.java
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 * /org-eclipse-persistence-core-2-7-8-sources-
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 jar/org/eclipse/persistence/internal/sessions/factories/model/login/IgnoreNewElementsOrderingPolicyConfig.java
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 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/schema/model/Sequence.java
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 * /org-eclipse-persistence-core-2-7-8-sources-
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 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/Transformation.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/queries/ListContainerPolicy.java
 * /org-eclipse-persistence-core-2-7-8-sources-
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 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/platform/SAXPlatform.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/mappings/ManyToManyMapping.java
 * /org-eclipse-persistence-core-2-7-8-sources-
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 * /org-eclipse-persistence-core-2-7-8-sources-
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 * /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/mappings/XMLDirectMapping.java
* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-
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*
/org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/transaction/JTATransactionController.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/eis/EISDescriptor.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/services/glassfish/ClassSummaryDetail.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/record/deferred/CompositeObjectMappingContentHandler.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/config/BatchWriting.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/sequencing/SequencingControl.java
* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/record/MarshalContext.java
*
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* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/Node.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/factories/model/transport/naming/JNDINamingServiceConfig.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/platform/server/JMXEnabledPlatform.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/XMLField.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/history/HistoricalDatabaseTable.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/helper/MappingCompare.java
*
/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/sessions/IsolatedClientSession.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/MaxNode.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/record/deferred/EndDocumentEvent.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/databaseaccess/SimpleAppendCallCustomParameter.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/eis/EISException.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/queries/ObjectLevelModifyQuery.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/ReferenceResolver.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/exceptions/EntityManagerSetupException.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/mappings/converters/TypeConversionConverter.java

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*
/org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/mappings/xdm/DirectToXMLTypeMapping.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/record/deferred/EndDTDEvent.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/security/PrivilegedGetDeclaredFields.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/jpa/parsing/TemporalLiteralNode.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/factories/PersistenceEntityResolver.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/expressions/LogicalExpression.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/NullIfNode.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/queries/ObjectBuildingQuery.java
*
/org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/factories/PLSQLRecordWrapper.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/JoinFetch.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/record/deferred/StartDTDEvent.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/security/PrivilegedGetContextClassLoader.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/platform/xml/XMLPlatform.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/LessThanNode.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/sessions/remote/corba/sun/TransporterDefaultFactory.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/indirection/ContainerIndirectionPolicy.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/expressions/spatial/SpatialExpressionFactory.java
*
/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/sessions/SessionProfilerAdapter.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/databaseaccess/BatchWritingMechanism.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/localization/ToStringLocalization.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/VariableOneToOne.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/jpa/parsing/BooleanLiteralNode.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/LocateNode.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/sessions/changesets/ObjectReferenceChangeRecord.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/record/XMLEventReaderInputSource.java
*
/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/helper/IndexedObject.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/Reference.java

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* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/platform/server/sunas/SunAS9ServerPlatform.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/oxm/annotations/XmlDiscriminatorValue.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/MinNode.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/sessions/changesets/AggregateChangeRecord.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/jpa/parsing/IntegerLiteralNode.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/DirectMapChangeRecord.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/sessions/interceptors/CacheInterceptor.java
*
/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/JPQLParseTree.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/schema/model/Content.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/databaseaccess/ParameterizedSQLBatchWritingMechanism.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/helper/LOBValueWriter.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/descriptors/FieldsLockingPolicy.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/sessions/DatasourceLogin.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/XMLBinaryDataCollectionMappingNodeValue.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/queries/ReadObjectQuery.java
*
/org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/queries/JPQLCallQueryMechanism.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/sessions/UnitOfWork.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/helper/ConcurrencyManager.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/XMLConstants.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/descriptors/invalidation/TimeToLiveCacheInvalidationPolicy.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/MemberOfNode.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/record/NodeRecord.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/exceptions/ConcurrencyException.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/factories/PLSQLCollectionWrapper.java
*
/org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/expressions/ExpressionNormalizer.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/jpa/parsing/SelectGenerationContext.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/sessions/ArrayRecord.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/jpa/parsing/jpql/InvalidIdentifierException.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/UnitOfWorkChangeSet.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/AllNode.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/helper/DatabaseField.java

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* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/factories/model/login/RelativePositionOrderingPolicyConfig.java
*
/org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/mappings/foundation/AbstractColumnMapping.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/helper/NonSynchronizedVector.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/sessions/factories/SessionManager.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/sessions/IdentityMapAccessor.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/factories/model/login/DatabaseLoginConfig.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/security/PrivilegedGetDeclaredMethod.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/factories/model/platform/SunAS9PlatformConfig.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/descriptors/DescriptorEventManager.java
*
/org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/mappings/transformers/FieldTransformer.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/oxm/unmapped/UnmappedContentHandler.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/mappings/XMLNillableMapping.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/queries/DatabaseQueryMechanism.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/logging/SessionLogEntry.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/platform/database/jdbc/JDBCTypes.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/weaving/PersistenceWeaved.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/databaseaccess/FieldTypeDefinition.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/record/XMLEventWriterRecord.java
*
/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/exceptions/i18n/EIExceptionResource.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/documentpreservation/NoDocumentPreservationPolicy.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/services/websphere/WebSphereRuntimeServices.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/TypeHelperImpl.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/coordination/corba/sun/CommandDataHolder.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/descriptors/InterfacePolicy.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/EqualsNode.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/queries/ANTLRQueryBuilder.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/jpa/parsing/jpql/InvalidIdentifierStartException.java
*
/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/eis/interactions/QueryStringInteraction.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/helper/SimpleDatabaseType.java
* /org-eclipse-persistence-core-2-7-8-sources-

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jar/org/eclipse/persistence/oxm/mappings/converters/XMLRootConverter.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/internal/queries/QueryByExampleMechanism.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/platform/server/ServerPlatform.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/indirection/IndirectSet.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/internal/sessions/factories/XMLSessionConfigWriter.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/history/HistoricalSession.java
 *
 /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/mappings/structures/StructureMapping.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/MultiplyNode.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/descriptors/changetracking/MapChangeEvent.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/mappings/transformers/AttributeTransformer.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/indirection/IndirectContainer.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/internal/sessions/factories/MissingDescriptorListener.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/XMLNameTransformer.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/internal/jpa/parsing/LessThanEqualToNode.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/internal/security/PrivilegedGetSystemProperty.java
 *
 /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/internal/sessions/coordination/jms/JMSTopicRemoteConnection.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/internal/identitymaps/SoftCacheWeakIdentityMap.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/queries/JPQLCall.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/internal/sessions/factories/model/session/SessionConfig.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/queries/ScrollableCursor.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/internal/oxm/record/deferred/DescriptorNotFoundContentHandler.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/eis/mappings/EISDirectMapping.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/internal/oxm/record/deferred/EndCDATAEvent.java
 *
 /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/exceptions/i18n/SessionLoaderExceptionResource.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/sessions/changesets/ObjectChangeSet.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/platform/server/glassfish/GlassfishPlatform.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/internal/oxm/record/deferred/CharactersEvent.java
 * /org-eclipse-persistence-core-2-7-8-sources-
 jar/org/eclipse/persistence/internal/sessions/coordination/corba/sun/SunCORBAConnectionHolder.java
 * /org-eclipse-persistence-core-2-7-8-sources-

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jar/org/eclipse/persistence/internal/sessions/factories/model/login/AppendNewElementsOrderingPolicyConfig.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/ByteArraySource.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/XPathQName.java
*
/org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sequencing/ServerSessionConnectionHandler.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/codegen/CodeDefinition.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/queries/QueryResultsCachePolicy.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/factories/model/project/ProjectConfig.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/jpa/parsing/DoubleLiteralNode.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/XMLLogin.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/OrderByNode.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/sequencing/SequencingHome.java
*
/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/platform/database/HSQLPlatform.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/BasicMap.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/coordination/corba/sun/_SunCORBAConnectionStub.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/queries/ConstructorReportItem.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/XMLFragmentMappingNodeValue.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/expressions/SQLDeleteStatement.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/oxm/mappings/XMLAnyAttributeMapping.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/SessionBrokerIdentityMapAccessor.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/security/PrivilegedGetFields.java
*
/org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/descriptors/invalidation/NoExpiryCacheInvalidationPolicy.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/coordination/MetadataRefreshCommand.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/descriptors/changetracking/CollectionChangeEvent.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/platform/server/oc4j/Oc4jPlatform.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/jpa/parsing/jpql/CaseInsensitiveJPQLLexer.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/expressions/SQLUpdateAllStatementForTempTable.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/helper/SerializationHelper.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/factories/model/sequencing/SequencingConfig.java
*
/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/queries/ModifyQuery.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/schema/XMLSchemaReference.java

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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/ParseTreeContext.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/CollectionTable.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/helper/BasicTypeHelperImpl.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/sessions/factories/model/platform/JBossPlatformConfig.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/queries/ReadAllQuery.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/record/DOMUnmarshaller.java
 *
 /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/platform/server/wls/WebLogic_10_Platform.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/mappings/UnmarshalKeepAsElementPolicy.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/XMLInlineBinaryHandler.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/platform/xml/XMLPlatformException.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/sessions/remote/ReplaceValueHoldersIterator.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/jpql/antlr/JPQLParser.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/sessions/factories/model/sequencing/UnaryTableSequenceConfig.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/MapEntryNode.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/helper/DatabaseTable.java
 *
 /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/sessions/factories/model/login/EISLoginConfig.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/config/ReferenceMode.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/XPathFragment.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/config/ResultType.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/tools/schemaframework/SequenceDefinition.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/mappings/XMLAbstractAnyMapping.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/descriptors/QueryKeyReference.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/sessions/serializers/JavaSerializer.java
 *
 /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/XMLVariableXPathMappingNodeValue.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/sessions/factories/OracleDirectToXMLTypeMappingHelper.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/WriteTransformer.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/NodeValue.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/XMLBinder.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/mappings/XMLCompositeCollectionMapping.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/dynamic/DynamicEntity.java

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* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/factories/model/LoginConfig.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/history/AsOfClause.java
*
/org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/helper/NonSynchronizedProperties.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/mappings/ContainerMapping.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/remote/RemoteConnection.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/UnitOfWorkIdentityMapAccessor.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/record/namespaces/NamespacePrefixMapperWrapper.java
* /org-eclipse-persistence-core-2-7-8-sources-
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 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/sessions/server/ExternalConnectionPool.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/SubqueryNode.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/sessions/remote/corba/sun/_CORBARemoteSessionControllerImplBase.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/codegen/ClassDefinition.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/EmptyCollectionComparisonNode.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/jpql/JPQLParser.java
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/org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/identitymaps/NoIdentityMap.java
* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/sequencing/DefaultSequence.java
* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/HavingNode.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/SortDirectionNode.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/OrderCorrection.java
* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/config/CascadePolicy.java
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/XMLObjectBuilder.java
* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-
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 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/Direction.java
 * /org-eclipse-persistence-core-2-7-8-sources-
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 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/identitymaps/SoftIdentityMap.java
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 * /org-eclipse-persistence-core-2-7-8-sources-
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 * /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/queries/WriteObjectQuery.java
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/expressions/ObjectExpression.java
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/history/UniversalAsOfClause.java
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* /org-eclipse-persistence-core-2-7-8-sources-
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 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/TypeHelper.java
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* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/identitymaps/FullIdentityMap.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/XMLUnmarshalListener.java
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/XMLContext.java
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* /org-eclipse-persistence-core-2-7-8-sources-
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Found in path(s):

* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/record/UnmarshalRecord.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/mappings/Mapping.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/TenantTableDiscriminator.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/Marshaller.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/mappings/CompositeObjectMapping.java
*
/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/core/descriptors/CoreDescriptorEvent.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/core/descriptors/CoreDescriptorEventManager.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/Root.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/core/mappings/converters/CoreConverter.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/IDResolver.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/CharacterEscapeHandler.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/mappings/CompositeCollectionMapping.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/MediaType.java
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/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/mappings/Descriptor.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/record/XMLRecord.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/record/CharacterEscapeHandlerWrapper.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/mappings/DirectMapping.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/core/helper/CoreConversionManager.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/mappings/VariableXPathCollectionMapping.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/core/descriptors/CoreInstantiationPolicy.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/dynamic/EclipseLinkClassWriter.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/core/helper/CoreField.java
*
/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/core/databaseaccess/CorePlatform.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/core/descriptors/CoreObjectBuilder.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/platform/database/oracle/plsql/PLSQLCursor.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/core/descriptors/CoreInheritancePolicy.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/jpql/ReadAllQueryVisitor.java
* /org-eclipse-persistence-core-2-7-8-sources-

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jar/org/eclipse/persistence/internal/oxm/mappings/VariableXPathObjectMapping.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/mappings/AnyCollectionMapping.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/mappings/BinaryDataMapping.java
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/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/Unmarshaller.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/mappings/UnionField.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/descriptors/SerializableDescriptorEventHandler.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/config/ParserType.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/sessions/cdi/InjectionManager.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/unmapped/UnmappedContentHandler.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/mappings/FragmentMapping.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/core/queries/CoreContainerPolicy.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/Context.java
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/org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/core/mappings/CoreMapping.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/core/sessions/CoreSession.java
* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/core/sessions/CoreAbstractRecord.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/unmapped/DefaultUnmappedContentHandler.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/core/sessions/CoreLogin.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/jpql/JPQLQueryHelper.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/jpql/TableDeclaration.java
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/org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/core/descriptors/CoreDescriptor.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/record/MarshalRecord.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/JSONWithPadding.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/jpa/jpql/EclipseLinkSemanticValidatorHelper.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/documentpreservation/AbstractDocumentPreservationPolicy.java
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 * /org-eclipse-persistence-core-2-7-8-sources-
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 * /org-eclipse-persistence-core-2-7-8-sources-
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 * /org-eclipse-persistence-core-2-7-8-sources-
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 * /org-eclipse-persistence-core-2-7-8-sources-
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 * /org-eclipse-persistence-core-2-7-8-sources-
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 * /org-eclipse-persistence-core-2-7-8-sources-
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 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/core/sessions/CoreProject.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/core/mappings/CoreAttributeAccessor.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/NamespacePrefixMapper.java
 * /org-eclipse-persistence-core-2-7-8-sources-
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 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/weaving/RelationshipInfo.java
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 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/queries/ConstructorResult.java
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 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/descriptors/TablePerMultitenantPolicy.java

* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/core/sessions/CoreAbstractSession.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/core/helper/CoreClassConstants.java
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Found in path(s):

* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/record/deferred/CompositeCollectionMappingContentHandler.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/platform/database/oracle/annotations/OracleArrays.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/parsing/FuncNode.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/annotations/XMLProperties.java
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/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/jpql/DerivedDeclaration.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/Index.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/dynamic/DynamicPropertiesInitializationPolicy.java
* /org-eclipse-persistence-core-2-7-8-sources-

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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/core/queries/CoreAttributeGroup.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/descriptors/MultitenantPolicy.java
* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/descriptors/partitioning/RangePartition.java
*
/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/Array.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/jpql/CollectionDeclaration.java
* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/annotations/XmlParameter.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/jpql/TypeResolver.java
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/BatchFetch.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/Structure.java
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/queries/LoadGroup.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/sequencing/UUIDSequence.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/ObjectTypeConverters.java
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/HashPartitioning.java
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* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/queries/AttributeGroup.java
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/Partitioning.java
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/annotations/XmlJoinNodes.java
* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/Converters.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/tools/profiler/PerformanceMonitor.java
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/annotations/XmlClassExtractor.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/annotations/XmlNullPolicy.java
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* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/FetchGroups.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/AdditionalCriteria.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/RangePartitioning.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/helper/FunctionField.java
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/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/ExcludeDefaultMappings.java
* /org-eclipse-persistence-core-2-7-8-sources-
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* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/platform/database/oracle/annotations/PLSQLTables.java

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- * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/IDResolver.java
- * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/annotations/XmlLocation.java
- * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/sessions/factories/model/transport/JMSPublishingTransportManagerConfig.java
- * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/MediaType.java
- * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/record/JSONWriterRecord.java
- * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/annotations/XmlAccessMethods.java
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- * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/platform/database/oracle/annotations/NamedPLSQLStoredProcedureQueries.java
- * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/sessions/CopyGroup.java
- * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/platform/database/oracle/annotations/OracleObjects.java
- * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/XPathPredicate.java
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- * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/queries/BatchFetchPolicy.java
- * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/annotations/XmlIsSetNullPolicy.java
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- * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/queries/AttributeItem.java
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- /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/descriptors/SingleTableMultitenantPolicy.java
- * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/RangePartition.java
- * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/annotations/XmlNamedSubgraph.java
- * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/descriptors/partitioning/ReplicationPartitioningPolicy.java
- * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/jpql/JoinDeclaration.java
- * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/descriptors/CacheIndex.java
- * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/descriptors/CachePolicy.java
- * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/queries/EntityFetchGroup.java
- *
- /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/sessions/factories/OracleObjectTypeWrapper.java
- * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/CompositeMember.java
- * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/Indexes.java

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* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/descriptors/partitioning/PinnedPartitioningPolicy.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/descriptors/partitioning/HashPartitioningPolicy.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/oxm/CollectionGroupingElementNodeValue.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/PinnedPartitioning.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/FetchGroup.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/dynamic/DynamicTypeBuilder.java
*
/org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/descriptors/partitioning/PartitioningPolicy.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/sessions/factories/OracleArrayTypeWrapper.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/mappings/ManyToOneMapping.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/Partitioned.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/annotations/TenantDiscriminatorColumns.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/annotations/XmlReadOnly.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/oxm/record/JSONFormattedWriterRecord.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/UnionPartitioning.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/Noncacheable.java
*
/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/TypeConverters.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/descriptors/partitioning/RangePartitioningPolicy.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/jpql/Declaration.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/CacheIndexes.java
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jar/org/eclipse/persistence/platform/database/oracle/annotations/NamedPLSQLStoredFunctionQuery.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/oxm/annotations/XmlWriteTransformer.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/annotations/XmlTransformation.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/mappings/MultitenantPrimaryKeyMapping.java
*
/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/annotations/XmlPaths.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/ReplicationPartitioning.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/CascadeOnDelete.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/dynamic/DynamicEnumBuilder.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/VirtualAccessMethods.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/FetchAttribute.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/CacheIndex.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/sessions/coordination/jms/JMSPublishingTransportManager.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/annotations/NamedStoredFunctionQuery.java

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*
/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/ValuePartitioning.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/annotations/XmlProperty.java
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jar/org/eclipse/persistence/internal/oxm/record/ExtendedContentHandler.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/annotations/NamedStoredFunctionQueries.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/StructConverters.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/oxm/annotations/XmlMarshalNullRepresentation.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/annotations/RoundRobinPartitioning.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/platform/database/oracle/annotations/NamedPLSQLStoredFunctionQueries.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/oxm/annotations/XmlNamedAttributeNode.java
*
/org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/annotations/DatabaseChangeNotificationType.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/platform/database/oracle/annotations/NamedPLSQLStoredProcedureQuery.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/core/queries/CoreAttributeItem.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/annotations/XmlCDATA.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/descriptors/VPDMultitenantPolicy.java
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jar/org/eclipse/persistence/internal/identitymaps/CacheIdComparator.java
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jar/org/eclipse/persistence/exceptions/i18n/JSONExceptionResource.java
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/platform/database/SybasePlatform.java
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/sessions/PropertiesHandler.java
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/helper/ConversionManager.java

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```
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```

```

*/
/**
 * <p>The <code>RecordConverter</code> interface allows conversion of an adapter
 * specific record. This can be used with the <code>EISPlatform</code> to allow
 * user code to convert between the JCA-CCI Record used by the adapter and
 * EclipseLink. This can also be used to convert a proprietary adapter record
 * format or contents into XML, Mapped or Indexed data.
 *
 * @author James
 * @since OracleAS TopLink 10<i>g</i> (10.0.3)
 */

```

Found in path(s):

* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/eis/RecordConverter.java

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-->

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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/eclipselink_persistence_map_1.0.xsd
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/eclipselink_persistence_map_2.3.xsd
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/eclipselink_sessions_2.1.xsd
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/toplink-object-persistence_11_1_1.xsd

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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/json/JsonParserSource.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/rs/metadata/model/v2/Resource.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/annotations/XmlElementNillable.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/exceptions/BeanValidationException.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/annotations/XmlValueExtension.java
*
/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/rs/metadata/model/CollectionWrapper.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/core/queries/CoreAttributeConverter.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/exceptions/i18n/BeanValidationExceptionResource.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/rs/metadata/model/v2/ResourceSchema.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/descriptors/SchemaPerMultitenantPolicy.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/oxm/annotations/XmlIDExtension.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/rs/metadata/model/v2/Reference.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/rs/metadata/model/v2/MetadataCatalog.java
*
/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/rs/metadata/model/v2/ContextsCatalog.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/rs/metadata/model/v2/Property.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/helper/StringHelper.java

* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/record/json/JsonParserReader.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/XMLMarshaller.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/descriptors/DescriptorHelper.java
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/sessions/Project.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/databaseaccess/DatasourceAccessor.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/mappings/AggregateObjectMapping.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/mappings/OneToOneMapping.java
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*/

/**
* INTERNAL:
* Indicate whether app. server should unwrap connection
* to use lob locator.
* No need to unwrap connection because

* writeLob method doesn't use oracle proprietary classes.

*/

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 */
 /**
 * This property is used to specify proxy type that should be passed to OarcleConnection.openProxySession
 method.
 * Requires Oracle jdbc version 10.1.0.2 or later.
 * Requires Oracle9Platform or later as a database platform
 * (TARGET_DATABASE property value should be TargetDatabase.Oracle9 or later).
 * The valid values are:
 * OracleConnection.PROXYTYPE_USER_NAME,
 OracleConnection.PROXYTYPE_DISTINGUISHED_NAME, OracleConnection.PROXYTYPE_CERTIFICATE.
 * Property property corresponding to the specified type should be also provided:
 * OracleConnection.PROXY_USER_NAME, OracleConnection.PROXY_DISTINGUISHED_NAME,
 OracleConnection.PROXY_CERTIFICATE.
 * Typically these properties should be set into EntityManager (either through createEntityManager method or
 * using proprietary setProperties method on EntityManagerImpl) - that causes EntityManager to use proxy
 connection for
 * writing and reading inside transaction.
 * If proxy-type and the corresponding proxy property set into EntityManagerFactory then all connections
 * created by the factory will be proxy connections.
 * The property cannot be applied to existing active persistence unit context.
 * The context could be removed by calling clear method on the EntityManager when there is no active
 transaction.
 */

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jar/org/eclipse/persistence/internal/databaseaccess/DatasourceCall.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/expressions/FunctionExpression.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/databaseaccess/InOutParameterForCallableStatement.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/mappings/DirectCollectionMapping.java
*
/org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/platform/database/oracle/plsql/PLSQLStoredProcedureCall.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/sessions/server/ClientSession.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/databaseaccess/BindCallCustomParameter.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/descriptors/DescriptorQueryManager.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/databaseaccess/OutputParameterForCallableStatement.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/tools/schemaframework/StoredProcedureDefinition.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/platform/database/Oracle8Platform.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/platform/database/Oracle11Platform.java
*
/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/queries/ReportItem.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/databaseaccess/InParameterForCallableStatement.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/config/QueryHints.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/platform/database/DBasePlatform.java
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 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/eis/EISPlatform.java
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 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/NamespaceResolver.java
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jar/org/eclipse/persistence/internal/indirection/UnitOfWorkValueHolder.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/eis/EISAccessor.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/sessions/MergeManager.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/descriptors/copying/CopyPolicy.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/expressions/ExpressionSQLPrinter.java
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 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/mappings/foundation/AbstractDirectMapping.java
 *
 * /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/descriptors/ClassDescriptor.java
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/tools/tuning/StandardTuner.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/expressions/OuterJoinExpressionHolder.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/rs/metadata/model/Query.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/rs/metadata/model/LinkV2.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/ConversionManager.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/record/ExtendedSource.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/oxm/record/XMLPlatform.java
*
/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/jpa/rs/metadata/model/Attribute.java
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*/
/**
* The "<code>eclipseproxy.oracle.proxy-type</code>" property is used to
* specify proxy type that should be passed to
* OracleConnection.openProxySession method. Requires Oracle JDBC version
* 10.1.0.2 or later. Requires Oracle9Platform or later as a database
* platform (TARGET_DATABASE property value should be TargetDatabase.Oracle9
* or later).

```



```

* <p>
* Values:
*
<ul>
* <li>oracle.jdbc.OracleConnection.PROXYTYPE_USER_NAME,
* <li>oracle.jdbc.OracleConnection.PROXYTYPE_DISTINGUISHED_NAME,
* <li>oracle.jdbc.OracleConnection.PROXYTYPE_CERTIFICATE.
* </ul>
* <p>
* Property values corresponding to the specified type should be also
* provided:
* <ul>
* <li>oracle.jdbc.OracleConnection.PROXY_USER_NAME,
* <li>oracle.jdbc.OracleConnection.PROXY_DISTINGUISHED_NAME,
* <li>oracle.jdbc.OracleConnection.PROXY_CERTIFICATE.
* </ul>
* <p>
* Typically these properties should be set into EntityManager (either
* through createEntityManager method or using proprietary setProperties
* method on EntityManagerImpl) - that causes EntityManager to use proxy
* connection for writing and reading inside transaction. If proxy-type and
* the corresponding proxy property set into EntityManagerFactory then all
* connections created by the factory will be proxy connections.
*/

```

Found

in path(s):

* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/config/PersistenceUnitProperties.java
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/tools/profiler/QueryMonitor.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/exceptions/ConversionException.java
* /org-eclipse-persistence-core-2-7-8-sources-

```

jar/org/eclipse/persistence/sessions/coordination/RemoteCommandManager.java
*
/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/mappings/AggregateMapping.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/localization/i18n/ToStringLocalizationResource.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/dynamic/DynamicClassLoader.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/logging/AbstractSessionLog.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/platform/server/was/WebSphere_7_Platform.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/exceptions/i18n/SDOExceptionResource.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/mappings/CollectionMapping.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/descriptors/ObjectBuilder.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/platform/xml/XMLPlatformFactory.java
*
/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/localization/TraceLocalization.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/helper/WriteLockManager.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/helper/Helper.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/tools/PackageRenamer.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/exceptions/i18n/ExceptionMessageGenerator.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/platform/database/MySQLPlatform.java
* /org-eclipse-persistence-core-2-7-8-sources-
jar/org/eclipse/persistence/internal/identitymaps/IdentityMapManager.java
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/platform/server/ServerPlatformUtils.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/config/PropertiesUtils.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/platform/server/ServerPlatformDetector.java

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jar/org/eclipse/persistence/internal/sessions/factories/model/platform/WebSphere_EJBEmbeddable_PlatformConfig.
java
* /org-eclipse-persistence-core-2-7-8-sources-
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jar/org/eclipse/persistence/internal/oxm/record/XMLReaderAdapter.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/identitymaps/CacheId.java
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* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/security/PrivilegedGetClassLoaderFromCurrentThread.java
* /org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/cache/AdvancedProcessor.java
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/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/internal/indirection/jdk8/IndirectList.java
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/org-eclipse-persistence-core-2-7-8-sources-jar/org/eclipse/persistence/platform/server/glassfish/GlassfishPlatformDetector.java
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Upstream-Name: liblz4

Upstream-Contact: Yann Collet <Cyan4973@github.com>

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1.161 python-certifi 2018.01.18

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1.163 procps 3.3.15-6.el8

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treats it as such.

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

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

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

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

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

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

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

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

inline

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

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

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

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1.164 trousers-lib 0.3.15-1.el8

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1.165 python3-pysocks 1.6.8-3.el8

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1.166 python3-gobject-base 3.28.3-2.el8

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Version 2.1, February 1999

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of

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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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1.171 unbound 1.13.1

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1.172 pythonurllib 1.24.2-5.el8

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Contributions to the urllib3 project

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In chronological order:

- * victor.vde <<http://code.google.com/u/victor.vde/>>
 - * HTTPS patch (which inspired HTTPSConnectionPool)
- * erikcederstrand <<http://code.google.com/u/erikcederstrand/>>
 - * NTLM-authenticated HTTPSConnectionPool
 - * Basic-authenticated HTTPSConnectionPool (merged into make_headers)
- * niphlod <niphlod@gmail.com>
 - * Client-verified SSL certificates for HTTPSConnectionPool
 - * Response gzip and deflate encoding support
 - * Better unicode support for filepost using StringIO buffers
- * btoconnor <brian@btoconnor.net>
 - * Non-multipart encoding for POST requests
- * p.dobrogost <<http://code.google.com/u/@WBRSRIBZDhBFXQB6/>>
 - * Code review, PEP8 compliance, benchmark fix
- * kennethreitz <me@kennethreitz.com>
 - * Bugfixes, suggestions, Requests integration
- * georgemarshal <<https://github.com/georgemarshal>>
 - * Bugfixes, Improvements and Test coverage
- * Thomas Kluyver <thomas@kluyver.me.uk>
 - * Python 3 support
- * brandon-rhodes <<http://rhodesmill.org/brandon>>
 - * Design review, bugfixes, test coverage.
- * studer <theo.studer@gmail.com>
 - * IPv6 url support and test coverage
- * Shivaram Lingamneni <slingamn@cs.stanford.edu>
 - * Support for explicitly closing pooled connections
- * hartator <hartator@gmail.com>
 - * Corrected multipart behavior for params
- * Thomas Weischuh <thomas@t-8ch.de>
 - * Support for TLS SNI
 - * API unification of ssl_version/cert_reqs
 - * SSL fingerprint and alternative hostname verification

- * Bugfixes in testsuite
- * Sune Kirkeby <mig@ibofobi.dk>
- * Optional SNI-support for Python 2 via PyOpenSSL.
- * Marc Schlaich <marc.schlaich@gmail.com>
- * Various bugfixes and test improvements.
- * Bryce Boe <bbzbryce@gmail.com>
- * Correct six.moves conflict
- * Fixed pickle support of some exceptions
- * Boris Figovsky <boris.figovsky@ravellosystems.com>
- * Allowed to skip SSL hostname verification
- * Cory Benfield
- <<https://lukasa.co.uk/about/>>
- * Stream method for Response objects.
- * Return native strings in header values.
- * Generate 'Host' header when using proxies.
- * Jason Robinson <jaywink@basshero.org>
- * Add missing WrappedSocket.fileno method in PyOpenSSL
- * Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
- * Fixed a race condition
- * Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
- * Added HTTPS (CONNECT) proxy support
- * Stephen Holsapple <sholsapp@gmail.com>
- * Added abstraction for granular control of request fields
- * Martin von Gagern <Martin.vGagern@gmx.net>
- * Support for non-ASCII header parameters
- * Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
- * Support for separate connect and request timeouts
- * Peter Waller <p@pwaller.net>
- * HTTPResponse.tell() for determining amount received over the wire
- * Nipunn Koorapati <nipunn1313@gmail.com>
- * Ignore default ports when comparing hosts for equality
- * Danilo @dbrgn <<https://dbrgn.ch/>>
- * Disabled TLS compression by default on Python 3.2+
- * Disabled TLS compression in pyopenssl contrib module

- * Configurable cipher suites in pyopenssl contrib module
- * Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
- * Account retries on proxy errors
- * Nicolas Delaby <nicolas.delaby@ezeep.com>
- * Use the platform-specific CA certificate locations
- * Josh Schneier <https://github.com/jschneier>
- * HTTPHeaderDict and associated tests and docs
- * Bugfixes, docs, test coverage
- * Tahia Khan <http://tahia.tk/>
- * Added Timeout examples in docs
- * Arthur Grunseid <https://grunseid.com>
- * source_address support and tests (with https://github.com/bui)
- * Ian Cordasco <graffatcolmingov@gmail.com>
- * PEP8 Compliance and Linting
- * Add ability to pass socket options to an HTTP Connection
- * Erik Tollerud <erik.tollerud@gmail.com>
- * Support for standard library io module.
- * Krishna Prasad <kprasad.iitd@gmail.com>
- * Google App Engine documentation
- * Aaron Meurer
<asmeurer@gmail.com>
- * Added Url.url, which unparses a Url
- * Evgeny Kapun <abacabadabacaba@gmail.com>
- * Bugfixes
- * Benjamin Meyer <bm_witness@yahoo.com>
- * Security Warning Documentation update for proper capture
- * Shivan Sornarajah <github@sornars.com>
- * Support for using ConnectionPool and PoolManager as context managers.
- * Alex Gaynor <alex.gaynor@gmail.com>
- * Updates to the default SSL configuration
- * Tomas Tomecek <ttomecek@redhat.com>
- * Implemented generator for getting chunks from chunked responses.
- * tlynn <https://github.com/tlynn>

- * Respect the warning preferences at import.
- * David D. Riddle <ddriddle@illinois.edu>
 - * IPv6 bugfixes in testsuite
- * Thea Flowers <magicalgirl@google.com>
 - * App Engine environment tests.
 - * Documentation re-write.
- * John Krauss <https://github.com/talos>
 - * Clues to debugging problems with `cryptography` dependency in docs
- * Disassem <https://github.com/Disassem>
 - * Fix pool-default headers not applying for url-encoded requests like GET.
- * James Atherfold <jlatherfold@hotmail.com>
 - * Bugfixes relating to cleanup of connections during errors.
- * Christian Pedersen <https://github.com/chripede>
 - * IPv6 HTTPS proxy bugfix
- * Jordan Moldow <https://github.com/jmoldow>
 - * Fix low-level exceptions leaking from ``HTTPResponse.stream()``.
 - * Bugfix for ``ConnectionPool.urlopen(release\_conn=False)``.
 - * Creation of ``HTTPConnectionPool.ResponseCls``.
- * Predrag Gruevski <https://github.com/obi1kenobi>
 - * Made cert digest comparison use a constant-time algorithm.
- * Adam Talsma <https://github.com/a-tal>
 - * Bugfix to ca_cert file paths.
- * Evan Meagher <https://evanmeagher.net>
 - * Bugfix related to `memoryview` usage in PyOpenSSL adapter
- * John Vandenberg <jayvdb@gmail.com>
 - * Python 2.6 fixes; pyflakes and pep8 compliance
- * Andy Caldwell <andy.m.caldwell@googlemail.com>
 - * Bugfix related to reusing connections in indeterminate states.
- * Ville Skytt <ville.skytta@iki.fi>
 - * Logging efficiency improvements, spelling fixes, Travis config.
- * Shige Takeda <smtakeda@gmail.com>
 - * Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response

- * Jesse Shapiro <jesse@jesseshapiro.net>
- * Various character-encoding fixes/tweaks
- * Disabling IPv6 DNS when IPv6 connections not supported

- * David Foster <http://dafoster.net/>
- * Ensure order of request and response headers are preserved.

- * Jeremy Cline <jeremy@jcline.org>
- * Added connection pool keys by scheme

- * Aviv Palivoda <palaviv@gmail.com>
- * History list to Retry object.
- * HTTPResponse contains the last Retry object.

- * Nate Prewitt <nate.prewitt@gmail.com>
- * Ensure timeouts are not booleans and greater than zero.
- * Fixed infinite loop in ``stream`` when amt=None.
- * Added length_remaining to determine remaining data to be read.
- * Added enforce_content_length to raise exception when incorrect content-length received.

- * Seth Michael Larson <sethmichaellarson@protonmail.com>
- * Created selectors backport that supports PEP 475.

- * Alexandre Dias <alex.dias@smarkets.com>
- * Don't retry on timeout if method not in whitelist

- * Moinuddin Quadri <moin18@gmail.com>
- * Lazily load idna package

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

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

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

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

- * Wolfgang Richter <wolfgang.richter@gmail.com>
- * Bugfix related to loading full certificate chains with PyOpenSSL backend.

- * Mike Miller <github@mikeage.net>
- * Logging improvements to include the HTTP(S) port when opening a new connection

- * Ioannis Tziakos <mail@itziakos.gr>
- * Fix ``util.selectors.\_fileobj\_to\_fd`` to accept ``long``.
- * Update appveyor tox setup to use the 64bit python.

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

- * Dominique Leuenberger <dimstar@opensuse.org>
- * Minor fixes in the test suite

- * Will Bond <will@wbond.net>
- * Add Python 2.6 support to ``contrib.securetransport``

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

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

- * Bruce Merry <https://www.brucemerry.org.za>
- * Fix leaking exceptions when system calls are interrupted with zero timeout

- * Hugo van Kemenade <https://github.com/hugovk>
- * Drop support for EOL Python 2.6

- * Tim Bell <https://github.com/timb07>
- * Bugfix for responses with Content-Type: message/* logging warnings

- * Justin Bramley <https://github.com/jbramleycl>
- * Add ability to handle multiple Content-Encodings

- * Katsuhiko YOSHIDA <https://github.com/kyoshidajp>
- * Remove Authorization header regardless
of case when redirecting to cross-site

- * [Your name or handle] <[email or website]>
- * [Brief summary of your changes]

1.173 nspr 4.32.0-1.el8_4

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1.176 file-system 3.8-6.el8

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* /filesystem-3.8-6.el8.src.rpm-cosi-expand-archive-1aCvUqW7/filesystem.spec

1.177 ncurses-compat-libs 6.1-9.20180224.el8

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This package is used for testing builds of ncurses.

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Files: doc/html/NCURSES-Programming-HOWTO.html

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-- \$Id: COPYING,v 1.6 2018/01/01 12:00:00 tom Exp \$

1.178 lua-libs 5.3.4-12.el8

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* /lua-5.3.4-12.el8.src.rpm-cosi-expand-archive-WgsXiIr8/lua-5.3.4.tar.gz-cosi-expand-archive-sUpNe3GE/lua-5.3.4/doc/readme.html

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```

Found in path(s):

```

* /lua-5.3.4-12.el8.src.rpm-cosi-expand-archive-WgsXiIr8/lua-5.3.4-tests.tar.gz-cosi-expand-archive-EJ9zhirT/lua-
5.3.4-tests/all.lua

```

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* /lua-5.3.4-12.el8.src.rpm-cosi-expand-archive-WgsXiIr8/lua-5.3.4.tar.gz-cosi-expand-archive-sUpNe3GE/lua-
5.3.4/src/lua.h

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1.179 kerberos 1.18.2-14.el8

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cmd/krb5/kadmin/server/ipropd_svc.c
cmd/krb5/kproplog/kproplog.c
cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
lib/krb5/kdb/kdb_log.h
lib/libgss/g_accept_sec_context.c
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lib/libgss/g_dup_name.c
lib/libgss/g_exp_sec_context.c
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lib/libgss/g_inquire_names.c
lib/libgss/g_process_context.c
lib/libgss/g_rel_buffer.c
lib/libgss/g_rel_cred.c
lib/libgss/g_rel_name.c
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- lib/gssapi/mechglue/g_accept_sec_context.c
- lib/gssapi/mechglue/g_acquire_cred.c
- lib/gssapi/mechglue/g_canon_name.c
- lib/gssapi/mechglue/g_compare_name.c
- lib/gssapi/mechglue/g_context_time.c
- lib/gssapi/mechglue/g_delete_sec_context.c
- lib/gssapi/mechglue/g_dsp_name.c
- lib/gssapi/mechglue/g_dsp_status.c
- lib/gssapi/mechglue/g_dup_name.c
- lib/gssapi/mechglue/g_exp_sec_context.c
- lib/gssapi/mechglue/g_export_name.c
- lib/gssapi/mechglue/g_glue.c
- lib/gssapi/mechglue/g_imp_name.c
- lib/gssapi/mechglue/g_imp_sec_context.c
- lib/gssapi/mechglue/g_init_sec_context.c
- lib/gssapi/mechglue/g_initialize.c
- lib/gssapi/mechglue/g_inquire_context.c
- lib/gssapi/mechglue/g_inquire_cred.c
- lib/gssapi/mechglue/g_inquire_names.c
- lib/gssapi/mechglue/g_process_context.c
- lib/gssapi/mechglue/g_rel_buffer.c
- lib/gssapi/mechglue/g_rel_cred.c
- lib/gssapi/mechglue/g_rel_name.c
- lib/gssapi/mechglue/g_rel_oid_set.c
- lib/gssapi/mechglue/g_seal.c
- lib/gssapi/mechglue/g_sign.c
- lib/gssapi/mechglue/g_store_cred.c
- lib/gssapi/mechglue/g_unseal.c
- lib/gssapi/mechglue/g_userok.c
- lib/gssapi/mechglue/g_utils.c
- lib/gssapi/mechglue/g_verify.c
- lib/gssapi/mechglue/gssd_pname_to_uid.c

lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

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kadmin/server/iprof_svc.c
lib/kdb/iprof.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
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1.183 python3-unbound 1.7.3-17.el8

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1.189 file 5.33-20.el8

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1.190 kerberos 1.18.2-14.el8

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cmd/krb5/iprop/iprop_hdr.h
cmd/krb5/kadmin/server/ipropd_svc.c
cmd/krb5/kproplog/kproplog.c
cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
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lib/libgss/g_canon_name.c
lib/libgss/g_compare_name.c
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lib/libgss/g_dsp_name.c
lib/libgss/g_dsp_status.c
lib/libgss/g_dup_name.c
lib/libgss/g_exp_sec_context.c
lib/libgss/g_export_name.c
```

lib/libgss/g_glue.c
lib/libgss/g_imp_name.c
lib/libgss/g_imp_sec_context.c
lib/libgss/g_init_sec_context.c
lib/libgss/g_initialize.c
lib/libgss/g_inquire_context.c
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- lib/gssapi/mechglue/g_acquire_cred.c
- lib/gssapi/mechglue/g_canon_name.c
- lib/gssapi/mechglue/g_compare_name.c
- lib/gssapi/mechglue/g_context_time.c
- lib/gssapi/mechglue/g_delete_sec_context.c
- lib/gssapi/mechglue/g_dsp_name.c
- lib/gssapi/mechglue/g_dsp_status.c
- lib/gssapi/mechglue/g_dup_name.c
- lib/gssapi/mechglue/g_exp_sec_context.c
- lib/gssapi/mechglue/g_export_name.c
- lib/gssapi/mechglue/g_glue.c
- lib/gssapi/mechglue/g_imp_name.c
- lib/gssapi/mechglue/g_imp_sec_context.c
- lib/gssapi/mechglue/g_init_sec_context.c
- lib/gssapi/mechglue/g_initialize.c
- lib/gssapi/mechglue/g_inquire_context.c
- lib/gssapi/mechglue/g_inquire_cred.c
- lib/gssapi/mechglue/g_inquire_names.c
- lib/gssapi/mechglue/g_process_context.c
- lib/gssapi/mechglue/g_rel_buffer.c
- lib/gssapi/mechglue/g_rel_cred.c
- lib/gssapi/mechglue/g_rel_name.c
- lib/gssapi/mechglue/g_rel_oid_set.c
- lib/gssapi/mechglue/g_seal.c
- lib/gssapi/mechglue/g_sign.c
- lib/gssapi/mechglue/g_store_cred.c
- lib/gssapi/mechglue/g_unseal.c
- lib/gssapi/mechglue/g_userok.c
- lib/gssapi/mechglue/g_utils.c
- lib/gssapi/mechglue/g_verify.c
- lib/gssapi/mechglue/gssd_pname_to_uid.c
- lib/gssapi/mechglue/mglueP.h
- lib/gssapi/mechglue/oid_ops.c
- lib/gssapi/spnego/gssapiP_spnego.h
- lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation,

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include/iprof_hdr.h
kadmin/server/iprof_svc.c
lib/kdb/iprof.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
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Constant-time SSSE3 AES core implementation.

version 0.1

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By Mike Hamburg (Stanford University), 2009

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1.192 pcre 8.42-6.el8

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1.193 libsepol 2.9-3.el8

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1.194 nss-util 3.67.0-7.el8_5

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1.200 ncurses 6.1-9.20180224.el8

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1.201 curl 7.61.1-22.el8

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1.202 unbound 1.7.3-17.el8

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1.203 open-ldap 2.4.46-18.el8

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1.204 keyutils 1.5.10-9.el8

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

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

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

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

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

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

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

Section 6 states terms for distribution of such executables.

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

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object

file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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

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

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

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

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials

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

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

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1.205 tpm2-tss-tcti 2.3.2-4.el8

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1.206 libxcrypt 4.1.1-6.el8

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

application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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

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

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1.212 jaxws-rt-bundle 2.3.1

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1.213 jaxws-tools-bundle 2.3.1

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1.214 rngom 2.3.1

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* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/classloaderhandler/FelixClassLoaderHandler.java
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/*

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* This file is part of ClassGraph.
*
* Author: R. Kempees
*
* With contributions from @cpierceworld (#414)
*
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* /classgraph-4-8-138-sources-
jar/nonapi/io/github/classgraph/classloaderhandler/WebsphereLibertyClassLoaderHandler.java
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* This file is part of ClassGraph.
*
* Author: Luke Hutchison (luke.hutch@gmail.com)
*
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* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/fileslice/reader/SequentialReader.java

* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/fileslice/PathSlice.java

* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/fileslice/FileSlice.java

* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/fileslice/reader/RandomAccessArrayReader.java

* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/fileslice/Slice.java

* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/fileslice/reader/RandomAccessByteBufferReader.java

* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/fileslice/reader/RandomAccessFileChannelReader.java

*

/classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/fileslice/reader/ClassfileReader.java

* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/fileslice/ArraySlice.java

* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/fileslice/reader/RandomAccessReader.java

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*

* Author: Luke Hutchison

*

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* /classgraph-4-8-138-sources-
 jar/nonapi/io/github/classgraph/classloaderhandler/WeblogicClassLoaderHandler.java
 * /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/classloaderhandler/JPMSCClassLoaderHandler.java
 * /classgraph-4-8-138-sources-
 jar/nonapi/io/github/classgraph/classloaderhandler/ClassGraphClassLoaderHandler.java
 * /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/Utils/JarUtils.java
 * /classgraph-4-8-138-sources-jar/io/github/classgraph/TypeParameter.java
 * /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/json/ClassFields.java
 * /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/fastzipfilereader/FastZipEntry.java
 *
 /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/scanspec/AcceptReject.java
 * /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/classpath/ClasspathFinder.java
 * /classgraph-4-8-138-sources-jar/io/github/classgraph/MappableInfoList.java
 * /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/classpath/CallStackReader.java
 * /classgraph-4-8-138-sources-
 jar/nonapi/io/github/classgraph/classloaderhandler/PlexusClassWorldsClassRealmClassLoaderHandler.java
 * /classgraph-4-8-138-sources-
 jar/nonapi/io/github/classgraph/classloaderhandler/UnoOneJarClassLoaderHandler.java
 * /classgraph-4-8-138-sources-jar/io/github/classgraph/ReferenceTypeSignature.java
 * /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/json/ReferenceEqualityKey.java
 * /classgraph-4-8-138-sources-jar/io/github/classgraph/ModuleRef.java
 * /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/recycler/Resettable.java
 * /classgraph-4-8-138-sources-jar/io/github/classgraph/PackageInfo.java
 *
 /classgraph-4-8-138-sources-jar/io/github/classgraph/AnnotationParameterValue.java
 * /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/classpath/ClassLoaderOrder.java
 * /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/Utils/LogNode.java
 * /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/types/ParseException.java
 * /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/json/JSONParser.java
 * /classgraph-4-8-138-sources-
 jar/nonapi/io/github/classgraph/classloaderhandler/EquinoxContextFinderClassLoaderHandler.java
 * /classgraph-4-8-138-sources-

```

jar/nonapi/io/github/classgraph/classloaderhandler/ParentLastDelegationOrderTestClassLoaderHandler.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/json/ClassFieldCache.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/ScanResult.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/ArrayTypeSignature.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/scanspec/ScanSpec.java
*
/classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/classpath/ModuleFinder.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/GraphvizDotfileGenerator.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/json/JSONReference.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/MethodTypeSignature.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/Scanner.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/PackageInfoList.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/HierarchicalTypeSignature.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/Resource.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/concurrency/SingletonMap.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/ModuleReaderProxy.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/AnnotationClassRef.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/classloaderhandler/ClassLoaderHandler.java
*
/classgraph-4-8-138-sources-jar/io/github/classgraph/ClassGraph.java
* /classgraph-4-8-138-sources-
jar/nonapi/io/github/classgraph/classloaderhandler/TomcatWebappClassLoaderBaseHandler.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/Classfile.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/TypeArgument.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/fastzipfilereader/LogicalZipFile.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/json/JSONDeserializer.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/ClasspathElementFileDir.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/ClassInfoList.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/ClasspathElementModule.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/json/JSONSerializer.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/json/ParameterizedTypeImpl.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/recycler/RecycleOnClose.java
*
/classgraph-4-8-138-sources-jar/io/github/classgraph/MethodInfoList.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/FieldInfoList.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/types/Parser.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/ClasspathElement.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/MethodInfo.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/ClassGraphException.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/ScanResultObject.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/TypeSignature.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/classloaderhandler/URLClassLoaderHandler.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/ModuleInfoList.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/classloaderhandler/ClassLoaderHandlerRegistry.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/json/JSONObject.java
*
/classgraph-4-8-138-sources-jar/io/github/classgraph/PotentiallyUnmodifiableList.java
* /classgraph-4-8-138-sources-

```

```

jar/nonapi/io/github/classgraph/classloaderhandler/OSGiDefaultClassLoaderHandler.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/fastzipfilereader/PhysicalZipFile.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/reflection/ReflectionUtils.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/json/FieldTypeInfo.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/Utils/ProxyingInputStream.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/json/Id.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/BaseTypeSignature.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/ClassTypeSignature.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/ClassRefTypeSignature.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/ClassRefOrTypeVariableSignature.java
*
/classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/classloaderhandler/EquinoxClassLoaderHandler.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/Utils/CollectionUtils.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/fastzipfilereader/NestedJarHandler.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/classpath/SystemJarFinder.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/Utils/FileUtils.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/json/JSONUtils.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/concurrency/WorkQueue.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/json/JSONArray.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/ModulePathInfo.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/Utils/FastPathResolver.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/types/TypeUtils.java
*
/classgraph-4-8-138-sources-jar/io/github/classgraph/AnnotationParameterValueList.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/ClassGraphClassLoader.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/classpath/ClassLoaderFinder.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/json/TypeResolutions.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/FieldInfo.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/Utils/VersionFinder.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/fastzipfilereader/ZipFileSlice.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/Utils/StringUtils.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/MethodParameterInfo.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/Utils/URLPathEncoder.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/ClasspathElementZip.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/InfoList.java
*
/classgraph-4-8-138-sources-jar/io/github/classgraph/HasName.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/ObjectTypedValueWrapper.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/concurrency/InterruptChecker.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/AnnotationInfoList.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/classpath/ClasspathOrder.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/ArrayClassInfo.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/AnnotationEnumValue.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/ClasspathElementPathDir.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/ClassInfo.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/AnnotationInfo.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/recycler/Recycler.java
* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/classloaderhandler/FallbackClassLoaderHandler.java

```

```

*
/classgraph-4-8-138-sources-jar/io/github/classgraph/TypeVariableSignature.java
* /classgraph-4-8-138-sources-jar/io/github/classgraph/ModuleInfo.java
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* This file is part of ClassGraph.
*
* Author: Michael J. Simons
*
* Hosted at: https://github.com/classgraph/classgraph
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```

* /classgraph-4-8-138-sources-
jar/nonapi/io/github/classgraph/classloaderhandler/SpringBootRestartClassLoaderHandler.java
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/*
* This file is part of ClassGraph.
*
* Author: Johnno Crawford (johnno@sulake.com)
*

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* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/concurrency/SimpleThreadFactory.java
 * /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/concurrency/AutoCloseableExecutorService.java
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*

* Author: Luke Hutchison

*

* Hosted at: <https://github.com/classgraph/classgraph>

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```

* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/classloaderhandler/JBossClassLoaderHandler.java
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*
* Author: @mcollovati
*
* Hosted at: https://github.com/classgraph/classgraph
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/*
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 *
 * Author: @jacobg on GitHub
 *
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* /classgraph-4-8-138-sources-jar/nonapi/io/github/classgraph/classloaderhandler/AntClassLoaderHandler.java

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 */
```

Found in path(s):

* /slf4j-api-1-7-35-sources-jar/org/slf4j/MDC.java
* /slf4j-api-1-7-35-sources-jar/org/slf4j/helpers/BasicMarkerFactory.java
* /slf4j-api-1-7-35-sources-jar/org/slf4j/impl/StaticLoggerBinder.java
* /slf4j-api-1-7-35-sources-jar/org/slf4j/helpers/MessageFormatter.java
* /slf4j-api-1-7-35-sources-jar/org/slf4j/spi/MDCAdapter.java
* /slf4j-api-1-7-35-sources-jar/org/slf4j/Marker.java
* /slf4j-api-1-7-35-sources-jar/org/slf4j/ILoggerFactory.java
* /slf4j-api-1-7-35-sources-jar/org/slf4j/Logger.java

```

* /slf4j-api-1-7-35-sources-jar/org/slf4j/helpers/FormattingTuple.java
* /slf4j-api-1-7-35-sources-jar/org/slf4j/helpers/Util.java
* /slf4j-api-1-7-35-sources-jar/org/slf4j/impl/StaticMarkerBinder.java
* /slf4j-api-1-7-35-sources-jar/org/slf4j/helpers/NOPMDCAdapter.java
*
/slf4j-api-1-7-35-sources-jar/org/slf4j/helpers/NOPLoggerFactory.java
* /slf4j-api-1-7-35-sources-jar/org/slf4j/spi/LoggerFactoryBinder.java
* /slf4j-api-1-7-35-sources-jar/org/slf4j/impl/StaticMDCBinder.java
* /slf4j-api-1-7-35-sources-jar/org/slf4j/helpers/SubstituteLogger.java
* /slf4j-api-1-7-35-sources-jar/org/slf4j/helpers/SubstituteLoggerFactory.java
* /slf4j-api-1-7-35-sources-jar/org/slf4j/helpers/NamedLoggerBase.java
* /slf4j-api-1-7-35-sources-jar/org/slf4j/spi/LocationAwareLogger.java
* /slf4j-api-1-7-35-sources-jar/org/slf4j/LoggerFactory.java
* /slf4j-api-1-7-35-sources-jar/org/slf4j/helpers/MarkerIgnoringBase.java
* /slf4j-api-1-7-35-sources-jar/org/slf4j/spi/MarkerFactoryBinder.java
* /slf4j-api-1-7-35-sources-jar/org/slf4j/MarkerFactory.java
* /slf4j-api-1-7-35-sources-jar/org/slf4j/helpers/BasicMDCAdapter.java
* /slf4j-api-1-7-35-sources-jar/org/slf4j/helpers/BasicMarker.java
* /slf4j-api-1-7-35-sources-jar/org/slf4j/helpers/NOPLogger.java
*
/slf4j-api-1-7-35-sources-jar/org/slf4j/IMarkerFactory.java

```

1.217 javax-annotation-api 1.3.2

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* Adds artificial DS records and RRs.

* For the purpose of generating a test zone file

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```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en" dir="ltr">
<head>
<title>PostgreSQL JDBC License</title>
<meta http-equiv="Content-Type" content="text/xhtml; charset=utf-8" />
<meta name="description" content="The official site for the PostgreSQL JDBC Driver" />
<meta name="copyright" content="The PostgreSQL Global Development Group" />
```

```
<style type="text/css" media="screen" title="Normal Text">@import url("../media/css/base.css");</style>
```

```
<link rel="shortcut icon" href="../media/favicon.ico" />
```

```
<!--
<script type="text/javascript">
var _gaq = _gaq || [];
_gaq.push(['_setAccount', 'UA-1345454-1']);
_gaq.push(['_trackPageview']);
(function() {
var ga = document.createElement('script'); ga.type = 'text/javascript'; ga.async = true;
ga.src = ('https:' == document.location.protocol ? 'https://ssl' : 'http://www') + '.google-analytics.com/ga.js';
var
s = document.getElementsByTagName('script')[0]; s.parentNode.insertBefore(ga, s);
})();
</script>
-->
</head>
```

```
<body>
<div id="pgContainerWrap">
<div id="pgContainer">
```

```
<span class="txtOffScreen"><a href="#pgContent" title="Skip site navigation" accesskey="1">Skip site
navigation</a> (1)</span>
```

Skip section navigation (2)

<div id="pgHeaderContainer">

<div id="pgSearch">

<!-- Old pgjdbc form -->

<form action="https://www.google.com/search" method="get">

<input value="jdbc.postgresql.org" name="sitesearch" type="hidden" />

<input id="q" name="q" type="text" size="20" maxlength="255" onfocus="if(this.value==this.defaultValue) this.value=";" value="Google Search" accesskey="s" />

<!-- <input onFocus="getBlank (this, 'Search the site with google');" size="25" name="q" id="query" type="text" value="Search the site with google"> -->

<input name="Search" value="Search" type="submit" />

</form>

<!-- New PostgreSQL form

<form method="get" action="search/">

<div>

<h2 class="pgBlockHide"><label for="q">Search</label></h2>

<input id="q" name="q" type="text" size="20" maxlength="255" onfocus="if(this.value==this.defaultValue) this.value=";" value="Search" accesskey="s" />

<input name="a" type="hidden" value="1"/>

<input id="submit" name="submit" type="submit" value="Search" />

</div>

</form>

-->

</div> <!-- pgSearch -->

<div id="pgHeader">

<div id="pgHeaderLogoLeft">

<map name="maplinks">

<area shape="rect" coords="0,0,231,80" alt="PostgreSQL" href="https://postgresql.org" />

<area shape="rect" coords="232,0,390,80" alt="PostgreSQL JDBC Driver" href="https://jdbc.postgresql.org" />

/>

</map>

</div>

<div id="pgHeaderLogoRight">

</div>

```

</div> <!-- pgHeader -->

<div id="pgTopNav">
  <div id="pgTopNavLeft">
    
  </div>
  <div id="pgTopNavRight">
    
  </div>
  <ul id="pgTopNavList">
    <li><a href="../index.html" title="Home">Home</a></li>
    <li><a href="../about/about.html" title="About">About</a></li>
    <li><a href="../download.html" title="Download">Download</a></li>
    <li><a href="../documentation/documentation.html" title="Documentation">Documentation</a></li>
    <li><a href="../community/community.html" title="Community">Community</a></li>
    <li><a
href="../development/development.html" title="Development">Development</a></li>
  </ul>
</div> <!-- pgTopNav -->
</div> <!-- pgHeaderContainer -->

<div id="pgContent">
  <div id="pgSideWrap">
    <div id="pgSideNav">
      <ul>
        <li><a href="about.html">About</a></li>
        <li><a href="license.html">License</a></li>
        <li><a href="extras.html">Extras</a></li>
      </ul>
    </div> <!-- pgSideNav -->
  </div> <!-- pgSideWrap -->

  <div id="pgContentWrap">
    <h1>BSD 2-clause "Simplified" License</h1>
    <p>
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      though, it's only half a page.
    </p>
    <hr />

    <pre style="font-family: monospace,'Courier'; background-color:
#f9f9f9; padding: 1em; border: 1px solid #ddd">
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```

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```
</div> <!-- pgContentWrap -->

<br class="pgClearBoth" />
</div> <!-- pgContent -->
<hr />

<div id="pgFooter">
  <a class="navFooter" href="https://www.postgresql.org/about/privacypolicy">Privacy Policy</a> |
  <a class="navFooter" href="https://www.postgresql.org/about/">About PostgreSQL</a><br/>
  Copyright &copy; 1996-2020 The PostgreSQL Global Development Group
</div> <!-- pgFooter -->
</div> <!-- pgContainer -->
</div> <!-- pgContainerWrap -->
</body>
</html>
```

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1.231 dojo 1.17.0

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special

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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.>
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`Gnomovision' (which makes passes at compilers) written by James Hacker.

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

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Version 2, June 1991

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[This is the first released version of the library GPL. It is
numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

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

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

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

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

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

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

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

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

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

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

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

therefore falls outside the scope of this License.

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

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

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

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

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

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

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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!

1.235 alsa 1.2.6.1-3.el8

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1.243 libsolv 0.7.20-1.el8

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1.244 shadow-utils 4.6-16.el8

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```
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1.248 cryptsetup 2.3.7-2.el8

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

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

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

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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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1.249 libseccomp 2.5.2-1.el8

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1.250 virt-what 1.18-13.el8

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1.253 libssh 0.9.6-3.el8

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1.254 python-pip 9.0.3-22.el8

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1.255 passwd 0.80-4.el8

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

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

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

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Release	Derived from	Year	Owner	GPL-compatible? (1)

0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
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1.260 librepo 1.14.2-1.el8

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

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

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

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

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

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

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

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

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

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

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

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

- c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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

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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.

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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

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Version 3, 29 June 2007

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

TERMS AND CONDITIONS

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1. Source Code.

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

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

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A

"Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

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

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4 to

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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.

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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.

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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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Upstream-Contact: Doug Ledford <dledford@redhat.com>,

Leon Romanovsky <Leon@kernel.org>

Source: <https://github.com/linux-rdma/rdma-core>

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1.265 gpgme 1.13.1-11.el8

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```
#+TITLE: GPGME Python Bindings HOWTO Examples
#+LATEX_COMPILER: xelatex
#+LATEX_CLASS: article
#+LATEX_CLASS_OPTIONS: [12pt]
#+LATEX_HEADER: \usepackage{xltextra}
#+LATEX_HEADER: \usepackage[margin=1in]{geometry}
#+LATEX_HEADER: \setmainfont[Ligatures={Common}]{Times New Roman}
#+LATEX_HEADER: \author{Ben McGinnes <ben@gnupg.org>}
```

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:END:

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(21:protected-private-key(3:dsa(1:p129:_d8|po3s@!WGUOAXRC\$_[8SN:y|o?2[.pVxn(kOc\Bk0zu&FnK)(1:q21:
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= _SZklI)(1:y128:K:9tA]4SU1 }sG`nZpx/imV^>A;V%?5!!sS{!=-6@|
=d

)(9:protected25:openpgp-s2k3-sha1-aes-cbc((4:sha18:Li7:6452224)16:,kO{,)80:z7OCG/sB48(H9%*ojSO
OGSma`YUs1h<_)(12:protected-at15:20130812T105134)))

cython

;;; gpgme-package.lisp

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;;;

```

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```

```

;;; Conventions:
;;;
;;; gpg-error is used for error handling.
;;;
;;; Standard I/O streams are used for input and output.

```

```

(defpackage #:gpgme
  (:use #:common-lisp #:cffi #:gpg-error)
  (:import-from #:trivial-garbage
    #:finalize)
  (:export #:check-version
    #:*version*
    #:context
    #:protocol
    #:armorp
    #:textmodep
    #:+include-certs-default+
    #:include-certs
    #:keylist-mode
    #:signers
    #:sig-notations
    #:with-context
    #:key-data
    #:get-key
    #:op-encrypt
    #:op-decrypt
    #:op-sign
    #:op-verify
    #:op-import
    #:op-export))
\input texinfo @c -*- texinfo -*-
@c %**start of header

```

@setfilename index.info
@settitle GNU Privacy Guard (GnuPG) Made Easy Python Bindings
@documentencoding utf-8
@documentlanguage en
@c %**end of header

@finalout
@titlepage
@title GNU Privacy Guard (GnuPG) Made Easy Python Bindings
@author Ben McGinnes
@end titlepage

@contents

@ifnottex
@node Top
@top GNU Privacy Guard (GnuPG) Made Easy Python Bindings
@end ifnottex

@menu
* GPGME Python Bindings::

@detailmenu
--- The Detailed Node Listing ---

GPGME Python Bindings

* Contents::

@end detailmenu
@end menu

@node GPGME Python Bindings
@chapter GPGME Python Bindings

@menu
* Contents::
@end menu

@node Contents
@section Contents

@itemize
@item
@uref{short-history, A short history of the project}
@item
@uref{what-is-new, What's New}
@itemize

@item
@uref{maintenance-mode, Maintenance Mode} (from January, 2019)
@end itemize
@item
@uref{what-was-new, What Was New}
@item
@uref{gpgme-python-howto, GPGME Python Bindings HOWTO}
@end
itemize

@bye
2011-12-02 Werner Koch <wk@g10code.com>

NB: ChangeLog files are no longer manually maintained. Starting on December 1st, 2011 we put change information only in the GIT commit log, and generate a top-level ChangeLog file from logs at "make dist". See doc/HACKING for details.

2011-05-12 Marcus Brinkmann <marcus@g10code.com>

- * gpgme.texi (I/O Callback Example): Fix example code.
- * gpgme.texi (Generating Keys): Fix OpenPGP parameters and reference GPG and GPGSM manual.

2010-01-05 Werner Koch <wk@g10code.com>

- * gpgme.texi (Changing Passphrases): New.

2009-07-21 Werner Koch <wk@g10code.com>

- * uiserver.texi (UI Server Encrypt): Add --expect-sign option to PREP_ENCRYPT.

2009-06-16 Marcus Brinkmann <marcus@g10code.de>

- * gpgme.texi (Result Management): New section.

2009-06-16 Werner Koch <wk@g10code.com>

- * gpgme.texi (Exporting Keys): Document gpgme_op_export_keys.
(Importing Keys): Document gpgme_op_import_keys.
(Data Buffer Meta-Data): Document URL encodings.

2009-05-28

Marcus Brinkmann <marcus@g10code.de>

- * gpgme.texi (Library Version Check): Document selftest error.

(Creating Contexts): Likewise.

2009-05-18 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Encrypting a Plaintext): Document
GPGME_ENCRYPT_NO_ENCRYPT_TO.

2009-05-05 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Engine Information): Replace path by file_name.

2008-11-28 Werner Koch <wk@g10code.com>

* gpgme.texi (Listing Keys): Change description of the return
value to match the code. Spotted by Colin Leroy.

2008-10-15 Werner Koch <wk@g10code.com>

* uiserver.texi (Miscellaneous UI Server Commands): Add option
--protocol to the SENDER command.

2008-07-17 Werner Koch <wk@g10code.com>

* module-overview.sk: New.

2008-07-04 Werner Koch <wk@g10code.com>

* gpgme.texi (Algorithms): Add a hint on symmetric only encryption.

2008-06-27 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Cancellation): Document gpgme_cancel_async.

2008-06-25

Werner Koch <wk@g10code.com>

* gpgme.texi (Listing Keys): Updated example to the current API.
Noted by Nico Schottelius.

2008-06-05 Werner Koch <wk@g10code.com>

* uiserver.texi (Miscellaneous UI Server Commands): Describe
START_CONFDIALOG.

2008-06-04 Werner Koch <wk@g10code.com>

* gpgme.texi: Use @copying command. Change license to
GPLv3. Include protocol specs from GpgOL and GPGEEx. Minor

cleanups.

2008-03-11 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (File Based Data Buffers): Document the need for blocking operations.
(Callback Based Data Buffers): Likewise.

2008-03-05 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Library Version Check): Rename snippet function to init_gpgme.
(I/O Callback Example): Call it here.

2008-01-28 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi: Document that data encoding affects some output data objects now.

2007-09-27 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Protocols and Engines):
Document GPGME_PROTOCOL_UNKNOWN.

2007-09-11 Werner Koch <wk@g10code.com>

* gpgme.texi (I/O Callback Example): Typo fix.

2007-08-07 Werner Koch <wk@g10code.com>

* gpgme.texi (Verify): Describe chain_model.

2007-07-12 Werner Koch <wk@g10code.com>

* gpgme.texi (Library Version Check): Add remark that the socket layer will get initialized.

2007-06-05 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Advanced Key Editing): New section.

2007-05-21 Werner Koch <wk@g10code.com>

* Makefile.am (online): New target.

2007-05-18 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Error Strings): Fix documentation of

gpgme_strerror_r.

2006-11-01 Moritz Schulte <moritz@g10code.com>

* gpgme.texi (Data Buffer I/O Operations): Fixed entry for gpgme_data_seek: OFFSET is not a pointer; some s/whence/offset/.

2006-09-25 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Destroying Data Buffers): Clarify that gpgme_data_release_and_get_mem destroys DH unconditionally.

2005-03-24

Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Library Version Check): Make example code compatible to W32 systems.

2006-06-21 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Passphrase Callback): Fix inverted condition in description.

2005-12-20 Werner Koch <wk@g10code.com>

* gpgme.texi (Verify): Document pka_trust.

2005-12-06 Werner Koch <wk@g10code.com>

* gpgme.texi (Key Management): Updated to match the fixes for subkey fingerprints and theg secret flag.

2005-10-06 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Destroying Data Buffers): Document gpgme_free.

2005-10-02 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Key Management): Add the new member notations of gpgme_sig_key_t.
(Key Listing Mode): Document GPGME_KEYLIST_MODE_SIG_NOTATIONS.

2005-10-01 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi: Enclose all return parameters of deftypefuns in curly brackets.

* gpgme.texi (Signature Notation Data): New

section.

(Verify): Added more about the notation data structure.

2005-09-30 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Data Buffer I/O Operations, Data Buffer Meta-Data):
New subsections.

* gpgme.texi: Replace plaintext_filename with file_name.

* gpgme.texi (Key Management): Document is_qualified.

2005-07-27 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Decrypt): Add plaintext_filename to
gpgme_decrypt_result_t.
(Verify): Likewise for gpgme_verify_result_t.

2005-06-03 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Verify): Add information about new fields in
gpgme_signature_t.

* gpgme.texi (Decrypt): Add gpgme_recipient_t.

2005-05-28 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Key Listing Mode): Fix return type of
gpgme_set_keylist_mode.
Reported by "Sergio" <ml_sergico@virgilio.it>.

2005-04-28 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Included Certificates): Document
GPGME_INCLUDE_CERTS_DEFAULT.

2005-01-12 Marcus
Brinkmann <marcus@g10code.de>

* gpgme.texi (Engine Configuration): New section.
(Crypto Engine): New subsection.

2004-12-07 Marcus Brinkmann <marcus@g10code.de>

* lesser.texi (Library Copying): Change from @appendixsec to
@appendix.

* gpgme.texi (Features): Change reference to GPL to one to LGPL.

- * Makefile.am: Change license to LGPL.
- (gpgme_TEXINFOS): Replace gpl.texi with lesser.texi.
- * gpgme.texi: Change license to LGPL (also for documentation of GPGME's license).
- * lesser.texi: New file.
- * gpl.texi: File removed.
- * gpgme.texi (Creating Contexts): Fix cut&paste error. Reported by Noel Torres <envite@rolamasao.org>.

2004-09-30 Marcus Brinkmann <marcus@g10code.de>

- * Makefile.am (gpgme_TEXINFOS): Remove fdl.texi.
- * gpgme.texi: Do not include fdl.texi. Change license to GPL.
- * fdl.texi: File removed.

2004-09-29 Marcus Brinkmann <marcus@g10code.de>

- * gpgme.texi (Key Management): Change type of keylist_mode in gpgme_key_t to gpgme_keylist_mode_t.

2004-09-28

Marcus Brinkmann <marcus@g10code.de>

- * gpgme.texi (Passphrase Callback): Fix last change.

2004-09-27 Marcus Brinkmann <marcus@g10code.de>

- * gpgme.texi (Passphrase Callback): Document GPG_ERR_NOT_IMPLEMENTED.
- * gpgme.texi: Update copyright year for tex version.

2004-07-29 Moritz Schulte <moritz@g10code.com>

- * gpgme.texi (Verify): Fix gpgme_get_key example (ancient force_update argument was still there).

2004-06-08 Marcus Brinkmann <marcus@g10code.de>

- * gpgme.texi (Listing Keys): Elaborate on the length restrictions on search patterns.
- * gpgme.texi (Decrypt and Verify): Document the NO_DATA error code.
- (Verify): Document the relationship between gpgme_op_verify_result and the decrypt and verify operations.

2004-05-21 Marcus Brinkmann <marcus@g10code.de>

- * gpgme.text (Verify): Document GPG_ERR_CERT_REVOKED status.

- * gpgme.text (Decrypt): Add note about new field wrong_key_usage of gpgme_decrypt_result_t.

- * gpgme.text (Key Management): Add note about new field keylist_mode of gpgme_key_t.

2004-04-29 Marcus Brinkmann <marcus@g10code.de>

- * gpgme.text (Verify): Correct type of member wrong_key_usage.

2004-03-29 Moritz Schulte <moritz@duesseldorf.ccc.de>

- * gpgme.text (Verify): Fix type of gpgme_op_verify_result.

- * gpgme.text (Key Listing Mode): Typo fix.

2004-03-23 Marcus Brinkmann <marcus@g10code.de>

- * gpgme.text (Library Version Check): Fix the instruction when to set the locale.

2004-03-03 Marcus Brinkmann <marcus@g10code.de>

- * gpgme.text (I/O Callback Example Qt): New section by Marc Mutz.

2004-02-24 Marcus Brinkmann <marcus@g10code.de>

- * gpgme.text (cancellation): New section.

2004-02-17 Werner Koch <wk@gnupg.org>

- * gpgme.text (Key Listing Mode): Doc KEYLIST_MODE_VALIDATE.

2004-02-06 Moritz Schulte <mo@g10code.com>

- * gpgme.text: A couple of small fixes regarding the Largfile Support section.

2004-02-01 Marcus Brinkmann <marcus@g10code.de>

- * gpgme.text (Largefile Support): New section.

2004-01-13 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Key Management): Fix exportable field.

2003-12-25 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Key Management): Rename member class in
gpgme_key_sig_t to sig_class.
(Creating a Signature): Likewise for gpgme_signature_t.

2003-12-23 Moritz Schulte <mo@g10code.com>

* gpgme.texi (Listing Keys): Minor clarification for
gpgme_get_key.

2003-10-06 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Signal Handling): New section.

2003-09-14 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Multi Threading): Correct documentation on memory
synchronization requirement.

* gpgme.texi (Locale): New section.
(Multi Threading): Set locale in example.

2003-09-13 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Error Strings): Add gpgme_strerror_r.

2003-09-13 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Multi Threading): Update documentation.

2003-09-03 Marcus Brinkmann <marcus@g10code.de>

*
gpgme.texi (Header): We don't use the assuan namespace anymore.
Document new thread options.

2003-08-14 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Creating a Signature): Change type of member class
to unsigned int.

2003-08-04 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Verify): Get error code from SIG->status in the code for gpgme_get_sig_status.

2003-07-31 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Key Management): Add can_authenticate flag.

* gpgme.texi (Listing Keys): Document GPG_ERR_AMBIGUOUS_NAME for gpgme_get_key.

2003-07-29 Marcus Brinkmann <marcus@g10code.de>

* Makefile.am (EXTRA_DIST): Remove variable.

* gpgme.texi (Encrypting a Plaintext): Bad passphrase is only possible with symmetric encryption, change the wording to reflect that.

* gpgme.texi (Creating a Signature): Document GPG_ERR_UNUSABLE_SECKEY.

* gpgme.texi (Encrypting a Plaintext): Mention encrypt and sign operations in result function.

(Creating a Signature): Likewise.

2003-07-23 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Key Listing Mode): Remove word duplication.

(Listing Keys): Remove mentioning of force argument.

(Verify): Don't mention r_stat. Fix some typos.

(Decrypt and Verify): Correct info how to get the result. Don't mention r_stat.

(Manipulating Data Buffers): Fix documentation of return value.

(Listing Keys): Update examples.

(Decrypt): Result might also be available when operation failed.

(Verify): Result might also be available when operation failed.

All spotted by Stphane Corthsy.

2003-07-22 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Error Sources): Fix cut and paste error.

2003-07-09 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Key Management): Clarify difference between can_sign and can_certify.

(Information About Keys): Likewise for GPGME_ATTR_CAN_SIGN and

GPGME_ATTR_CAN_CERTIFY.

2003-07-08 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Progress
Meter Callback): Change return type of
gpgme_progress_cb_t to void.

2003-06-22 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi: Add 2003 to copyright notice.

* gpgme.texi (Header): Fix name space documentation on
libgpg-error.

2003-06-22 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Multi Threading): Remove reference to
gpgme_recipients_t.

2003-06-06 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Crypto Operations): Rename gpgme_invalid_user_id_t
to gpgme_invalid_key_t.

2003-06-06 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi: Change error codes to GPG_ERR_* variants.
(Error Handling): Rewritten.

2003-05-29 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Exporting Keys): Change and document prototypes.
Add new gpgme_op_export_ext and gpgme_op_export_ext_start
variants.
(Selecting Recipients): Section removed.
(Encrypting a Plaintext): Change prototypes and document the
changes.

2003-05-28 Marcus Brinkmann <marcus@g10code.de>

*
gpgme.texi (Exporting Keys): Change argument type from
gpgme_recipient_t to gpgme_user_id_t.
(Encrypting a Plaintext): Likewise.
(Selecting Recipients): Rewritten.

2003-05-27 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Protocol Selection): Do not use @acronym in @node because that breaks texi2dvi.

* gpgme.texi (Passphrase Callback): Document new prototype.

2003-05-18 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Header): Remove Gpgme as namespace prefix. Add _GPGME to namespace prefix.

* gpgme.texi (Multi Threading): Add note about link order.

2003-05-04 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Listing Keys): Document what happens if key is not found.

* gpgme.texi (Importing Keys): Fix cut and paste error.

2003-04-30 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Encrypting a Plaintext): Remove reference to gpgme_get_op_info.

(Detailed Results): Subsection removed.

* gpgme.texi (Key Listing Mode): Add GPGME_KEYLIST_MODE_SIGS.

(Manipulating

Keys): Add obsolescence note.

(Key Signatures): Likewise.

(Information About Keys): Likewise.

(Key Management): Add new data types GpgmeSubkey, GpgmeKeySig, GpgmeUserID, and all the information about GpgmeKey.

2003-04-29 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Listing Keys): Remove force_update argument from gpgme_get_key.

* gpgme.texi (Trust Item Management): Add data members of GpgmeTrustItem type.

(Information About Trust Items): Add note about obsolescence.

(Manipulating Trust Items): Add gpgme_trust_item_ref and gpgme_trust_item_unref.

2003-04-28 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Verify): Rewritten to take into account new and deprecated functions and data types.

* gpgme.texi (Decrypt): Descript gpgme_op_decrypt_result and GpgmeDecryptResult.

2003-04-27 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Encrypting a Plaintext): Add info about GpgmeEncryptResult and gpgme_op_encrypt_result.

* gpgme.texi
(Creating a Signature): Add info about GpgmeNewSignature, GpgmeSignResult and gpgme_op_sign_result.
(Crypto Operations): Add GpgmeInvalidUserID.
(Algorithms): New chapter.

* gpgme.texi (Deleting Keys): Document GPGME_Ambiguous_Specification.
(Error Values): Remove GPGME_Invalid_Type and GPGME_Invalid_Mode.
Add GPGME_Unknown_Reason, GPGME_Not_Found,
GPGME_Ambiguous_Specification, GPGME_Wrong_Key_Usage,
GPGME_Key_Revoked, GPGME_Key_Expired, GPGME_No_CRL_Known,
GPGME_CRL_Too_Old, GPGME_Policy_Mismatch, GPGME_No_Secret_Key,
GPGME_Key_Not_Trusted, GPGME_Issuer_Missing, GPGME_Chain_Too_Long,
GPGME_Unsupported_Algorithm, GPGME_Sig_Expired,
GPGME_Bad_Signature, GPGME_No_Public_Key.

2003-04-25 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Importing Keys): Change GPGME_IMPORT_PRIVATE to GPGME_IMPORT_SECRET.

* gpgme.texi (Importing Keys): Remove note about gpgme_get_op_info.
(Detailed Results): Remove note about import.

* gpgme.texi (Importing Keys): Add documentation for
GpgmeImportStatus, GpgmeImportResult and gpgme_op_import_result.

* gpgme.texi (Generating Keys): Fix documentation of public and secret arguments.

2003-04-24 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Generating Keys): Document changed gpgme_op_genkey and new gpgme_op_genkey_result function. Document GpgmeGenKeyResult data type.

* gpgme.texi (Error Values): Rename GPGME_No_Passphrase to

GPGME_Bad_Passphrase.

* gpgme.texi (Decrypt): Likewise.

(Decrypt and Verify): Likewise.

(Creating a Signature): Likewise.

(Encrypting a Plaintext): Likewise.

* gpgme.texi (Error Values): Rename GPGME_No_Recipients to

GPGME_No_UserID and GPGME_Invalid_Recipient to

GPGME_Invalid_UserID.

(Encrypting a Plaintext): Likewise.

* gpgme.texi (Error Values): Remove GPGME_Busy and GPGME_No_Request.

(Listing Keys): Likewise.

(Listing Trust Items): Likewise.

2003-02-06 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Cancelling an Operation): Removed.

(Passphrase

Callback): Document new type for GpgmePassphraseCb.

2003-01-30 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Engine Information): Rename member part to

file_name.

* gpgme.texi (Protocols and Engines): Document

gpgme_get_protocol_name.

* gpgme.texi (Engine Information): Rewritten.

2003-01-29 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (I/O Callback Interface): Document new even

GPGME_EVENT_START.

(Waiting For Completion): Document new possible return values.

(I/O Callback Interface): Document return type of GpgmeIOCb.

2003-01-29 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Hooking Up Into Idle Time): Section removed.

2002-12-24 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Verify): Drop R_STAT argument in gpgme_op_verify.

* gpgme.texi (Decrypt and Verify): Likewise for

gpgme_op_decrypt_verify.

2002-12-23 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Information About Keys): Document that GPGME_ATTR_IS_SECRET is not representable as a string anymore.

2002-12-22 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Key Signatures): New section.
(Listing Keys): Add gpgme_get_key.

2002-12-06 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Memory Based Data Buffers): New subsection.
(File Based Data Buffers): Likewise.
(Callback Based Data Buffers): Likewise.
(Manipulating Data Buffers): Update interfaces. Add gpgme_data_seek.
* gpgme.texi (Engine Version Check): Remove gpgme_check_engine.

2002-11-21 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Verify): Document the new interface.

2002-11-19 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Generating Keys): Document new argument to gpgme_op_genkey.

2002-11-05 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Verify): Fix prototype of gpgme_get_sig_key.
Reported by Miguel Coca <e970095@zipi.fi.upm.es>.

2002-08-30 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Selecting Signers): Fix reference count.

2002-08-21

Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Header): Document name space.

2002-08-20 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Importing Keys): Document gpgme_op_import_ext.

* gpgme.texi (Importing Keys): Undocument EOF.

2002-08-14 Werner Koch <wk@gnupg.org>

* gpgme.texi (Information About Keys): Changed GPGME_ATTR_TYPE.

2002-07-25 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Deleting Keys): Say that secret keys might not be deleted.

2002-07-25 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Information About Keys): Document (badly) the new key attributes.

* gpgme.texi (Manipulating Data Buffers): Mention that backend tries to detect encoding automatically.

2002-07-03 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Run Control): Update this section.
(Waiting For Completion): Likewise for this subsection.
(Cancelling an Operation): Likewise for this subsection.
(Using External Event Loops): New subsection with several subsubsections.

2002-06-28

Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Multi Threading): Remove item about the need to synchronize anything against gpgme_wait (except gpgme_wait itself).

2002-06-27 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Information About Keys): Fix documentation for IDX.
(Information About Trust Items): Likewise.

2002-06-26 Werner Koch <wk@gnupg.org>

* gpgme.texi (Importing Keys): Document the return value -1 of gpgme_op_import.

2002-06-20 Werner Koch <wk@gnupg.org>

* gpgme.texi (Verify): Explain the new whatidx variable.

2002-06-10 Werner Koch <wk@gnupg.org>

* gpgme.texi (Verify): Document attribute GPGME_ATTR_ERRTOK.

2002-06-04 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Multi Threading): Document new autodetection.

2002-06-04 Marcus Brinkmann <marcus@g10code.de>

* Makefile.am (DISTCLEANFILES): New variable.

2002-05-26 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi: Some typographical corrections throughout.

2002-05-09 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Using Automake): New section.

2002-05-09 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Multi Threading): Escape { and }.

2002-05-09 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Overview): Replace note about thread-safeness.
(Multi Threading): New section.

2002-05-03 Werner Koch <wk@gnupg.org>

* gpgme.texi (Manipulating Data Buffers): Changed some data types to void*.
(Protocol Selection): Added gpgme_get_protocol.
(Verify): Updated to include the new attribute functions and status codes.

2002-04-27 Werner Koch <wk@gnupg.org>

* gpgme.texi (Manipulating Data Buffers): New type GpgmeDataEncoding.

2002-04-23 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Passphrase Callback): Document that either return argument can be NULL.
(Progress Meter Callback): Likewise.

2002-04-22 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Passphrase Callback): Fix small typo. Document the new function gpgme_get_passphrase_cb. (Progress Meter Callback): Document the new function gpgme_get_progress_cb.

2002-04-16 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Creating a Signature): Fix function name. Reported by Wichert Ackerman <wichert@debian.org>.

2002-03-29 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (direntry): End index entry with a full stop. Patch submitted by Jose Carlos Garcia Sogo <jsogo@debian.org>.

2002-03-17 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Detailed Results): Fix syntax error in last change.

2002-03-08 Werner Koch <wk@gnupg.org>

* gpgme.texi (Detailed Results): Import does also return info.

2002-03-06 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Encrypting a Plaintext): Document symmetric encryption.

2002-03-06 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Error Strings): Add example.

* gpgme.texi (Listing Keys): Likewise.

2002-03-03 Marcus Brinkmann <marcus@g10code.de>

*

gpgme.texi (Information About Keys): Document GPGME_ATTR_EXPIRE.

2002-03-03 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Verify): Document verification of normal and cleartext signatures.

2002-02-27 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Listing Keys): Document gpgme_op_keylist_ext_start.

2002-02-27 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Encrypting a Plaintext): Document
GPGME_Invalid_Recipients.
(Error Values): Likewise.

2002-02-26 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Encrypting a Plaintext): Document
gpgme_op_encrypt_sign and gpgme_op_encrypt_sign_start.

2002-02-25 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Creating a Signature): Add a note about
certificates to include.
(Included Certificates): New section.

2002-02-09 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Detailed Results): Remove literal tags.
(Generating Keys): Update documentation.

* gpgme.texi (Generating Keys):
Fix syntax error.

2002-02-06 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Waiting For Completion): Adjust doc to changes in
the code.

2002-02-06 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Key Listing Mode): Update documentation.

2002-01-31 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Generating Keys): Document error at creation
failure.

2002-01-30 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Deleting Keys): Document new error values.

2002-01-30 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Importing Keys): Add reference to gpgme_get_op_info.

2002-01-30 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi: Some spell checking.

2002-01-30 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi: Add all the gpgme_op_*_start functions.
Fill the concept index with many, many entries.

2002-01-29 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Run Control): New section.
(Verify): Document gpgme_get_notation.
(More Information):
New section describing gpgme_get_op_info.

2002-01-22 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Passphrase callback): Change GpgmePassphraseCb's
R_HD type from void* to void**.

2002-01-22 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Creating data buffers): Change
gpgme_data_new_from_filepart's LENGTH type from off_t to size_t.

2002-01-22 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi (Generating keys): New subsection.
(Exporting keys): Likewise.
(Importing keys): Likewise.
(Deleting keys): Likewise.

2002-01-16 Marcus Brinkmann <marcus@g10code.de>

* gpgme.texi: g10Code -> g10 Code

* gpgme.texi (Top): Complete detailmenu.

* gpgme.texi: Convert embarrassing cruft to the real thing.

2002-01-16 Marcus Brinkmann <marcus@g10code.de>

* ChangeLog: New file.
* gpgme.texi: Likewise.
* gpl.texi: Likewise.
* fdl.texi: Likewise.
* Makefile.am (info_TEXINFOS): New variable.

(gpgme_TEXINFOS): Likewise.

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(21:protected-private-key(3:elg(1:p129:|B36I(s7}+ZJ/pvE;"tg7N ca"Gxvnyu&bB#h'7=89&oG
R<hO)(1:g1:)(1:y128:Ji]WU_UP}AQ\YMhAl|2e{ _tcMNDg][QnWsK 4pY{\$bDCs)(9:protected25:openpgp-s2k3-
sha1-aes-cbc((4:sha18:JcE7:6452224)16: i[Q*vK)192:FJA!O!ZAF
biJ&Tsb!t
&9@R\~V+x>?sedDz-W(yqf?u^e?s1saV8<T0:tC5%ZMh?\$|,y_e[1D)(12:protected-at15:20130812T105135)))
(private-key
(oid.1.2.840.113549.1.1.1
(n
#00e0ce96f90b6c9e02f3922beada93fe50a875eac6bcc18bb9a9cf2e84965caa2d1ff95a7f542465c6c0c19d276e4526ce
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40464baf79827e03a36e70b814938eebdc63e964247be75dc58b014b7ea251#)
(e #010001#)
(d
#046129F2489D71579BE0A75FE029BD6CDB574EBF57EA8A5B0FDA942CAB943B117D7BB95E5D28875E0F
9FC5FCC06A72F6D502464DABDED78EF6B716177B83D5BDC543DC5D3FED932E59F5897E92E6F58A0F334
24106A3B6FA2CBF877510E4AC21C3EE47851E97D12996222AC3566D4CCB0B83D164074ABF7DE655FC244
6DA1781#)
(p
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(q
#00f7a7ca5367c661f8e62df34f0d05c10c88e5492348dd7bddc942c9a8f369f935a07785d2db805215ed786e4285df16
58eed3ce84f469b81b50d358407b4ad361#)
(u
#304559a9ead56d2309d203811a641bb1a09626bc8eb36fffa23c968ec5bd891eebbafc73ae666e01ba7c8990bae06cc2
bbe10b75e69fcacb353a6473079d8e9b#)
)
)
libgpgme.vers - List of symbols to export.
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```
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```

```
#-----
# Please remember to add new functions also to gpgme.def
#-----
```

```
GPGME_1.1 {
global:
    gpgme_set_engine_info;

    gpgme_ctx_get_engine_info;
    gpgme_ctx_set_engine_info;

    gpgme_data_set_file_name;
    gpgme_data_get_file_name;
    gpgme_data_identify;

    gpgme_sig_notation_clear;
    gpgme_sig_notation_add;
    gpgme_sig_notation_get;

    gpgme_free;

    gpgme_op_getauditlog_start;
    gpgme_op_getauditlog;

    gpgme_conf_release;
    gpgme_conf_arg_new;
    gpgme_conf_arg_release;
    gpgme_conf_opt_change;
    gpgme_op_conf_load;
    gpgme_op_conf_save;
    gpgme_op_conf_dir;

    gpgme_cancel_async;

    gpgme_op_assuan_result;
    gpgme_op_assuan_transact;
    gpgme_op_assuan_transact_start;
```

gpgme_check_version_internal;

gpgme_io_read;
gpgme_io_write;

gpgme_result_ref;
gpgme_result_unref;

gpgme_op_import_keys;
gpgme_op_import_keys_start;
gpgme_op_export_keys;
gpgme_op_export_keys_start;

gpgme_op_assuan_transact_ext;

gpgme_wait_ext;

gpgme_op_vfs_mount_result;
gpgme_op_vfs_mount;
gpgme_op_vfs_create;

gpgme_key_from_uid;
gpgme_set_sub_protocol;
gpgme_get_sub_protocol;

gpgme_op_passwd_start;
gpgme_op_passwd;

gpgme_set_global_flag;

gpgme_io_writen;

gpgme_set_pinentry_mode;
gpgme_get_pinentry_mode;

gpgme_get_dirinfo;

gpgme_op_spawn_start;
gpgme_op_spawn;

gpgme_set_offline;
gpgme_get_offline;

gpgme_set_status_cb;
gpgme_get_status_cb;

gpgme_pubkey_algo_string;

```

gpgme_set_ctx_flag;
gpgme_get_ctx_flag;
gpgme_data_set_flag;

gpgme_op_createkey_start;
gpgme_op_createkey;
gpgme_op_createsubkey_start;
gpgme_op_createsubkey;
gpgme_op_adduid_start;
gpgme_op_adduid;
gpgme_op_revuid_start;
gpgme_op_revuid;
gpgme_op_keysign_start;
gpgme_op_keysign;
gpgme_op_tofu_policy_start;
gpgme_op_tofu_policy;
gpgme_op_interact_start;
gpgme_op_interact;

gpgme_addrspec_from_uid;

gpgme_set_sender;
gpgme_get_sender;

gpgme_op_query_swdb;
gpgme_op_query_swdb_result;

gpgme_op_set_uid_flag_start;
gpgme_op_set_uid_flag;

gpgme_op_decrypt_ext;
gpgme_op_decrypt_ext_start;

gpgme_data_new_from_estream;

};

```

```

GPGME_1.0 {
global:
gpgme_check_version;
gpgme_get_engine_info;
gpgme_engine_check_version;

gpgme_err_code_from_errno;
gpgme_err_code_to_errno;
gpgme_err_make_from_errno;
gpgme_error_from_errno;

```

gpgme_strerror;
gpgme_strerror_r;
gpgme_strsource;

gpgme_data_get_encoding;
gpgme_data_new;
gpgme_data_new_from_cbs;
gpgme_data_new_from_fd;
gpgme_data_new_from_file;
gpgme_data_new_from_filepart;
gpgme_data_new_from_mem;
gpgme_data_new_from_stream;
gpgme_data_read;
gpgme_data_release;
gpgme_data_release_and_get_mem;
gpgme_data_seek;
gpgme_data_set_encoding;
gpgme_data_write;

gpgme_get_protocol_name;
gpgme_hash_algo_name;
gpgme_pubkey_algo_name;

gpgme_new;
gpgme_get_armor;
gpgme_get_include_certs;
gpgme_get_io_cbs;
gpgme_get_keylist_mode;
gpgme_get_passphrase_cb;
gpgme_get_progress_cb;
gpgme_get_protocol;
gpgme_get_textmode;
gpgme_release;
gpgme_set_armor;
gpgme_set_include_certs;
gpgme_set_io_cbs;
gpgme_set_keylist_mode;
gpgme_set_locale;
gpgme_set_passphrase_cb;
gpgme_set_progress_cb;
gpgme_set_protocol;
gpgme_set_textmode;
gpgme_signers_add;
gpgme_signers_clear;
gpgme_signers_count;
gpgme_signers_enum;

gpgme_key_ref;

gpgme_key_unref;
gpgme_key_release;

gpgme_trust_item_ref;
gpgme_trust_item_unref;

gpgme_cancel;
gpgme_op_card_edit;
gpgme_op_card_edit_start;
gpgme_op_decrypt;
gpgme_op_decrypt_result;
gpgme_op_decrypt_start;
gpgme_op_decrypt_verify;
gpgme_op_decrypt_verify_start;
gpgme_op_delete;
gpgme_op_delete_start;
gpgme_op_delete_ext;
gpgme_op_delete_ext_start;
gpgme_op_edit;
gpgme_op_edit_start;
gpgme_op_encrypt;
gpgme_op_encrypt_start;
gpgme_op_encrypt_ext;
gpgme_op_encrypt_ext_start;
gpgme_op_encrypt_sign;
gpgme_op_encrypt_sign_ext;
gpgme_op_encrypt_sign_start;
gpgme_op_encrypt_sign_ext_start;
gpgme_op_encrypt_result;

gpgme_op_export;
gpgme_op_export_ext;
gpgme_op_export_ext_start;
gpgme_op_export_start;
gpgme_op_genkey;
gpgme_op_genkey_result;
gpgme_op_genkey_start;
gpgme_get_key;
gpgme_op_import;
gpgme_op_import_result;
gpgme_op_import_start;
gpgme_op_keylist_end;
gpgme_op_keylist_ext_start;
gpgme_op_keylist_from_data_start;
gpgme_op_keylist_next;
gpgme_op_keylist_result;
gpgme_op_keylist_start;
gpgme_op_sign;

```

gpgme_op_sign_result;
gpgme_op_sign_start;
gpgme_op_trustlist_end;
gpgme_op_trustlist_next;
gpgme_op_trustlist_start;
gpgme_op_verify;
gpgme_op_verify_result;
gpgme_op_verify_start;
gpgme_wait;

gpgme_data_new_with_read_cb;
gpgme_data_rewind;
gpgme_get_sig_status;
gpgme_get_sig_string_attr;
gpgme_get_sig_ulong_attr;
gpgme_get_sig_key;
gpgme_key_get_string_attr;
gpgme_key_get_ulong_attr;
gpgme_key_sig_get_string_attr;
gpgme_key_sig_get_ulong_attr;
gpgme_op_import_ext;
gpgme_trust_item_get_int_attr;
gpgme_trust_item_get_string_attr;
gpgme_trust_item_release;

gpgme_err_code_from_syserror;
gpgme_err_set_errno;

local:
    *;

};
;;; -*- Mode: lisp -*-

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;;;

```

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;;; 02111-1307, USA.

```
(defpackage #:gpgme-system  
  (:use #:common-lisp #:asdf))
```

```
(in-package #:gpgme-system)
```

```
(defsystem gpgme  
  :description "GnuPG Made Easy."  
  :author "g10 Code GmbH"  
  :version "1.13.1"  
  :licence "GPL"  
  :defsystem-depends-on ("cffi-grovel")  
  :depends-on ("cffi" "gpg-error" "trivial-garbage")  
  :components ((:file "gpgme-package")  
                (:cffi-grovel-file "gpgme-grovel"  
                                     :depends-on ("gpgme-package"))  
                (:file "gpgme")  
                :depends-on ("gpgme-package" "gpgme-grovel"))))
```

-----BEGIN PGP PRIVATE KEY BLOCK-----

lQOYBFrsKEkBCADKw4Wt8J6M/88qD8PO6lSMCxH1cpwH8iK0uPaFFYsJkkXo7kWf
PTAtrV+REqF/o80dvYcdLvRsV21pvncZz/HXLu1yQ18mC3XObrKokbdgrTTKA5XE
BZkNsqyaMMJauT18H4hYkSg62/tTdO1cu/zWv/LFf7Xyn6+uA74ovXCJlO1s0N2c
PSht98QRzPMf2owgVk37JnDNp4gGVDGHxSZOuUwXgYAZYN8SFc+c+3ZrQfY870
+O4j3Mz4p7yD13AwP4buQLBsb/icxekeQCqpRjLH9f7MdEcGXa1x36RcEkHdu+M
yJ392eMgD+dKNfRCtyTPhjZTxvbNELIBYICfABEBAAEAB/wLJ0gyMjs2ffT83wM
5Lzz2yQIwV4t3bblBAujdHTqeN5Zmsm/oakFyjSokULK96Kv0R4ej9eoIgMFvxFk
HRkrngxTrbsNJ7I6QcKYHTPeIj318ykNL6fj0WJUcdPIENukXl5jbqNyk3/4D2y
TTDySyq6jHTgvMH4K4KJUSpglvSJpntTk9RhuFGHAF+sNR9atygdYctAaERMrtSg
LCoSt/AoX5GRMIQjXT9oqQjwSQoZyF4s8HMC8wdTFIE/E0L4IVdHVP8sz2UzNtT
W/evmCA+KVruKjRH/Fhrq4hHkEamW28+j4L6uAyagONP7BONs+S5Oo2zTT9+tV2R
ILTZBADdgLuAgF6C5Lu9jCF6DfFgaT/uafMyQNkEGNlxOHMWHTgLHe475V2eG9gA
amd4yXKyEFKU1PWnvlGuicQSGdzVcwmq61msvXgYD0FK3LP3yWzKnE4X1tzc9Vp
/uHJxKjewCuyt1f5in919v+T8TbUxBYKc0zX/qWtX+10cTx77QQA6leqhToJ95Yc
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Wv/EU3QY/qA3G82mbXYeJ2jNZaTNYo4MylMrt4Mx25x4ke7JlsE8SVrQ+4CrHkqp
OjSIa7fppLrQ78uW980AtN8NNQGrlTsD/A9aoA60IgxY1Q3K2uSyDCyjLknv57ym
ZSBD3/t7m0l6Q6gdbfhnGosT+Hd4y3actqEqzXZHW2VG4dKZ/wRNkxtSm9adU9vs
EHyzxb6mKIh32zAG5TaFT20hC+NK6lsyHr9UE2ZrS6ma2sLxGW2O40hqNsdD+5m
NrqeBc2I/js1PMK0EHRlc3RAZXhbbXBsZS5vcmeJAVQEEwEIAD4WIQTUFzW5Ejb9
uIEjFojAWNe7/DLBQUCWuwoSQIbAwUJA8JnAAULCQgHAgYVCgkICwIEFgIDAQIe
AQIXgAAKCRajAWNe7/DLBf9kB/wOQ/S60HGwFq07W9N01HWULyhHKoMmchL6rfZ6
4oDqLxolPSasz7WAMW1jN4qtWJ0mFzwO83V6kaBe+wF6Kqir6udFSBW9rPcFg6/V
ZXPltT0a6uacIHq6DyQ5iMW4YQWbVY9OR2rNgkYo1JCBR0XdRJYCSX3yB4TWv/eX

nZ37/WjmiTOIZh35rjs+NuU/S5JPDfAp2/k70DevQeBsv+UjVXjWpNTZmPbvDnd9
95uSmC6UY4hzyP84ORYMYn9n1QAR0goxDN6UunOf9Rlp1oMzdxMool/d1MlCxcg2h
3jheuhv7lgUF4KpVHOuEPXQ7UO417E0TYcDZ1J8Nsv87SZeEnQOYBFrsKEkBCADj
oEBHg/QPqZHg8VyoD1xYRAWGxyDJKX/GrSs6yE+x2hk5FoQCajxKa/d4AVxOnJpd
whAfeXeSNaql5Ejgzax+Tdj9BV6vtGVJVv0pO7bgAiZxkA6RHxtNqhpPnPQoXvUz
kzpRgpuL+Nj4yIg7z1ITH6KQH4u5SI9vd+j/8i9Taz67pdZwuJjac8qBuJHjzAo1
bjYctFYUSG5pbmMQyNLySzziNkFa4DajODlt3RuqVGP316Fk+Sy2+60tC/HlX8jg
MyMONfOGBQx6jk8tvAphS/LAqrrNepnagIyLUGKU+L8cB2g1PGGp2biBFWqZbudZ
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qZASIBqxok5x8E28pFh/tYfkYdqRCtdNYZOnxcEoUWh5j6nfWZkEnJ9P/T8GPNk7
pMKnKXmExi05b5uGHD8nU1rSbf/YkvAF0vpbxd4/RDxbbtQhbUwGzusSI+pBLM0w
5TreEB+vRBC2gOvXXOtKLNEa7M9rH2EwbAkP3jOGGwgk6adxbQdBcRxxq4merqhL
YrVz73bCj8TDc0fsNjYlaZZJ++ejfBFYavsF1pvx9z7FNFi8rSXoiB3SBtaWGfhr
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X3lnXRNmhnB3Uewx4i00LQmjsxhJfQiGLpMv0j58tn64s7GqQzGVV1JKcQm992RV
jFOydyjZ+K4LGWEOITG/bZrMEVNGCM+OnQQA/Haz8xN0NFSlq7tyfFc0pkx/TiCX
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lL9w2ksXuaHR3LXud2VcfVTIdXU/7h7u1dD/85+c0+7jlGOBd9cXKxIM6OjpIJz1
l5/1h3C5S0TuxHkEAL/3BGihkhNfv1Xx0rWu0/732usX/nE/A9C26hGu41FUf3fp
0ilonKpKZUEwWt5hWSEFCsrznNvekiO0rxvuu3RVegvzThPNU4Pf4JZtJpRVhvUQ
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ATwEGAEIACYWIQTUFzW5Ejb9uIEjFojAWNe7/DLBQUCWuwoSQIbDAUJA8JnAAAK
CRAjAWNe7/DLBf0pCACPP5hBuUWngu2Hqvg+tNiujsiYzId3MffxEk3CbXeHcJ
5F32NDJ9PYCnra4L8wSv+NZt9gIa8lFwoFSFQCjzH7KE86XcV3MhfdJTNb/+9CR7
Jq3e/4Iy0N5ip7PNYMCyakcAsxvsNCJKrSaDuYe/OAoTXRBtgRWE2uyT315em02L
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9Mmd7bM1+UyPgbPER0iWMeyctYsuOLEUyQKMscDT
=hkUm

-----END

PGP PRIVATE KEY BLOCK-----

#+TITLE: Stuff To Do

#+LATEX_COMPILER: xelatex

#+LATEX_CLASS: article

#+LATEX_CLASS_OPTIONS: [12pt]

#+LATEX_HEADER: \usepackage{xltextra}

#+LATEX_HEADER: \usepackage[margin=1in]{geometry}

#+LATEX_HEADER: \setmainfont[Ligatures={Common}]{Latin Modern Roman}

* Project Task List

:PROPERTIES:

:CUSTOM_ID: task-list

:END:

** DONE Documentation default format

CLOSED: [2018-02-15 Thu 21:29]

:PROPERTIES:

:CUSTOM_ID: todo-docs-default

:END:

Decide on a default file format for documentation. The two main contenders being Org Mode, the default for the GnuPG Project and reStructuredText, the default for Python projects. A third option of DITA XML was considered due to a number of beneficial features it provides.

The decision was made to use Org Mode in order to fully integrate with the rest of the GPGME and GnuPG documentation. It is possible to produce reST versions via Pandoc and DITA XML can be reached through converting to either Markdown or XHTML first.

**** TODO Documentation build systems**

:PROPERTIES:

:CUSTOM_ID: todo-docs-build-systems

:END:

Though Org Mode is being used for the default documentation format, it still needs to end up as usable by end users. So the Org Mode files are used to produce the "source" files used by the two main contenders for documenting the bindings: Texinfo and ReStructuredText/Docutils.

***** TODO Texinfo documentation**

:PROPERTIES:

:CUSTOM_ID: todo-docs-build-texinfo

:END:

Need to add all of Texinfo's ... special systems to make it do its things.

***** TODO ReStructuredText documentation**

:PROPERTIES:

:CUSTOM_ID: todo-docs-build-docutils

:END:

Need to run Sphinx's quick start, add it to the requirements and tweak the index page for the rst files to point to the HOWTO and other files.

It might just be easier to do all that in Org Mode and convert the lot, then the Sphinx bits can be automated.

** STARTED Documentation HOWTO

:PROPERTIES:

:CUSTOM_ID: todo-docs-howto

:END:

- State "STARTED" from "TODO" [2018-03-08 Thu 13:59] \\
Started yesterday.

Write a HOWTO style guide for the current Python bindings.

*** DONE Start python bindings HOWTO

CLOSED: [2018-03-07 Wed 18:14]

:PROPERTIES:

:CUSTOM_ID: howto-start

:END:

*** STARTED Include certain specific instructions in the HOWTO

:PROPERTIES:

:CUSTOM_ID: howto-requests

:END:

Note: moved the S/MIME bits out to their own section of the TODO list and may be served better by separate HOWTO documentation anyway.

- State "STARTED" from "TODO" [2018-03-09 Fri 15:27]

Some functions can be worked out from the handful of examples available, but many more can't and I've already begun receiving requests for certain functions to be explained.

**** DONE Standard scenarios

CLOSED: [2018-03-19 Mon 12:34]

:PROPERTIES:

:CUSTOM_ID: howto-the-basics

:END:

- State "DONE" from "STARTED"

[2018-03-19 Mon 12:34] \\
All four of those are done.

- State "STARTED" from "TODO" [2018-03-09 Fri 15:26] \\
Began with the example code, now to add the text.

What everyone expects: encryption, decryption, signing and verifying.

**** STARTED Key control

:PROPERTIES:

:CUSTOM_ID: howto-key-control

:END:

- State "STARTED" from "TODO" [2018-03-19 Mon 12:35] \\
Generating keys and subkeys are done, but revocation is still to be done.
Generating keys, adding subkeys, revoking subkeys (and keeping
the cert key), adding and revoking UIDs, signing/certifying keys.

**** DONE More key control

CLOSED: [2018-03-19 Mon 12:36]

:PROPERTIES:

:CUSTOM_ID: howto-key-selection

:END:

- State "DONE" from "TODO" [2018-03-19 Mon 12:36] \\
Key selection, searching, matching and counting is done.

Selecting keys to encrypt to or manipulate in other ways (e.g. as
with key
control or the basics).

** TODO Documentation SWIG

:PROPERTIES:

:CUSTOM_ID: todo-docs-swig

:END:

Write documentation for the complete SWIG bindings demonstrating
the correspondence with GPGME itself.

Note: it is likely that this will be more in the nature of
something to be used in conjunction with the existing GPGME
documentation which makes it easier for Python developers to use.

** TODO GUI examples

:PROPERTIES:

:CUSTOM_ID: todo-gui-examples

:END:

Create some examples of using Python bindings in a GUI application
to either match or be similar to the old GTK2 examples available
with PyME.

** TODO Replace SWIG

:PROPERTIES:

:CUSTOM_ID: todo-replace-swig

:END:

Selecting SWIG for this project in 2002 was understandable and effectively the only viable option. The options available now, however, are significantly improved and some of those would resolve a number of existing problems with using SWIG, particularly when running code on both POSIX compliant and Windows platforms.

The long term goal is to replace SWIG by reimplementing the Python bindings using a more suitable means of interfacing with the GPGME C source code.

*** TODO Replacement for SWIG

```
:PROPERTIES:  
:CUSTOM_ID: todo-replace-swig-replacement  
:END:
```

Decide on a replacement for SWIG. Currently CFFI is looking like the most viable candidate, but some additional testing and checks are yet to be completed.

** TODO API for an API

```
:PROPERTIES:  
:CUSTOM_ID: todo-api-squared  
:END:
```

A C API like GPGME is not what most modern developers think of when they hear the term API. Normally they think of something they can interact with like a RESTful web API. Though RESTful is unlikely given the nature of GPGME and the process of encryption, it may be possible to provide a more familiar interface which can be utilised by developers of other languages for which bindings are not available or for which it is too difficult to create proper bindings.

** TODO S/MIME

```
:PROPERTIES:  
:CUSTOM_ID: s-mime  
:END:
```

Eventually add some of this, but the OpenPGP details are far more important at the moment.

* Project Task Details

:PROPERTIES:
:CUSTOM_ID: detailed-tasks
:END:

**** Working examples**

:PROPERTIES:
:CUSTOM_ID: working-examples
:END:

The old GUI examples were unable to be retained since they depended on GTK2 and Python 2's integration with GTK2.

Current GPGME examples so far only include command line tools or basic Python code for use with either Python 2.7 or Python 3.4 and above.

Future GUI examples ought to utilise available GUI modules and libraries supported by Python 3. This may include Qt frameworks, Tkinter, GTK3 or something else entirely.

**** Documentation**

:PROPERTIES:
:CUSTOM_ID: documentation
:END:

The legacy documentation which no longer applies to the Python bindings has been removed.

Current and future documentation will adhere to the GnuPG standard of using Org Mode and not use the reStructuredText (reST) format more commonly associated with Python documentation. The reasons for this are that this project is best served as shipping with the rest of GPGME and the documentation ought to match that. There are also aspects of Org Mode's publishing features which are superior to the defaults of reST, including the capacity to generate fully validating strict XHTML output.

If reST files are required at a later point for future inclusion with other Python packages, then that format can be generated from the .org files with Pandoc before being leveraged by either Docutils, Sphinx or something else.

While there are some advanced typesetting features of reST which are not directly available to Org Mode, more often than not those features are best implemented with either HTML and CSS, with LaTeX to produce a PDF or

via a number of XML solutions. Both reST and
Org Mode have multiple paths by which to achieve all of these.

```
from __future__ import absolute_import
```

```
import cython
```

```
import gpg
```

```
c = gpg.Context()
```

```
seckey = c.keylist(pattern=None, secret=True)
```

```
pubkey = c.keylist(pattern=None, secret=False)
```

```
seclist = list(seckey)
```

```
secnum = len(seclist)
```

```
publist = list(pubkey)
```

```
pubnum = len(publist)
```

```
if cython.compiled is True:
```

```
    cc = "Powered by Cython compiled C code."
```

```
else:
```

```
    cc = "Powered by Python."
```

```
print("""
```

```
    Number of secret keys: {0}
```

```
    Number of public keys: {1}
```

```
{2}
```

```
""").format(secnum, pubnum, cc))
```

```
\input texinfo @c -*- texinfo -*-
```

```
@c %**start of header
```

```
@setfilename maintenance-mode.info
```

```
@settitle Maintenance Mode
```

```
@documentencoding utf-8
```

```
@documentlanguage en
```

```
@c %**end of header
```

```
@finalout
```

```
@titlepage
```

```
@title Maintenance Mode
```

```
@author Ben McGinnes
```

```
@end titlepage
```

```
@contents
```

```
@ifnottex
```

```
@node Top
```

```
@top Maintenance Mode
```

```
@end ifnottex
```

@menu

* Maintenance Mode from 2019::

@detailmenu

--- The Detailed Node Listing ---

Maintenance Mode from 2019

* Maintainer from 2019 onward::

* Using the Python Bindings from 2019 and beyond::

* Documentation formats::

Documentation formats

* Cautionary Notes regarding Sphinx and EPUB::

@end detailmenu

@end menu

@node Maintenance Mode from 2019

@chapter Maintenance Mode from 2019

@multitable {aaaaaaaaaaaaaaaa} {aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa}

@item Version:

@tab 0.0.1

@item GPGME Version:

@tab 1.13.0

@item Author:

@tab Ben McGinnes <ben@@gnupg.org>

@item Author GPG Key:

@tab DB4724E6FA4286C92B4E55C4321E4E2373590E5D

@item Language:

@tab Australian

English, British English

@item xml:lang:

@tab en-AU, en-GB, en

@end multitable

From the beginning of 2019 the Python bindings to GPGME will enter maintenance mode, meaning that new features will not be added and only bug fixes and security fixes will be made. This also means that documentation beyond that existing at the end of 2018 will not be developed further except to correct errors.

Though use of these bindings appears to have been quite well received, there has been no indication of what demand there is, if any for either financial backing of the current Python bindings development or

support contracts with g10code GmbH citing the necessity of including the bindings.

@menu

* Maintainer from 2019 onward::

* Using the Python Bindings from 2019 and beyond::

* Documentation formats::

@end menu

@node Maintainer from 2019 onward

@section Maintainer from 2019 onward

How does this affect the position of GnuPG Python Bindings Maintainer?

Well, I will remain as maintainer of the bindings; but without funding for that position, the amount of time I will be able to dedicate solely to this task will be limited and reduced to volunteered time. As with all volunteered time and effort in free software projects, this will be subject to numerous external imperatives.

@node Using the Python Bindings from 2019 and beyond

@section Using the Python Bindings from 2019 and beyond

For most, if not all, Python developers using these bindings; they will continue to just work the same as they always have. Expansions of GPGME itself are usually handled by SWIG with the existing code and thus bindings are generated properly when the bindings are installed alongside GPGME and when the latter is built from source.

In the rare circumstances where that is not enough to address some new addition to GPGME, then that is a bug and thus subject to the maintenance mode provisions (i.e. it will be fixed following a bug report being raised and your humble author will need to remember where the timesheet template was filed, depending on how many years off such an event is).

All the GPGME functionality will continue to be accessible via the lower level, dynamically generated methods which match the GPGME C documentation. While the more intuitively Pythonic higher level layer already covers the vast majority of functionality people require with key generation, signatures, certifications (key signing), encryption, decryption, verification, validation, trust levels and so on.

Any wanted features lacking in the Python bindings are usually lacking because they are missing from GPGME itself (e.g. revoking keys via the API) and in such cases they are usually deliberately excluded. More

discussion of these issues can be found in the archives of the
@uref{https://lists.gnupg.org/mailman/listinfo/gnupg-devel, gnupg-devel mailing list}.

Any features existing in the dynamically generated layer for which
people want a specific, higher level function included to make it more
Pythonic
(e.g. to avoid needing to learn or memorise cryptographic
mode values or GnuPG status code numbers), would be a feature request
and @emph{not} a bug.

It is still worthwhile requesting it, but the addition of such a
feature would not be guaranteed and provided on a purely volunteer
basis. Expediting such a request would require funding that request.

Those with a commercial interest in expediting such a feature request
already know how to @uref{https://gnupg.org/cgi-bin/procdonate.cgi?mode=preset, expedite it} (use the message
field to state what
feature is being requested).

@node Documentation formats
@section Documentation formats

The documentation has been written in Org mode for GNU Emacs, with
both Texinfo and reStructuredText formats generated from that. The
Texinfo files are intended for use with the rest of the GnuPG
documentation; while the reStructuredText files are intended for use
with Docutils and Sphinx, as with other Python projects.

@menu
* Cautionary Notes
 regarding Sphinx and EPUB::
@end menu

@node Cautionary Notes regarding Sphinx and EPUB
@subsection Cautionary Notes regarding Sphinx and EPUB

Though Python's Docutils in conjunction with Sphinx is capable of
generating some very useful HTML sites, as proven by @uref{https://readthedocs.org/, Read the Docs} and
the @uref{https://docs.python.org/, Python documentation}, there are a number of output formats it does
not handle well. At the top of the list of things it manages to break
so atrociously as to be embarrassing is the @uref{http://idpf.org/epub, EPUB 3} format.

The automatically generated EPUB of the CPython documentation always
contains hundreds of validation errors and even the modest amount of
documentation here @uref{https://files.au.adversary.org.s3.amazonaws.com/crypto/gpgme-
python/rst/epub/GPGMEPythonBindings.epub, produced a file} with approximately thirty
validation errors. As the volume of documentation content increases,
so does the induced errors. Whereas Texinfo

doesn't produce EPUB
output at all, nor does Org-mode.

Should there ever be genuine demand for this format, lodge a
@uref{https://dev.gnupg.org/maniphest/task/edit/form/4/, feature
request} case marked for @uref{https://dev.gnupg.org/p/BenM/, my} attention. The means of generating such
files flawlessly is already available, but is not yet part of the
GnuPG build system. Nor is it integrated with a means of converting
Org mode input files to the relevant base format automatically, as can
already be done when converting Org to reStructuredText or Org to
Texinfo. As a certain amount of work would be required to get it
done, there would need to be clear demand for that work to be done.

@bye

-----BEGIN PGP PUBLIC KEY BLOCK-----

```
mQENBFsMHecBCACqdJgqa+CeNYwPCK+MpOwAV6uFVjDyO2LmOs6+XfDWRBU/Zjtz
8zdYnKsBljkWN4ujV5aiyA7MtEofszzyLEoKU1wiDSchMpw8qmEFDvl9g26MeAV
rTno9D5KodHvEIs8wnrqBs8ix0WLbh6J1Dtt8HQglbN+v3gaRQrgBFe6z2ZYpHHx
ZfOu3iFKlm2WE/NekRkvvFIo3ApGvRhGIYw6JMmugBlo7s5xosJK0I9dkPGIEtt
aF1RkcMj8sWG9vHAXcjlGgFfXSN9YLppydXpkuZGm4+gjLB2a3rbQCZVFnxCyG4O
ybjkP8Jw6Udm89bK2ucYFfjdrnYn/nJqRxeNABEBAAG0I1Rlc3QgTm9Qcm12S2V5
IDxub2JvZHIhZlZlXhhbXBsZS5vcmc+iQFOBBMBCAA4FiEE4Fmh4IZtMa4TEXCITZou
EzBBU9EFAlsMHecCGwMFCwkIBwIGFQoJCAaCBBCAwwECHgECF4AACgkQTZouEzBB
U9F+qwf/SHj4uRnTWgyJ71FBxQDYCBq3jbi6e7hMkRPbJyJdnPIMAb2p0PJjBgjW
0pp4+kDPZans3UDHbma1u/SFI4/y6isJiK94Bk5xp5YliLGNuUceTjgDFe6lBhfQ1
zVWZC/NF3tPgbziLxXQTNt34nS+9dbV/QFDLW0POcN7C0jR/hgkBjMEH2PezWhSj
mL/yLflUYAoxVpXjfC5aPJKqw0tR7m5ibznjCphE+FUMRg8EOmJcg6soeJ5QspU
k2dPN3+Y0zCTNRgAHEI+yIQbM6pio6v2c+UCtT1QhW4xSI38/kcEG8QiM55r1TUy
FcWAY5n5t1nNztMxxse3LqEon3rKiLkBDQRbDB3nAQgAqfAjSjngERTM+ZYOWn0
QF2v2FuEuMe8mhju7Met7SN2zGv1LnhjTNshEa9IABEfjZirE2Tqx4xCWDwDedK4
u1ToFvcnuAMnq2O47Sh+eTysf6WPFtPBWf6ctKY31hFXjgoyDBULBvl43XU/D9C
Mt7nsKDPYHVrrnge/qWPYVcb+cO0sSwNImMcwQSdTQ3VBq7MeNS9ZeBcXi+XCjhN
kjNum2AQqpkHHDQV7871yQ8RIILvZSSfkLb0/SNDU+bGaw2G3lcyKdIfZi2EWWZT
oCbH38l/+LV7nAEe4zFpHwW8X0Dkx2aLgxe6UszDH9L3eGhTLpJhOSiaanG+zZKm
+QARAQABiQE2BBgBCAAgFiEE4Fmh4IZtMa4TEXCITZouEzBBU9EFAlsMHecCGwwA
CgkQTZouEzBBU9H5TQgAolWvIsez/WW8N2tmZEnX0LOFNb+1S4L4X983njwNdoVI
w19pbj+8RIHF/H9kcPGi7jK96gvlykQn3uez/95D2AiRfW5KYdOouFisKgHpv8Ay
BrhclHv11yK+X/0iTD0scYaG7np5162xLkaxSO9hsz2fGv20RKaXCWkI69fWw0BR
XII5pZh2YFei2ZhH/tIMIw65h3w0gtgaZBBdpZTOOW4zvghyN+0MSObqkl1BvUJu
caDFI4d6ZTmP5SY+pZyktZ4bg/vMH5VFxdIKgbLx9uVeTvOupvbAW0TNulYGUBQE
nm+S0zr3W18t64e4sS3oHse8zCqo1iiImpba6F1Oaw==
=y6DD
-----END
PGP PUBLIC KEY BLOCK-----
00~0
*H
0k10 UDE10U
```

Dsseldorf10U

g10 Code GmbH10UAegypten Project10Utest cert 10

011203093638Z

021203093638Z0k10 UDE10U

Dsseldorf10U

g10 Code GmbH10UAegypten Project10Utest cert 100

*H

0l+Pu.\-ZT\$e'nE&h4<}BePm[%j-/-7PcHKi@FKy~npcd\${}K~Q00U37Tq8_eK40U#037Tq8_eK4om0k10 UDE10U

Dsseldorf10U

g10 Code GmbH10UAegypten Project10Utest cert 10U00

*H

l8gD Z

wYL,M'j

pk2pf[L ;Rl}#h\$~O!9;3e\A'v&P^\$'Oc.-TS~A>:fQY<

;;; gpgme.lisp

;;; Copyright (C) 2006 g10 Code GmbH

;;;

;;; This file is part of GPGME-CL.

;;;

;;; GPGME-CL is free software; you can redistribute it and/or modify it

;;; under the terms of the GNU General Public License as published by

;;; the Free Software Foundation; either version 2 of the License, or

;;; (at your option) any later version.

;;;

;;; GPGME-CL is distributed in the hope that it will be useful, but

;;; WITHOUT ANY WARRANTY; without even the implied warranty of

;;; MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU

;;; Lesser General Public License for more details.

;;;

;;; You should have received a copy of the GNU General Public License

;;; along with GPGME; if not, write to the Free Software Foundation,

;;; Inc., 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA.

;;; TODO

;;; Set up the library.

(in-package :gpgme)

(deftype byte-array ()

'(simple-array (unsigned-byte 8) (*)))

(deftype character-array ()

'(simple-array character (*)))

```

;;;
Debugging.

(defvar *debug* nil "If debugging output should be given or not.")

;;; Load the foreign library.

(define-foreign-library libgpgme
  (:unix "libgpgme.so")
  (t (:default "libgpgme")))

(use-foreign-library libgpgme)

;;; System dependencies.

; Access to ERRNO.
(defun ("strerror" c-strerror) :string
  (err :int))

(defun get-errno ()
  *errno*)

(defun set-errno (errno)
  (setf *errno* errno))

(define-condition system-error (error)
  ((errno :initarg :errno :reader system-error-errno))
  (:report (lambda (c stream)
    (format stream "System error: ~A: ~A"
      (system-error-errno c)
      (c-strerror (system-error-errno c)))))
  (:documentation "Signalled when an errno is encountered.))

; Needed to write passphrases.
(defun ("write" c-write) ssize-t
  (fd :int)
  (buffer :string) ; Actually :pointer, but we only need string.
  (size size-t))

(defun system-write (fd buffer size)
  (let ((res (c-write fd buffer size)))
    (when (< res 0) (error 'system-error
      :errno (get-errno)))
    res))

;;;
;;; C Interface Definitions

```

;;;

;;; Data Type Interface

;;; Some new data types used for easier translation.

;;; The number of include certs. Translates to NIL for default.

```
(defctype cert-int-t
  (:wrapper :int
   :from-c translate-cert-int-t-from-foreign
   :to-c translate-cert-int-t-to-foreign))
```

;;; A string that may be NIL to indicate a null pointer.

```
(defctype string-or-nil-t
  (:wrapper :string
   :to-c translate-string-or-nil-t-to-foreign))
```

;;; Some opaque data types used by GPGME.

```
(defctype gpgme-ctx-t
  (:wrapper :pointer
   :to-c translate-gpgme-ctx-t-to-foreign)
  "The GPGME context type.")
```

```
(defctype gpgme-data-t
  (:wrapper :pointer
   :to-c translate-gpgme-data-t-to-foreign)
  "The GPGME data object type.")
```

;;; Wrappers for the libgpg-error library.

```
(defctype gpgme-error-t
  (:wrapper gpg-error::gpg-error-t
   :from-c translate-gpgme-error-t-from-foreign
   :to-c translate-gpgme-error-t-to-foreign)
  "The
  GPGME error type.")
```

```
(defctype gpgme-error-no-signal-t
  (:wrapper gpg-error::gpg-error-t
   :from-c translate-gpgme-error-no-signal-t-from-foreign)
  "The GPGME error type (this version does not signal conditions in translation.)")
```

```
(defctype gpgme-err-code-t gpg-error::gpg-err-code-t
  "The GPGME error code type.")
```

```
(defctype gpgme-err-source-t gpg-error::gpg-err-source-t
  "The GPGME error source type.")
```

```

(defun gpgme-err-make (source code)
  "Construct an error value from an error code and source."
  (gpg-err-make source code))

(defun gpgme-error (code)
  "Construct an error value from an error code."
  (gpgme-err-make :gpg-err-source-gpgme code))

(defun gpgme-err-code (err)
  "Retrieve an error code from the error value ERR."
  (gpg-err-code err))

(defun gpgme-err-source (err)
  "Retrieve an error source from the error value ERR."
  (gpg-err-source err))

(defun gpgme-strerror (err)
  "Return a string containing a description of the error code."
  (gpg-strerror err))

(defun
  gpgme-strsource (err)
  "Return a string containing a description of the error source."
  (gpg-strsource err))

(defun gpgme-err-code-from-errno (err)
  "Retrieve the error code for the system error. If the system error
  is not mapped, :gpg-err-unknown-errno is returned."
  (gpg-err-code-from-errno err))

(defun gpgme-err-code-to-errno (code)
  "Retrieve the system error for the error code. If this is not a
  system error, 0 is returned."
  (gpg-err-code-to-errno code))

(defun gpgme-err-make-from-errno (source err)
  (gpg-err-make-from-errno source err))

(defun gpgme-error-from-errno (err)
  (gpg-error-from-errno err))

;;;

(defcenum gpgme-data-encoding-t
  "The possible encoding mode of gpgme-data-t objects."
  (:none 0)
  (:binary 1)

```

(:base64 2)
(:armor 3)
(:url 4)
(:urlesc 5)
(:url0 6)
(:mime 7))

;;;

(defcenum gpgme-pubkey-algo-t
"Public key algorithms from libgcrypt."
(:rsa 1)
(:rsa-e 2)
(:rsa-s 3)
(:elg-e 16)
(:dsa 17)
(:ecc 18)
(:elg 20)
(:ecdsa 301)
(:ecdh 302)
(:eddsa 303))

(defcenum gpgme-hash-algo-t
"Hash algorithms from libgcrypt."
(:none 0)
(:md5 1)
(:sha1 2)
(:rmd160 3)
(:md2 5)
(:tiger 6)
(:haval 7)
(:sha256 8)
(:sha384 9)
(:sha512 10)
(:sha224 11)
(:md4 301)
(:crc32 302)
(:crc32-rfc1510 303)
(:crc24-rfc2440 304))

;;;

(defcenum gpgme-sig-mode-t
"The available signature modes."
(:none 0)
(:detach 1)
(:clear 2))

;;;

(defcenum gpgme-validity-t

"The available validities for a trust item or key."

(:unknown 0)

(:undefined 1)

(:never 2)

(:marginal 3)

(:full 4)

(:ultimate 5))

;;;

(defcenum gpgme-protocol-t

"The available protocols."

(:openpgp 0)

(:cms 1)

(:gpgconf 2)

(:assuan 3)

(:g13 4)

(:uiserver 5)

(:spawn 6)

(:default 254)

(:unknown 255))

;;;

(defbitfield (gpgme-keylist-mode-t :unsigned-int)

"The available keylist mode flags."

(:local 1)

(:extern 2)

(:sigs 4)

(:sig-notations)

(:with-secret 16)

(:with-tofu 32)

(:ephemeral

128)

(:validate 256))

;;;

(defbitfield (gpgme-sig-notation-flags-t :unsigned-int)

"The available signature notation flags."

(:human-readable 1)

(:critical 2))

(defctype gpgme-sig-notation-t

(:wrapper :pointer


```
:from-c translate-gpgme-sig-notation-t-from-foreign)
"Signature notation pointer type.")
```

```
;; FIXME: Doesn't this depend on endianness?
```

```
(defbitfield (gpgme-sig-notation-bitfield :unsigned-int)
(:human-readable 1)
(:critical 2))
```

```
(defcstruct gpgme-sig-notation
"Signature notations."
(next gpgme-sig-notation-t)
(name :pointer)
(value :pointer)
(name-len :int)
(value-len :int)
(flags gpgme-sig-notation-flags-t)
(bitfield gpgme-sig-notation-bitfield))
```

```
;;;
```

```
(defcenum gpgme-status-code-t
"The possible status codes for the edit operation."
(:eof 0)
(:enter 1)
(:leave 2)
(:abort 3)
(:goodsig 4)
(:badsig 5)
(:errsig 6)
(:badarmor 7)
(:rsa-or-idea 8)
(:keyexpired 9)
(:keyrevoked 10)
(:trust-undefined 11)
(:trust-never
12)
(:trust-marginal 13)
(:trust-fully 14)
(:trust-ultimate 15)
(:shm-info 16)
(:shm-get 17)
(:shm-get-bool 18)
(:shm-get-hidden 19)
(:need-passphrase 20)
(:validsig 21)
(:sig-id 22)
(:enc-to 23)
(:nodata 24))
```

(:bad-passphrase 25)
(:no-pubkey 26)
(:no-seckey 27)
(:need-passphrase-sym 28)
(:decryption-failed 29)
(:decryption-okay 30)
(:missing-passphrase 31)
(:good-passphrase 32)
(:goodmdc 33)
(:badmdc 34)
(:errmdc 35)
(:imported 36)
(:import-ok 37)
(:import-problem 38)
(:import-res 39)
(:file-start 40)
(:file-done 41)
(:file-error 42)
(:begin-decryption 43)
(:end-decryption 44)
(:begin-encryption 45)
(:end-encryption 46)
(:delete-problem 47)
(:get-bool 48)
(:get-line 49)
(:get-hidden 50)
(:got-it 51)
(:progress 52)
(:sig-created 53)
(:session-key 54)
(:notation-name 55)
(:notation-data 56)
(:policy-url 57)
(:begin-stream 58)
(:end-stream 59)
(:key-created 60)
(:userid-hint 61)
(:unexpected
62)
(:inv-recp 63)
(:no-recp 64)
(:already-signed 65)
(:sigexpired 66)
(:expsig 67)
(:expkeysig 68)
(:truncated 69)
(:error 70)
(:newsig 71)

```
(:revkeysig 72)
(:sig-subpacket 73)
(:need-passphrase-pin 74)
(:sc-op-failure 75)
(:sc-op-success 76)
(:cardctrl 77)
(:backup-key-created 78)
(:pka-trust-bad 79)
(:pka-trust-good 80)
(:plaintext 81)
(:inv-sgnr 82)
(:no-sgnr 83)
(:success 84)
(:decryption-info 85)
(:plaintext-length 86)
(:mountpoint 87)
(:pinentry-launched 88)
(:attribute 89)
(:begin-signing 90)
(:key-not-created 91)
(:inquire-maxlen 92)
(:failure 93)
(:key-considered 94)
(:tofu-user 95)
(:tofu-stats 96)
(:tofu-stats-long 97)
(:notation-flags 98)
(:decryption-compliance-mode 99)
(:verification-compliance-mode 100))
```

```
;;;
```

```
(defctype gpgme-engine-info-t
  (:wrapper :pointer
    :from-c translate-gpgme-engine-info-t-to-foreign)
  "The engine information structure pointer type.")
```

```
(defcstruct gpgme-engine-info
  "Engine information."
  (next gpgme-engine-info-t)
  (protocol gpgme-protocol-t)
  (file-name :string)
  (version :string)
  (req-version :string)
  (home-dir :string))
```

```
;;;
```

```
(defctype gpgme-subkey-t
  (:wrapper :pointer
    :from-c translate-gpgme-subkey-t-from-foreign)
  "A subkey from a key.")
```

;; FIXME: Doesn't this depend on endianness?

```
(defbitfield (gpgme-subkey-bitfield :unsigned-int)
  "The subkey bitfield."
  (:revoked 1)
  (:expired 2)
  (:disabled 4)
  (:invalid 8)
  (:can-encrypt 16)
  (:can-sign 32)
  (:can-certify 64)
  (:secret 128)
  (:can-authenticate 256)
  (:is-qualified 512)
  (:is-cardkey 1024)
  (:is-de-vs 2048))
```

```
(defcstruct gpgme-subkey
  "Subkey from a key."
  (next gpgme-subkey-t)
  (bitfield gpgme-subkey-bitfield)
  (pubkey-algo gpgme-pubkey-algo-t)
  (length :unsigned-int)
  (keyid :string)
  (-keyid :char :count 17)
  (fpr :string)
  (timestamp :long)
  (expires :long))
```

```
(defctype gpgme-key-sig-t
  (:wrapper :pointer
    :from-c translate-gpgme-key-sig-t-from-foreign)
  "A signature on a user ID.")
```

;; FIXME: Doesn't this depend on endianness?

```
(defbitfield (gpgme-key-sig-bitfield :unsigned-int)
  "The key signature bitfield."
  (:revoked 1)
  (:expired 2)
  (:invalid 4)
  (:exportable 16))
```

```
(defcstruct gpgme-key-sig
```

```

"A signature on a user ID."
(next gpgme-key-sig-t)
(bitfield gpgme-key-sig-bitfield)
(pubkey-algo gpgme-pubkey-algo-t)
(keyid :string)
(-keyid :char :count 17)
(timestamp :long)
(expires :long)
(status gpgme-error-no-signal-t)
(-class :unsigned-int)
(uid :string)
(name :string)
(email :string)
(comment :string)
(sig-class :unsigned-int))

(defctype gpgme-user-id-t
  (:wrapper :pointer
   :from-c translate-gpgme-user-id-t-from-foreign)
  "A user ID from a key.")

;; FIXME: Doesn't this depend on endianness?
(defbitfield (gpgme-user-id-bitfield :unsigned-int)
  "The user ID bitfield."
  (:revoked 1)
  (:invalid 2))

(defcstruct gpgme-user-id
  "A user ID from a key."
  (next
   gpgme-user-id-t)
  (bitfield gpgme-user-id-bitfield)
  (validity gpgme-validity-t)
  (uid :string)
  (name :string)
  (email :string)
  (comment :string)
  (signatures gpgme-key-sig-t)
  (-last-keysig gpgme-key-sig-t))

(defctype gpgme-key-t
  (:wrapper :pointer
   :from-c translate-gpgme-key-t-from-foreign
   :to-c translate-gpgme-key-t-to-foreign)
  "A key from the keyring.")

```

```

;; FIXME: Doesn't this depend on endianness?
(defbitfield (gpgme-key-bitfield :unsigned-int)
  "The key bitfield."
  (:revoked 1)
  (:expired 2)
  (:disabled 4)
  (:invalid 8)
  (:can-encrypt 16)
  (:can-sign 32)
  (:can-certify 64)
  (:secret 128)
  (:can-authenticate 256)
  (:is-qualified 512))

(defcstruct gpgme-key
  "A signature on a user ID."
  (-refs :unsigned-int)
  (bitfield gpgme-key-bitfield)
  (protocol gpgme-protocol-t)
  (issuer-serial :string)
  (issuer-name :string)
  (chain-id :string)
  (owner-trust gpgme-validity-t)
  (subkeys gpgme-subkey-t)
  (uids gpgme-user-id-t)
  (-last-subkey gpgme-subkey-t)
  (-last-uid gpgme-user-id-t)
  (keylist-mode gpgme-keylist-mode-t))

;;;

;;; There is no support in CFFI to define callback C types and have
;;; automatic type checking with the callback definition.

(defctype gpgme-passphrase-cb-t :pointer)

(defctype gpgme-progress-cb-t :pointer)

(defctype gpgme-edit-cb-t :pointer)

;;;
;;; Function Interface
;;;

;;; Context management functions.

(defcfun ("gpgme_new" c-gpgme-new) gpgme-error-t

```

```

(ctx :pointer))

(defcfun ("gpgme_release" c-gpgme-release) :void
  (ctx gpgme-ctx-t))

(defcfun ("gpgme_set_protocol" c-gpgme-set-protocol) gpgme-error-t
  (ctx gpgme-ctx-t)
  (proto gpgme-protocol-t))

(defcfun ("gpgme_get_protocol" c-gpgme-get-protocol) gpgme-protocol-t
  (ctx gpgme-ctx-t))

(defcfun ("gpgme_get_protocol_name" c-gpgme-get-protocol-name) :string
  (proto gpgme-protocol-t))

(defcfun ("gpgme_set_armor" c-gpgme-set-armor) :void
  (ctx gpgme-ctx-t)
  (yes :boolean))

(defcfun ("gpgme_get_armor" c-gpgme-get-armor) :boolean
  (ctx gpgme-ctx-t))

(defcfun ("gpgme_set_textmode" c-gpgme-set-textmode) :void
  (ctx gpgme-ctx-t)
  (yes :boolean))

(defcfun ("gpgme_get_textmode" c-gpgme-get-textmode) :boolean
  (ctx gpgme-ctx-t))

(defconstant +include-certs-default+ -256)

(defcfun ("gpgme_set_include_certs" c-gpgme-set-include-certs) :void
  (ctx gpgme-ctx-t)
  (nr-of-certs cert-int-t))

(defcfun ("gpgme_get_include_certs" c-gpgme-get-include-certs) cert-int-t
  (ctx gpgme-ctx-t))

(defcfun ("gpgme_set_keylist_mode" c-gpgme-set-keylist-mode) gpgme-error-t
  (ctx gpgme-ctx-t)
  (mode gpgme-keylist-mode-t))

(defcfun ("gpgme_get_keylist_mode" c-gpgme-get-keylist-mode)
  gpgme-keylist-mode-t
  (ctx gpgme-ctx-t))

(defcfun ("gpgme_set_passphrase_cb" c-gpgme-set-passphrase-cb) :void
  (ctx gpgme-ctx-t)

```

```

(cb gpgme-passphrase-cb-t)
(hook-value :pointer))

(defcfun ("gpgme_get_passphrase_cb" c-gpgme-get-passphrase-cb) :void
  (ctx gpgme-ctx-t)
  (cb-p :pointer)
  (hook-value-p :pointer))

(defcfun ("gpgme_set_progress_cb"
  c-gpgme-set-progress-cb) :void
  (ctx gpgme-ctx-t)
  (cb gpgme-progress-cb-t)
  (hook-value :pointer))

(defcfun ("gpgme_get_progress_cb" c-gpgme-get-progress-cb) :void
  (ctx gpgme-ctx-t)
  (cb-p :pointer)
  (hook-value-p :pointer))

(defcfun ("gpgme_set_locale" c-gpgme-set-locale) gpgme-error-t
  (ctx gpgme-ctx-t)
  (category :int)
  (value string-or-nil-t))

(defcfun ("gpgme_ctx_get_engine_info" c-gpgme-ctx-get-engine-info)
  gpgme-engine-info-t
  (ctx gpgme-ctx-t))

(defcfun ("gpgme_ctx_set_engine_info" c-gpgme-ctx-set-engine-info)
  gpgme-error-t
  (ctx gpgme-ctx-t)
  (proto gpgme-protocol-t)
  (file-name string-or-nil-t)
  (home-dir string-or-nil-t))

;;;

(defcfun ("gpgme_pubkey_algo_name" c-gpgme-pubkey-algo-name) :string
  (algo gpgme-pubkey-algo-t))

(defcfun ("gpgme_hash_algo_name" c-gpgme-hash-algo-name) :string
  (algo gpgme-hash-algo-t))

;;;

(defcfun ("gpgme_signers_clear" c-gpgme-signers-clear) :void
  (ctx gpgme-ctx-t))

```



```

(defcfun ("gpgme_signers_add" c-gpgme-signers-add)
  gpgme-error-t
  (ctx gpgme-ctx-t)
  (key gpgme-key-t))

(defcfun ("gpgme_signers_enum" c-gpgme-signers-enum) gpgme-key-t
  (ctx gpgme-ctx-t)
  (seq :int))

;;;

(defcfun ("gpgme_sig_notation_clear" c-gpgme-sig-notation-clear) :void
  (ctx gpgme-ctx-t))

(defcfun ("gpgme_sig_notation_add" c-gpgme-sig-notation-add) gpgme-error-t
  (ctx gpgme-ctx-t)
  (name :string)
  (value string-or-nil-t)
  (flags gpgme-sig-notation-flags-t))

(defcfun ("gpgme_sig_notation_get" c-gpgme-sig-notation-get)
  gpgme-sig-notation-t
  (ctx gpgme-ctx-t))

;;; Run Control.

;;; There is no support in CFFI to define callback C types and have
;;; automatic type checking with the callback definition.

(defctype gpgme-io-cb-t :pointer)

(defctype gpgme-register-io-cb-t :pointer)

(defctype gpgme-remove-io-cb-t :pointer)

(defcenum gpgme-event-io-t
  "The possible events on I/O event callbacks."
  (:start 0)
  (:done 1)
  (:next-key 2)
  (:next-trustitem 3))

(defctype gpgme-event-io-cb-t :pointer)

(defcstruct
  gpgme-io-cbs
  "I/O callbacks."
  (add gpgme-register-io-cb-t)

```

```

(add-priv :pointer)
(remove gpgme-remove-io-cb-t)
(event gpgme-event-io-cb-t)
(event-priv :pointer))

(defctype gpgme-io-cbs-t :pointer)

(defcfun ("gpgme_set_io_cbs" c-gpgme-set-io-cbs) :void
  (ctx gpgme-ctx-t)
  (io-cbs gpgme-io-cbs-t))

(defcfun ("gpgme_get_io_cbs" c-gpgme-get-io-cbs) :void
  (ctx gpgme-ctx-t)
  (io-cbs gpgme-io-cbs-t))

(defcfun ("gpgme_wait" c-gpgme-wait) gpgme-ctx-t
  (ctx gpgme-ctx-t)
  (status-p :pointer)
  (hang :int))

```

;;; Functions to handle data objects.

;;; There is no support in CFFI to define callback C types and have
 ;;; automatic type checking with the callback definition.

```

(defctype gpgme-data-read-cb-t :pointer)
(defctype gpgme-data-write-cb-t :pointer)
(defctype gpgme-data-seek-cb-t :pointer)
(defctype gpgme-data-release-cb-t :pointer)

(defcstruct gpgme-data-cbs
  "Data callbacks."
  (read gpgme-data-read-cb-t)
  (write gpgme-data-write-cb-t)
  (seek gpgme-data-seek-cb-t)
  (release gpgme-data-release-cb-t))

(defctype gpgme-data-cbs-t :pointer
  "Data callbacks pointer.")

(defcfun ("gpgme_data_read" c-gpgme-data-read) ssize-t
  (dh gpgme-data-t)
  (buffer :pointer)
  (size size-t))

(defcfun ("gpgme_data_write" c-gpgme-data-write) ssize-t
  (dh gpgme-data-t)
  (buffer :pointer)

```

```

(size size-t))

(defcfun ("gpgme_data_seek" c-gpgme-data-seek) off-t
  (dh gpgme-data-t)
  (offset off-t)
  (whence :int))

(defcfun ("gpgme_data_new" c-gpgme-data-new) gpgme-error-t
  (dh-p :pointer))

(defcfun ("gpgme_data_release" c-gpgme-data-release) :void
  (dh gpgme-data-t))

(defcfun ("gpgme_data_new_from_mem" c-gpgme-data-new-from-mem) gpgme-error-t
  (dh-p :pointer)
  (buffer :pointer)
  (size size-t)
  (copy :int))

(defcfun ("gpgme_data_release_and_get_mem" c-gpgme-data-release-and-get-mem)
  :pointer
  (dh gpgme-data-t)
  (len-p :pointer))

(defcfun ("gpgme_data_new_from_cbs" c-gpgme-data-new-from-cbs) gpgme-error-t
  (dh-p :pointer)
  (cbs gpgme-data-cbs-t)
  (handle :pointer))

(defcfun ("gpgme_data_new_from_fd" c-gpgme-data-new-from-fd) gpgme-error-t
  (dh-p :pointer)
  (fd :int))

(defcfun ("gpgme_data_new_from_stream" c-gpgme-data-new-from-stream)
  gpgme-error-t
  (dh-p :pointer)
  (stream :pointer))

(defcfun ("gpgme_data_get_encoding" c-gpgme-data-get-encoding)
  gpgme-data-encoding-t
  (dh gpgme-data-t))

(defcfun ("gpgme_data_set_encoding" c-gpgme-data-set-encoding)
  gpgme-error-t
  (dh gpgme-data-t)
  (enc gpgme-data-encoding-t))

(defcfun ("gpgme_data_get_file_name" c-gpgme-data-get-file-name) :string

```

```

(dh gpgme-data-t))

(defcfun ("gpgme_data_set_file_name" c-gpgme-data-set-file-name) gpgme-error-t
  (dh gpgme-data-t)
  (file-name string-or-nil-t))

(defcfun ("gpgme_data_new_from_file" c-gpgme-data-new-from-file) gpgme-error-t
  (dh-p :pointer)
  (fname :string)
  (copy :int))

(defcfun ("gpgme_data_new_from_filepart" c-gpgme-data-new-from-filepart)
  gpgme-error-t
  (dh-p :pointer)
  (fname :string)
  (fp
   :pointer)
  (offset off-t)
  (length size-t))

;;; Key and trust functions.

(defcfun ("gpgme_get_key" c-gpgme-get-key) gpgme-error-t
  (ctx gpgme-ctx-t)
  (fpr :string)
  (key-p :pointer)
  (secret :boolean))

(defcfun ("gpgme_key_ref" c-gpgme-key-ref) :void
  (key gpgme-key-t))

(defcfun ("gpgme_key_unref" c-gpgme-key-unref) :void
  (key gpgme-key-t))

;;; Crypto operations.

(defcfun ("gpgme_cancel" c-gpgme-cancel) gpgme-error-t
  (ctx gpgme-ctx-t))

;;;

(defctype gpgme-invalid-key-t
  (:wrapper :pointer
   :from-c translate-gpgme-invalid-key-t-from-foreign)
  "An invalid key structure.")

(defcstruct gpgme-invalid-key
  "An invalid key structure."

```

```
(next gpgme-invalid-key-t)
(fpr :string)
(reason gpgme-error-no-signal-t))
```

;;; Encryption.

```
(defcstruct gpgme-op-encrypt-result
  "Encryption result structure."
  (invalid-recipients gpgme-invalid-key-t))
```

```
(defctype gpgme-op-encrypt-result-t
  (:wrapper :pointer
    :from-c translate-gpgme-op-encrypt-result-t-from-foreign)
  "An encryption result structure.")
```

```
(defcfun ("gpgme_op_encrypt_result" c-gpgme-op-encrypt-result)
  gpgme-op-encrypt-result-t
  (ctx gpgme-ctx-t))
```

```
(defbitfield gpgme-encrypt-flags-t
  (:always-trust 1)
  (:no-encrypt-to 2)
  (:prepare 4)
  (:expect-sign 8)
  (:no-compress 16)
  (:symmetric 32)
  (:throw-keyids 64)
  (:wrap 128)
  (:want-address 256))
```

```
(defcfun ("gpgme_op_encrypt_start" c-gpgme-op-encrypt-start) gpgme-error-t
  (ctx gpgme-ctx-t)
  (recp :pointer) ; Key array.
  (flags gpgme-encrypt-flags-t)
  (plain gpgme-data-t)
  (cipher gpgme-data-t))
```

```
(defcfun ("gpgme_op_encrypt" c-gpgme-op-encrypt) gpgme-error-t
  (ctx gpgme-ctx-t)
  (recp :pointer) ; Key array.
  (flags gpgme-encrypt-flags-t)
  (plain gpgme-data-t)
  (cipher gpgme-data-t))
```

```
(defcfun ("gpgme_op_encrypt_sign_start" c-gpgme-op-encrypt-sign-start)
  gpgme-error-t
  (ctx gpgme-ctx-t)
  (recp :pointer) ; Key array.
```

```

(flags gpgme-encrypt-flags-t)
(plain gpgme-data-t)
(cipher gpgme-data-t))

(defcfun ("gpgme_op_encrypt_sign"
  c-gpgme-op-encrypt-sign) gpgme-error-t
  (ctx gpgme-ctx-t)
  (recp :pointer) ; Key array.
  (flags gpgme-encrypt-flags-t)
  (plain gpgme-data-t)
  (cipher gpgme-data-t))

;;; Decryption.

(defctype gpgme-recipient-t
  (:wrapper :pointer
   :from-c translate-gpgme-recipient-t-from-foreign)
  "A recipient structure.")

(defcstruct gpgme-recipient
  "Recipient structure."
  (next gpgme-recipient-t)
  (keyid :string)
  (-keyid :char :count 17)
  (pubkey-algo gpgme-pubkey-algo-t)
  (status gpgme-error-no-signal-t))

(defbitfield gpgme-op-decrypt-result-bitfield
  "Decryption result structure bitfield."
  (:wrong-key-usage 1)
  (:is-de-vs 2)
  (:is-mine 4))

(defcstruct gpgme-op-decrypt-result
  "Decryption result structure."
  (unsupported-algorithm :string)
  (bitfield gpgme-op-decrypt-result-bitfield)
  (recipients gpgme-recipient-t)
  (file-name :string))

(defctype gpgme-op-decrypt-result-t
  (:wrapper :pointer
   :from-c translate-gpgme-op-decrypt-result-t-from-foreign)
  "A decryption result structure.")

(defcfun ("gpgme_op_decrypt_result" c-gpgme-op-decrypt-result)
  gpgme-op-decrypt-result-t
  (ctx gpgme-ctx-t))

```

```

(defcfun ("gpgme_op_decrypt_start" c-gpgme-op-decrypt-start) gpgme-error-t
  (ctx gpgme-ctx-t)
  (cipher gpgme-data-t)
  (plain gpgme-data-t))

(defcfun ("gpgme_op_decrypt" c-gpgme-op-decrypt) gpgme-error-t
  (ctx gpgme-ctx-t)
  (cipher gpgme-data-t)
  (plain gpgme-data-t))

(defcfun ("gpgme_op_decrypt_verify_start" c-gpgme-op-decrypt-verify-start)
  gpgme-error-t
  (ctx gpgme-ctx-t)
  (cipher gpgme-data-t)
  (plain gpgme-data-t))

(defcfun ("gpgme_op_decrypt_verify" c-gpgme-op-decrypt-verify) gpgme-error-t
  (ctx gpgme-ctx-t)
  (cipher gpgme-data-t)
  (plain gpgme-data-t))

```

;;; Signing.

```

(defctype gpgme-new-signature-t
  (:wrapper :pointer
   :from-c translate-gpgme-new-signature-t-from-foreign)
  "A new signature structure.")

```

```

(defcstruct gpgme-new-signature
  "New signature structure."
  (next gpgme-new-signature-t)
  (type gpgme-sig-mode-t)
  (pubkey-algo gpgme-pubkey-algo-t)
  (hash-algo gpgme-hash-algo-t)
  (-obsolete-class :unsigned-long)
  (timestamp :long)
  (fpr :string)
  (-obsolete-class-2 :unsigned-int)
  (sig-class :unsigned-int))

```

```

(defcstruct gpgme-op-sign-result
  "Signing result structure."
  (invalid-signers gpgme-invalid-key-t)
  (signatures gpgme-new-signature-t))

```

```

(defctype gpgme-op-sign-result-t
  (:wrapper :pointer

```

```

:from-c translate-gpgme-op-sign-result-t-from-foreign)
"A signing result structure.")

(defcfun ("gpgme_op_sign_result" c-gpgme-op-sign-result)
  gpgme-op-sign-result-t
  (ctx gpgme-ctx-t))

(defcfun ("gpgme_op_sign_start" c-gpgme-op-sign-start) gpgme-error-t
  (ctx gpgme-ctx-t)
  (plain gpgme-data-t)
  (sig gpgme-data-t)
  (mode gpgme-sig-mode-t))

(defcfun ("gpgme_op_sign" c-gpgme-op-sign) gpgme-error-t
  (ctx gpgme-ctx-t)
  (plain gpgme-data-t)
  (sig gpgme-data-t)
  (mode gpgme-sig-mode-t))

```

;;; Verify.

```

(defbitfield (gpgme-sigsum-t :unsigned-int)
  "Flags
used for the summary field in a gpgme-signature-t."
  (:valid #x0001)
  (:green #x0002)
  (:red #x0004)
  (:key-revoked #x0010)
  (:key-expired #x0020)
  (:sig-expired #x0040)
  (:key-missing #x0080)
  (:crl-missing #x0100)
  (:crl-too-old #x0200)
  (:bad-policy #x0400)
  (:sys-error #x0800)
  (:tofu-conflict #x1000))

```

```

(defctype gpgme-signature-t
  (:wrapper :pointer
   :from-c translate-gpgme-signature-t-from-foreign)
  "A signature structure.")

```

;; FIXME: Doesn't this depend on endianness?

```

(defbitfield (gpgme-signature-bitfield :unsigned-int)
  "The signature bitfield."
  (:wrong-key-usage 1)
  (:pka-trust 2)
  (:chain-model 4)

```



```
(:is-de-vs 8))
```

```
(defcstruct gpgme-signature
  "Signature structure."
  (next gpgme-signature-t)
  (summary gpgme-sigsum-t)
  (fpr :string)
  (status gpgme-error-no-signal-t)
  (notations gpgme-sig-notation-t)
  (timestamp :unsigned-long)
  (exp-timestamp :unsigned-long)
  (bitfield gpgme-signature-bitfield)
  (validity gpgme-validity-t)
  (validity-reason
   gpgme-error-no-signal-t)
  (pubkey-algo gpgme-pubkey-algo-t)
  (hash-algo gpgme-hash-algo-t))
```

```
(defcstruct gpgme-op-verify-result
  "Verify result structure."
  (signatures gpgme-signature-t)
  (file-name :string))
```

```
(defctype gpgme-op-verify-result-t
  (:wrapper :pointer
   :from-c translate-gpgme-op-verify-result-t-from-foreign)
  "A verify result structure.")
```

```
(defcfun ("gpgme_op_verify_result" c-gpgme-op-verify-result)
  gpgme-op-verify-result-t
  (ctx gpgme-ctx-t))
```

```
(defcfun ("gpgme_op_verify_start" c-gpgme-op-verify-start) gpgme-error-t
  (ctx gpgme-ctx-t)
  (sig gpgme-data-t)
  (signed-text gpgme-data-t)
  (plaintext gpgme-data-t))
```

```
(defcfun ("gpgme_op_verify" c-gpgme-op-verify) gpgme-error-t
  (ctx gpgme-ctx-t)
  (sig gpgme-data-t)
  (signed-text gpgme-data-t)
  (plaintext gpgme-data-t))
```

```
;;; Import.
```

```
(defbitfield (gpgme-import-flags-t :unsigned-int)
  "Flags used for the import status field."
```

```

(:new #x0001)
(:uid #x0002)
(:sig #x0004)
(:subkey #x0008)
(:secret
#x0010))

(defctype gpgme-import-status-t
  (:wrapper :pointer
   :from-c translate-gpgme-import-status-t-from-foreign)
  "An import status structure.")

(defcstruct gpgme-import-status
  "New import status structure."
  (next gpgme-import-status-t)
  (fpr :string)
  (result gpgme-error-no-signal-t)
  (status :unsigned-int))

(defcstruct gpgme-op-import-result
  "Import result structure."
  (considered :int)
  (no-user-id :int)
  (imported :int)
  (imported-rsa :int)
  (unchanged :int)
  (new-user-ids :int)
  (new-sub-keys :int)
  (new-signatures :int)
  (new-revocations :int)
  (secret-read :int)
  (secret-imported :int)
  (secret-unchanged :int)
  (skipped-new-keys :int)
  (not-imported :int)
  (imports gpgme-import-status-t))

(defctype gpgme-op-import-result-t
  (:wrapper :pointer
   :from-c translate-gpgme-op-import-result-t-from-foreign)
  "An import status result structure.")

(defcfun ("gpgme_op_import_result" c-gpgme-op-import-result)
  gpgme-op-import-result-t
  (ctx gpgme-ctx-t))

(defcfun ("gpgme_op_import_start" c-gpgme-op-import-start) gpgme-error-t
  (ctx gpgme-ctx-t))

```

```

(keydata gpgme-data-t))

(defcfun ("gpgme_op_import" c-gpgme-op-import) gpgme-error-t
  (ctx gpgme-ctx-t)
  (keydata gpgme-data-t))

;;; Export.

(defcfun ("gpgme_op_export_start" c-gpgme-op-export-start) gpgme-error-t
  (ctx gpgme-ctx-t)
  (pattern :string)
  (reserved :unsigned-int)
  (keydata gpgme-data-t))

(defcfun ("gpgme_op_export" c-gpgme-op-export) gpgme-error-t
  (ctx gpgme-ctx-t)
  (pattern :string)
  (reserved :unsigned-int)
  (keydata gpgme-data-t))

;;; FIXME: Extended export interfaces require array handling.

;;; Key generation.

(defbitfield (gpgme-genkey-flags-t :unsigned-int)
  "Flags used for the key generation result bitfield."
  (:primary #x0001)
  (:sub #x0002)
  (:uid #x0004))

(defcstruct gpgme-op-genkey-result
  "Key generation result structure."
  (bitfield gpgme-genkey-flags-t)
  (fpr :string))

(defctype gpgme-op-genkey-result-t :pointer
  "A
  key generation result structure.")

(defcfun ("gpgme_op_genkey_result" c-gpgme-op-genkey-result)
  gpgme-op-genkey-result-t
  (ctx gpgme-ctx-t))

(defcfun ("gpgme_op_genkey_start" c-gpgme-op-genkey-start) gpgme-error-t
  (ctx gpgme-ctx-t)
  (parms :string)
  (pubkey gpgme-data-t)
  (seckey gpgme-data-t))

```

```

(defcfun ("gpgme_op_genkey" c-gpgme-op-genkey) gpgme-error-t
  (ctx gpgme-ctx-t)
  (parms :string)
  (pubkey gpgme-data-t)
  (seckey gpgme-data-t))

;;; Key deletion.

(defcfun ("gpgme_op_delete_start" c-gpgme-op-delete-start) gpgme-error-t
  (ctx gpgme-ctx-t)
  (key gpgme-key-t)
  (allow-secret :int))

(defcfun ("gpgme_op_delete" c-gpgme-op-delete) gpgme-error-t
  (ctx gpgme-ctx-t)
  (key gpgme-key-t)
  (allow-secret :int))

;;; FIXME: Add edit interfaces.

;;; Keylist interface.

(defbitfield (gpgme-keylist-flags-t :unsigned-int)
  "Flags used for the key listing result bitfield."
  (:truncated #x0001))

(defcstruct gpgme-op-keylist-result
  "Key listing result structure."
  (bitfield
   gpgme-keylist-flags-t))

(defctype gpgme-op-keylist-result-t :pointer
  "A key listing result structure.")

(defcfun ("gpgme_op_keylist_result" c-gpgme-op-keylist-result)
  gpgme-op-keylist-result-t
  (ctx gpgme-ctx-t))

(defcfun ("gpgme_op_keylist_start" c-gpgme-op-keylist-start) gpgme-error-t
  (ctx gpgme-ctx-t)
  (pattern :string)
  (secret_only :boolean))

;;; FIXME: Extended keylisting requires array handling.

(defcfun ("gpgme_op_keylist_next" c-gpgme-op-keylist-next) gpgme-error-t
  (ctx gpgme-ctx-t)

```

```

(r-key :pointer))

(defcfun ("gpgme_op_keylist_end" c-gpgme-op-keylist-end) gpgme-error-t
  (ctx gpgme-ctx-t))

;;; Various functions.

(defcfun ("gpgme_check_version" c-gpgme-check-version) :string
  (req-version string-or-nil-t))

(defcfun ("gpgme_get_engine_info" c-gpgme-get-engine-info) gpgme-error-t
  (engine-info-p :pointer))

(defcfun ("gpgme_set_engine_info" c-gpgme-set-engine-info) gpgme-error-t
  (proto gpgme-protocol-t)
  (file-name string-or-nil-t)
  (home-dir
   string-or-nil-t))

(defcfun ("gpgme_engine_check_version" c-gpgme-engine-check-version)
  gpgme-error-t
  (proto gpgme-protocol-t))

;;;
;;; L I S P   I N T E R F A C E
;;;

;;;
;;;
;;; Lisp type translators.
;;;

;;; Both directions.

;;; cert-int-t is a helper type that takes care of representing the
;;; default number of certs as NIL.

(defun translate-cert-int-t-from-foreign (value)
  (cond
    ((eql value +include-certs-default+) nil)
    (t value)))

(defun translate-cert-int-t-to-foreign (value)
  (cond
    (value value)
    (t +include-certs-default+)))

;;; string-or-nil-t translates a null pointer to NIL and vice versa.
;;; Translation from foreign null pointer already works as expected.

```

```
(defun translate-string-or-nil-t-to-foreign (value)
  (cond
    (value value)
    (t (null-pointer))))
```

;;; Output only.

;;; These type translators only convert from foreign type, because we
 never use these types in the other direction.

;;; Convert gpgme-engine-info-t linked lists into a
 list of property
 lists. Note that this converter will automatically be invoked
 recursively.
 ;;;
 ;;; FIXME: Should we use a hash table (or struct, or clos) instead of
 property list, as recommended by the Lisp FAQ?

```
(defun translate-gpgme-engine-info-t-from-foreign (value)
  (cond
    ((null-pointer-p value) nil)
    (t (with-foreign-slots
        ((next protocol file-name version req-version home-dir)
         value (:struct gpgme-engine-info))
      (append (list protocol (list
        :file-name file-name
        :version version
        :req-version req-version
        :home-dir home-dir))
        next))))))
```

```
(defun translate-gpgme-invalid-key-t-from-foreign (value)
  (cond
    ((null-pointer-p value) nil)
    (t (with-foreign-slots
        ((next fpr reason)
         value (:struct gpgme-invalid-key))
      (append (list (list :fpr fpr
        :reason reason))
        next))))))
```

```
(defun translate-gpgme-op-encrypt-result-t-from-foreign (value)
  (cond
    ((null-pointer-p value) nil)
    (t (with-foreign-slots
```

```

((invalid-recipients)
 value (:struct gpgme-op-encrypt-result))
(list :encrypt
      (list :invalid-recipients invalid-recipients))))))

(defun translate-gpgme-recipient-t-from-foreign (value)
  (cond
    ((null-pointer-p value) nil)
    (t (with-foreign-slots
         ((next keyid pubkey-algo status)
          value (:struct gpgme-recipient))
         (append (list (list :keyid keyid
                             :pubkey-algo pubkey-algo
                             :status status))
                  next))))))

(defun translate-gpgme-op-decrypt-result-t-from-foreign (value)
  (cond
    ((null-pointer-p value) nil)
    (t (with-foreign-slots
         ((unsupported-algorithm bitfield recipients file-name)
          value (:struct gpgme-op-decrypt-result))
         (list :decrypt (list :unsupported-algorithm unsupported-algorithm
                              :bitfield bitfield
                              :recipients recipients
                              :file-name file-name))))))

(defun translate-gpgme-new-signature-t-from-foreign (value)
  (cond
    ((null-pointer-p value) nil)
    (t (with-foreign-slots
         ((next
          type pubkey-algo hash-algo timestamp fpr sig-class)
          value (:struct gpgme-new-signature))
         (append (list (list :type type
                              :pubkey-algo pubkey-algo
                              :hash-algo hash-algo
                              :timestamp timestamp
                              :fpr fpr
                              :sig-class sig-class))
                  next))))))

(defun translate-gpgme-op-sign-result-t-from-foreign (value)
  (cond
    ((null-pointer-p value) nil)
    (t (with-foreign-slots
         ((invalid-signers signatures)
          value (:struct gpgme-op-sign-result))
         (list :invalid-signers invalid-signers))))))

```

```

(list :sign (list :invalid-signers invalid-signers
  :signatures signatures))))))

(defun translate-gpgme-signature-t-from-foreign (value)
  (cond
    ((null-pointer-p value) nil)
    (t (with-foreign-slots
        ((next summary fpr status notations timestamp
          exp-timestamp bitfield validity validity-reason
          pubkey-algo hash-algo)
         value (:struct gpgme-signature))
      (append (list (list :summary summary
        :fpr fpr
        :status status
        :notations notations
        :timestamp timestamp

        :exp-timestamp exp-timestamp
        :bitfield bitfield
        :validity validity
        :validity-reason validity-reason
        :pubkey-algo pubkey-algo))
        next))))))

(defun translate-gpgme-op-verify-result-t-from-foreign (value)
  (cond
    ((null-pointer-p value) nil)
    (t (with-foreign-slots
        ((signatures file-name)
         value (:struct gpgme-op-verify-result))
      (list :verify (list :signatures signatures
        :file-name file-name))))))

(defun translate-gpgme-import-status-t-from-foreign (value)
  (cond
    ((null-pointer-p value) nil)
    (t (with-foreign-slots
        ((next fpr result status)
         value (:struct gpgme-import-status))
      (append (list (list :fpr fpr
        :result result
        :status status))
        next))))))

(defun translate-gpgme-op-import-result-t-from-foreign (value)
  (cond
    ((null-pointer-p value) nil)
    (t (with-foreign-slots

```



```

((considered no-user-id imported imported-rsa unchanged
new-user-ids new-sub-keys new-signatures
new-revocations
secret-read secret-imported
secret-unchanged skipped-new-keys not-imported
imports)
value (:struct gpgme-op-import-result))
(list :verify (list :considered considered
:no-user-id no-user-id
:imported imported
:imported-rsa imported-rsa
:unchanged unchanged
:new-user-ids new-user-ids
:new-sub-keys new-sub-keys
:new-signatures new-signatures
:new-revocations new-revocations
:secret-read secret-read
:secret-imported secret-imported
:secret-unchanged secret-unchanged
:skipped-new-keys skipped-new-keys
:not-imported not-imported
:imports imports))))))

;;; Error handling.

;;; Use gpgme-error-no-signal-t to suppress automatic error handling
;;; at translation time.
;;;
;;; FIXME: Part of this probably should be in gpg-error!

(define-condition gpgme-error (error)
  ((value :initarg :gpgme-error :reader gpgme-error-value))
  (:report (lambda (c stream)

    (format stream "GPGME returned error: ~A (~A)"
      (gpgme-strerror (gpgme-error-value c))
      (gpgme-strsource (gpgme-error-value c))))))
  (:documentation "Signalled when a GPGME function returns an error.))

(defun translate-gpgme-error-t-from-foreign (value)
  "Raise a GPGME-ERROR if VALUE is non-zero."
  (when (not (eql (gpgme-err-code value) :gpg-err-no-error))
    (error 'gpgme-error :gpgme-error value))
  (gpg-err-canonicalize value))

(defun translate-gpgme-error-t-to-foreign (value)
  "Canonicalize the error value."
  (if (eql (gpgme-err-code value) :gpg-err-no-error)

```

```

0
(gpg-err-as-value value)))

(defun translate-gpgme-error-no-signal-t-from-foreign (value)
  "Canonicalize the error value."
  (gpg-err-canonicalize value))

;;; *INTERNAL* Lispy Function Interface that is still close to the C
;;; interface.

;;; Passphrase callback management.

;;; Maybe: Instead, use subclassing, and provide a customizable
;;; default implementation for ease-of-use.

(defvar
  *passphrase-handles* (make-hash-table)
  "Hash table with GPGME context address as key and the corresponding
  passphrase callback object as value.")

(defcallback passphrase-cb gpgme-error-t ((handle :pointer)
  (uid-hint :string)
  (passphrase-info :string)
  (prev-was-bad :boolean)
  (fd :int))
(handler-case
  (let* ((passphrase-cb
    (gethash (pointer-address handle) *passphrase-handles*))
    (passphrase
    (cond
      ((functionp passphrase-cb)
       (concatenate 'string
        (funcall passphrase-cb uid-hint passphrase-info
         prev-was-bad)
        '(\Newline))))
    (t (concatenate 'string passphrase-cb '(\Newline))))
    (passphrase-len (length passphrase))
    ;; FIXME: Could be more robust.
    (res (system-write fd passphrase passphrase-len)))
    (cond
      ((< res passphrase-len) ; FIXME: Blech. A weak attempt to be robust.
       (gpgme-error :gpg-err-inval))
      (t (gpgme-error :gpg-err-no-error))))
    (gpgme-error (err)
    (gpgme-error-value err))
    (system-error (err) (gpgme-error-from-errno (system-error-errno err)))
    ;; FIXME: The original error gets lost here.

```

```

(condition (err) (progn
  (when *debug*
    (format t "DEBUG: passphrase-cb: Unexpressable: ~A~%"
      err))
    (gpgme-error :gpg-err-general))))))

;;; CTX is a C-pointer to the context.
(defun gpgme-set-passphrase-cb (ctx cb)
  "Set the passphrase callback for CTX."
  (let ((handle (pointer-address ctx)))
    (cond
      (cb (setf (gethash handle *passphrase-handles*) cb)
        (c-gpgme-set-passphrase-cb ctx (callback passphrase-cb) ctx))
      (t (c-gpgme-set-passphrase-cb ctx (null-pointer) (null-pointer))
        (remhash handle *passphrase-handles*))))))

;;; Progress callback management.

;;; Maybe: Instead, use subclassing, and provide a customizable
;;; default implementation for ease-of-use.

(defvar *progress-handles* (make-hash-table)
  "Hash table with GPGME context address as key and the corresponding
  progress callback
  object as value.")

(defcallback progress-cb :void ((handle :pointer)
  (what :string)
  (type :int)
  (current :int)
  (total :int))
  (handler-case
    (let* ((progress-cb
      (gethash (pointer-address handle) *progress-handles*)))
      (funcall progress-cb what type current total))
    ;; FIXME: The original error gets lost here.
    (condition (err) (when *debug*
      (format t "DEBUG: progress-cb: Unexpressable: ~A~%"
        err))))))

;;; CTX is a C-pointer to the context.
(defun gpgme-set-progress-cb (ctx cb)
  "Set the progress callback for CTX."
  (let ((handle (pointer-address ctx)))
    (cond
      (cb (setf (gethash handle *progress-handles*) cb)
        (c-gpgme-set-progress-cb ctx (callback progress-cb) ctx))
      (t (c-gpgme-set-progress-cb ctx (null-pointer) (null-pointer))
        (remhash handle *progress-handles*))))))

```

```
(remhash handle *progress-handles*))))))
```

```
;;; Context management.
```

```
(defun gpgme-new (&key (protocol :openpgp) armor textmode include-certs
  keylist-mode passphrase progress file-name
  home-dir)
  "Allocate a new GPGME context."
  (with-foreign-object (ctx-p 'gpgme-ctx-t)
    (c-gpgme-new ctx-p)
    (let ((ctx (mem-ref ctx-p 'gpgme-ctx-t)))
      ;; Set locale?
      (gpgme-set-protocol ctx protocol)
      (gpgme-set-armor ctx armor)
      (gpgme-set-textmode ctx textmode)
      (when include-certs (gpgme-set-include-certs ctx include-certs))
      (when keylist-mode (gpgme-set-keylist-mode ctx keylist-mode))
      (gpgme-set-passphrase-cb ctx passphrase)
      (gpgme-set-progress-cb ctx progress)
      (gpgme-set-engine-info ctx protocol
        :file-name file-name :home-dir home-dir)
      (when *debug* (format t "DEBUG: gpgme-new: ~A~%" ctx))
      ctx)))
```

```
(defun gpgme-release (ctx)
  "Release a GPGME context."
  (when *debug* (format t "DEBUG: gpgme-release: ~A~%" ctx))
  (c-gpgme-release ctx))
```

```
(defun gpgme-set-protocol (ctx proto)
  "Set the protocol to be used by CTX to PROTO."
  (c-gpgme-set-protocol ctx proto))
```

```
(defun gpgme-get-protocol (ctx)
  "Get
the protocol used with CTX."
  (c-gpgme-get-protocol ctx))
```

```
;;; FIXME: How to do pretty printing?
;;;
;;; gpgme-get-protocol-name
```

```
(defun gpgme-set-armor (ctx armor)
  "If ARMOR is true, enable armor mode in CTX, disable it otherwise."
  (c-gpgme-set-armor ctx armor))
```

```
(defun gpgme-armor-p (ctx)
  "Return true if armor mode is set for CTX."
```

```

(c-gpgme-get-armor ctx))

(defun gpgme-set-textmode (ctx textmode)
  "If TEXTMODE is true, enable text mode mode in CTX, disable it otherwise."
  (c-gpgme-set-textmode ctx textmode))

(defun gpgme-textmode-p (ctx)
  "Return true if text mode mode is set for CTX."
  (c-gpgme-get-textmode ctx))

(defun gpgme-set-include-certs (ctx &optional certs)
  "Include up to CERTS certificates in an S/MIME message."
  (c-gpgme-set-include-certs ctx certs))

(defun gpgme-get-include-certs (ctx)
  "Return the number of certs to include in an S/MIME message,
  or NIL if the default is used."
  (c-gpgme-get-include-certs ctx))

(defun gpgme-get-keylist-mode (ctx)
  "Get the keylist mode in CTX."
  (c-gpgme-get-keylist-mode ctx))

(defun gpgme-set-keylist-mode (ctx mode)
  "Set the keylist mode in CTX."
  (c-gpgme-set-keylist-mode ctx mode))

;;; FIXME: How to handle locale? cffi-grovel?

(defun gpgme-get-engine-info (&optional ctx)
  "Retrieve the engine info for CTX, or the default if CTX is omitted."
  (cond
   (ctx (c-gpgme-ctx-get-engine-info ctx))
   (t (with-foreign-object (info-p 'gpgme-engine-info-t)
        (c-gpgme-get-engine-info info-p)
        (mem-ref info-p 'gpgme-engine-info-t))))))

(defun gpgme-set-engine-info (ctx proto &key file-name home-dir)
  "Set the engine info for CTX, or the default if CTX is NIL."
  (cond
   (ctx (c-gpgme-ctx-set-engine-info ctx proto file-name home-dir))
   (t (c-gpgme-set-engine-info proto file-name home-dir))))

;;; FIXME: How to do pretty printing?
;;;
;;; gpgme_pubkey_algo_name, gpgme_hash_algo_name

```

```

(defun gpgme-set-signers (ctx keys)
  "Set the signers for the context CTX."
  (c-gpgme-signers-clear ctx)
  (dolist (key keys) (c-gpgme-signers-add ctx key)))

;;;

(defun gpgme-set-sig-notation (ctx notations)
  "Set the sig notation for the context CTX."
  (c-gpgme-sig-notation-clear ctx)
  (dolist (notation notations)
    (c-gpgme-sig-notation-add
     ctx (first notation) (second notation) (third notation))))

(defun gpgme-get-sig-notation (ctx)
  "Get the signature notation data for the context CTX."
  (c-gpgme-sig-notation-get ctx))

;;; FIXME: Add I/O callback interface, for integration with clg.

;;; FIXME: Add gpgme_wait?

;;; Streams
;;; -----
;;;
;;; GPGME uses standard streams. You can define your own streams, or
;;; use the existing file or string streams.
;;;
;;; A stream-spec is either a stream, or a list with a stream as its
;;; first argument followed by keyword parameters: encoding,
;;; file-name.
;;;
;;; FIXME: Eventually, we should provide a class that can be mixed
;;; into stream classes and which provides accessors for encoding and
;;; file-names. This interface
;;; should be provided in addition to the
;;; above sleazy interface, because the sleazy interface is easier to
;;; use (less typing), and is quite sufficient in a number of cases.
;;;
;;; For best results, streams with element type (unsigned-byte 8)
;;; should be used. Character streams may work if armor mode is used.

;;; Do we need to provide access to GPGME data objects through streams
;;; as well? It seems to me that specific optimizations, like
;;; directly writing to file descriptors, is better done by extending
;;; the sleazy syntax (stream-spec) instead of customized streams.
;;; Customized streams do buffering, and this may mess up things. Mmh.

```

```

(defvar *data-handles* (make-hash-table)
  "Hash table with GPGME data user callback handle address as key
  and the corresponding stream as value.")

;;; The release callback removes the stream from the *data-handles*
;;; hash and releases the CBS structure that is used as the key in
;;; that hash. It is implicitly invoked (through
    GPGME) by
;;; gpgme-data-release.
(defun data-release-cb :void ((handle :pointer))
  (unwind-protect (remhash (pointer-address handle) *data-handles*)
    (when (not (null-pointer-p handle)) (foreign-free handle))))

(defun data-read-cb ssize-t ((handle :pointer) (buffer :pointer)
  (size size-t))
  (when *debug* (format t "DEBUG: gpgme-data-read-cb: want ~A~%" size))
  (let ((stream (gethash (pointer-address handle) *data-handles*)))
    (cond
      (stream
        (let* ((stream-type (stream-element-type stream))
              (seq (make-array size :element-type stream-type))
              (read (read-sequence seq stream)))
          (cond
            ((equal stream-type '(unsigned-byte 8))
              (dotimes (i read)
                (setf (mem-aref buffer :unsigned-char i)
                  (aref (the byte-array seq) i))))
            ((eql stream-type 'character)
              (dotimes (i read)
                (setf (mem-aref buffer :unsigned-char
                  i)
                  (char-code (aref (the character-array seq) i))))))
            (t
              (dotimes (i read)
                (setf (mem-aref buffer :unsigned-char i)
                  (coerce (aref seq i) '(unsigned-byte 8))))))
            (when *debug* (format t "DEBUG: gpgme-data-read-cb: read ~A~%" read))
            (read))
            (t
              (set-errno +ebadf+
                -1))))))

(defun data-write-cb ssize-t ((handle :pointer) (buffer :pointer)
  (size size-t))
  (when *debug* (format t "DEBUG: gpgme-data-write-cb: want ~A~%" size))
  (let ((stream (gethash (pointer-address handle) *data-handles*)))
    (cond
      (stream

```

```

(let* ((stream-type (stream-element-type stream))
      (seq (make-array size :element-type stream-type)))
  (cond
    ((equal stream-type '(unsigned-byte 8))
     (dotimes (i size)
       (setf (aref (the byte-array seq) i)
             (mem-aref buffer :unsigned-char i))))
    ((eql stream-type 'character)
     (dotimes (i size)
       (setf (aref (the character-array seq) i)
             (code-char (mem-aref buffer :unsigned-char i)))))
    (t
     (dotimes (i size)
       (setf (aref seq i)
             (coerce (mem-aref buffer :unsigned-char i) stream-type)))))
  (write-sequence seq stream)
  size))
(t
 (set-errno +ebadf+
 -1)))

```

;;; This little helper macro allows us to swallow the cbs structure by
 ;;; simply setting it to a null pointer, but still protect against
 ;;; conditions.

```

(defmacro with-cbs-swallowed ((cbs) &body body)
  `(let ((cbs (foreign-alloc '(:struct gpgme-data-cbs))))
    (unwind-protect (progn ,@body)
      (when (not (null-pointer-p ,cbs)) (foreign-free ,cbs)))))

```

```

(defun gpgme-data-new (stream &key encoding file-name)
  "Allocate a new GPGME data object for STREAM."
  (with-foreign-object (dh-p 'gpgme-data-t)
    ;;; We allocate one CBS structure
    for each stream we wrap in a
    ;;; data object. Although we could also share all these
    ;;; structures, as they contain the very same callbacks, we need a
    ;;; unique C pointer as handle anyway to look up the stream in the
    ;;; callback. This is a convenient one to use.
    (with-cbs-swallowed (cbs)
      (setf (foreign-slot-value cbs '(:struct gpgme-data-cbs) 'read)
            (callback data-read-cb))
      (setf (foreign-slot-value cbs '(:struct gpgme-data-cbs) 'write)
            (callback data-write-cb))
      (setf (foreign-slot-value cbs '(:struct gpgme-data-cbs) 'seek)
            (null-pointer))
      (setf (foreign-slot-value cbs '(:struct gpgme-data-cbs) 'release)
            (callback data-release-cb))
      (c-gpgme-data-new-from-cbs dh-p cbs cbs)

```



```

    (let ((dh (mem-ref dh-p 'gpgme-data-t)))
      (when encoding (gpgme-data-set-encoding dh encoding))
      (when file-name (gpgme-data-set-file-name dh file-name))
      ;; Install the stream into the hash table and
      swallow the cbs
      ;; structure while protecting against any errors.
      (unwind-protect
        (progn
          (setf (gethash (pointer-address cbs) *data-handles*) stream)
          (setf cbs (null-pointer)))
        (when (not (null-pointer-p cbs)) (c-gpgme-data-release dh)))
      (when *debug* (format t "DEBUG: gpgme-data-new: ~A~%" dh)
        dh))))

;; This function releases a GPGME data object. It implicitly
;; invokes the data-release-cb function to clean up associated junk.
(defun gpgme-data-release (dh)
  "Release a GPGME data object."
  (when *debug* (format t "DEBUG: gpgme-data-release: ~A~%" dh))
  (c-gpgme-data-release dh))

(defclass data ()
  (c-data) ; The C data object pointer
  (:documentation "The GPGME data type.))

(defmethod initialize-instance :after ((data data) &key streamspec
                                     &allow-other-keys)
  (let ((c-data (if (listp streamspec)
                    (apply #'gpgme-data-new streamspec)
                    (gpgme-data-new streamspec))))
    (cleanup t))
  (unwind-protect
    (progn
      (setf (slot-value data 'c-data) c-data)
      (finalize data (lambda () (gpgme-data-release c-data)))
      (setf cleanup nil))
    (if cleanup (gpgme-data-release c-data)))))

(defun translate-gpgme-data-t-to-foreign (value)
  ;; Allow a pointer to be passed directly for the finalizer to work.
  (cond
    ((null value) (null-pointer))
    ((pointerp value) value)
    (t (slot-value value 'c-data))))

(defmacro with-gpgme-data ((dh streamspec) &body body)
  `(let ((,dh (make-instance 'data :streamspec ,streamspec)))
    ,@body))

```

```

(defun gpgme-data-get-encoding (dh)
  "Get the encoding associated with the data object DH."
  (c-gpgme-data-get-encoding dh))

(defun gpgme-data-set-encoding (dh encoding)
  "Set the encoding associated with the data object DH to ENCODING."
  (c-gpgme-data-set-encoding dh encoding))

(defun gpgme-data-get-file-name (dh)
  "Get the file name associated with the data object
  DH."
  (c-gpgme-data-get-file-name dh))

(defun gpgme-data-set-file-name (dh file-name)
  "Set the file name associated with the data object DH to FILE-NAME."
  (c-gpgme-data-set-file-name dh file-name))

;;; FIXME: Add key accessor interfaces.

(defun gpgme-get-key (ctx fpr &optional secret)
  "Get the key with the fingerprint FPR from the context CTX."
  (with-foreign-object (key-p 'gpgme-key-t)
    (c-gpgme-get-key ctx fpr key-p secret)
    (mem-ref key-p 'gpgme-key-t)))

(defun gpgme-key-ref (key)
  "Acquire an additional reference to the key KEY."
  (when *debug* (format t "DEBUG: gpgme-key-ref: ~A~%" key))
  (c-gpgme-key-ref key))

(defun gpgme-key-unref (key)
  "Release a reference to the key KEY."
  (when *debug* (format t "DEBUG: gpgme-key-unref: ~A~%" key))
  (c-gpgme-key-unref key))

;;; FIXME: We REALLY need pretty printing for keys and all the other
;;; big structs.

;;; Various interfaces.

(defun gpgme-check-version (&optional req-version)
  (c-gpgme-check-version req-version))

;;;
;;;
;;;
The *EXPORTED* CLOS interface.
;;;

```

;;; The context type.

;;; We wrap the C context pointer into a class object to be able to
;;; stick a finalizer on it.

```
(defclass context ()
  (c-ctx ; The C context object pointer.
    signers ; The list of signers.
    sig-notation) ; The list of signers.
  (:documentation "The GPGME context type.))

(defmethod initialize-instance :after ((ctx context) &rest rest
  &key &allow-other-keys)
  (let ((c-ctx (apply #'gpgme-new rest))
    (cleanup t))
    (unwind-protect
      (progn (setf (slot-value ctx 'c-ctx) c-ctx)
        (finalize ctx (lambda () (gpgme-release c-ctx)))
        (setf cleanup nil))
      (if cleanup (gpgme-release c-ctx))))))

(defun translate-gpgme-ctx-t-to-foreign (value)
  ;; Allow a pointer to be passed directly for the finalizer to work.
  (if (pointerp value) value (slot-value value 'c-ctx)))

(defmacro context (&rest rest)
  "Create a new GPGME context."
  `(make-instance 'context ,@rest))

;;; The context type: Accessor
functions.

;;; The context type: Accessor functions: Protocol.

(defgeneric protocol (ctx)
  (:documentation "Get the protocol of CONTEXT.))

(defmethod protocol ((ctx context))
  (gpgme-get-protocol ctx))

(defgeneric (setf protocol) (protocol ctx)
  (:documentation "Set the protocol of CONTEXT to PROTOCOL.))

;;; FIXME: Adjust translator to reject invalid protocols. Currently,
;;; specifying an invalid protocol throws a "NIL is not 32 signed int"
;;; error. This is suboptimal.
(defmethod (setf protocol) (protocol (ctx context))
```

```
(gpgme-set-protocol ctx protocol))
```

```
;;; The context type: Accessor functions: Armor.  
;;; FIXME: Is it good style to make foop setf-able? Or should it be  
;;; foo/foop for set/get?
```

```
(defgeneric armorp (ctx)  
  (:documentation "Get the armor flag of CONTEXT."))
```

```
(defmethod armorp ((ctx context))  
  (gpgme-armor-p ctx))
```

```
(defgeneric (setf armorp) (armor ctx)  
  (:documentation "Set the armor flag of CONTEXT to ARMOR."))
```

```
(defmethod (setf armorp) (armor (ctx  
  context))  
  (gpgme-set-armor ctx armor))
```

```
;;; The context type: Accessor functions: Textmode.  
;;; FIXME: Is it good style to make foop setf-able? Or should it be  
;;; foo/foop for set/get?
```

```
(defgeneric textmodep (ctx)  
  (:documentation "Get the text mode flag of CONTEXT."))
```

```
(defmethod textmodep ((ctx context))  
  (gpgme-textmode-p ctx))
```

```
(defgeneric (setf textmodep) (textmode ctx)  
  (:documentation "Set the text mode flag of CONTEXT to TEXTMODE."))
```

```
(defmethod (setf textmodep) (textmode (ctx context))  
  (gpgme-set-textmode ctx textmode))
```

```
;;; The context type: Accessor functions: Include Certs.
```

```
(defgeneric include-certs (ctx)  
  (:documentation "Get the number of included certificates in an  
    S/MIME message, or NIL if the default is used."))
```

```
(defmethod include-certs ((ctx context))  
  (gpgme-get-include-certs ctx))
```

```
(defgeneric (setf include-certs) (certs ctx)  
  (:documentation "Return the number of certificates to include in an  
    S/MIME message, or
```

NIL if the default is used."))

```
(defmethod (setf include-certs) (certs (ctx context))  
  (gpgme-set-include-certs ctx certs))
```

;;; The context type: Accessor functions: Engine info.

```
(defgeneric engine-info (ctx)  
  (:documentation "Retrieve the engine info for CTX."))
```

```
(defmethod engine-info ((ctx context))  
  (gpgme-get-engine-info ctx))
```

```
(defgeneric (setf engine-info) (info ctx)  
  (:documentation "Set the engine info for CTX."))
```

```
(defmethod (setf engine-info) (info (ctx context))  
  (dolist (proto '(:openpgp :cms))  
    (let ((pinfo (getf info proto)))  
      (when pinfo  
        (gpgme-set-engine-info ctx proto :file-name (getf pinfo :file-name)  
                               :home-dir (getf pinfo :home-dir))))))
```

;;; The context type: Accessor functions: Keylist mode.

```
(defgeneric keylist-mode (ctx)  
  (:documentation "Get the keylist mode of CTX."))
```

```
(defmethod keylist-mode ((ctx context))  
  (gpgme-get-keylist-mode ctx))
```

```
(defgeneric (setf keylist-mode) (mode ctx)  
  (:documentation "Set the keylist mode of CTX to MODE."))
```

```
(defmethod  
  (setf keylist-mode) (mode (ctx context))  
  (gpgme-set-keylist-mode ctx mode))
```

;;; The context type: Accessor functions: Signers.

```
(defgeneric signers (ctx)  
  (:documentation "Get the signers of CTX."))
```

```
(defmethod signers ((ctx context))  
  (slot-value ctx 'signers))
```

```
(defgeneric (setf signers) (signers ctx)  
  (:documentation "Set the signers of CTX to SIGNERS."))
```

```

(defmethod (setf keylist-mode) (signers (ctx context))
  (gpgme-set-signers ctx signers)
  (setf (slot-value ctx 'signers) signers))

;;; The context type: Accessor functions: Sig notations.

(defgeneric sig-notations (ctx)
  (:documentation "Get the signature notations of CTX."))

(defmethod sig-notations ((ctx context))
  (slot-value ctx 'signers))

(defgeneric (setf sig-notations) (notations ctx)
  (:documentation "Set the signature notations of CTX to NOTATIONS."))

(defmethod (setf sig-notations) (notations (ctx context))
  (gpgme-set-signers ctx notations)
  (setf (slot-value ctx 'notations) notations))

;;;
The context type: Support macros.

(defmacro with-context ((ctx &rest rest) &body body)
  `(let ((ctx (make-instance 'context ,@rest)))
    ,@body))

;;; The key type.

(defclass key ()
  (c-key) ; The C key object pointer.
  (:documentation "The GPGME key type."))

;;; In the initializer, we swallow the c-key argument.
(defmethod initialize-instance :after ((key key) &key c-key
  &allow-other-keys)
  (setf (slot-value key 'c-key) c-key)
  (finalize key (lambda () (gpgme-key-unref c-key))))

(defun translate-gpgme-key-t-from-foreign (value)
  (when *debug* (format t "DEBUG: import key: ~A~%" value))
  (make-instance 'key :c-key value))

(defun translate-gpgme-key-t-to-foreign (value)
  ;; Allow a pointer to be passed directly for the finalizer to work.
  (if (pointerp value) value (slot-value value 'c-key)))

(defmethod print-object ((key key) stream)

```

```
(print-unreadable-object (key stream :type t :identity t)
  (format stream "~s" (fpr key))))
```

;;; The key type:

Accessor functions.

;;; FIXME: The bitfield and flags contain redundant information at

;;; this point. FIXME: Deal nicer with zero-length name (policy url)

;;; and zero length value (omit?) and human-readable (convert to string).

;;; FIXME: Turn binary data into sequence or vector or what it should be.

;;; FIXME: Turn the whole thing into a hash?

```
(defun translate-gpgme-sig-notation-t-from-foreign (value)
```

```
(cond
  ((null-pointer-p value) nil)
  (t (with-foreign-slots
      ((next name value name-len value-len flags bitfield)
       value (:struct gpgme-sig-notation))
      (append (list (list
        :name name
        :value value
        :name-len name-len
        :value-len value-len
        :flags flags
        :bitfield bitfield))
        next))))))
```

;;; FIXME: Deal nicer with timestamps. bitfield field name?

```
(defun translate-gpgme-subkey-t-from-foreign (value)
```

```
(cond
  ((null-pointer-p value) nil)
  (t (with-foreign-slots
      ((next bitfield pubkey-algo length keyid fpr timestamp expires)
       value (:struct gpgme-subkey))
      next))))
```

```
(append (list (list
  :bitfield bitfield
  :pubkey-algo pubkey-algo
  :length length
  :keyid keyid
  :fpr fpr
  :timestamp timestamp
  :expires expires))
  next))))
```

```
(defun translate-gpgme-key-sig-t-from-foreign (value)
```

```
(cond
  ((null-pointer-p value) nil)
  (t (with-foreign-slots
```

```

((next bitfield pubkey-algo keyid timestamp expires status
uid name email comment sig-class)
value (:struct gpgme-key-sig))
(append (list (list
:bitfield bitfield
:pubkey-algo pubkey-algo
:keyid keyid
:timestamp timestamp
:expires expires
:status status
:uid uid
:name name
:email email
:comment comment
:sig-class sig-class))
next))))

```

```

(defun translate-gpgme-user-id-t-from-foreign (value)
(cond
((null-pointer-p value) nil)
(t (with-foreign-slots
((next bitfield validity uid name email comment signatures)
value (:struct gpgme-user-id))
(append (list (list
:bitfield bitfield
:validity validity
:uid uid
:name
name
:email email
:comment comment
:signatures signatures))
next))))))

```

```

(defun key-data (key)
(with-slots (c-key) key
(with-foreign-slots
((bitfield protocol issuer-serial issuer-name chain-id
owner-trust subkeys uids keylist-mode)
c-key (:struct gpgme-key))
(list
:bitfield bitfield
:protocol protocol
:issuer-serial issuer-serial
:issuer-name issuer-name
:chain-id chain-id
:owner-trust owner-trust
:subkeys subkeys

```



```

:uids uids
:keylist-mode keylist-mode))
))

```

```

(defgeneric fpr (key)
  (:documentation "Get the primary fingerprint of the key."))

```

```

(defmethod fpr ((key key))
  (getf (car (getf (key-data key) :subkeys)) :fpr))

```

;;; The context type: Crypto-Operations.

```

(defgeneric get-key (ctx fpr &optional secret)
  (:documentation "Get the (secret) key FPR from CTX."))

```

```

(defmethod get-key ((ctx context) fpr &optional secret)
  (gpgme-get-key ctx fpr secret))

```

;;; Encrypt.

```

(defgeneric
  op-encrypt (ctx recp plain cipher &key always-trust sign)
  (:documentation "Encrypt."))

```

```

(defmethod op-encrypt ((ctx context) recp plain cipher
  &key always-trust sign)
  (with-foreign-object (c-recp :pointer (+ 1 (length recp)))
    (dotimes (i (length recp))
      (setf (mem-aref c-recp 'gpgme-key-t i) (elt recp i)))
      (setf (mem-aref c-recp :pointer (length recp)) (null-pointer))
      (with-gpgme-data (in plain)
        (with-gpgme-data (out cipher)
          (let ((flags))
            (if always-trust (push :always-trust flags))
            (cond
              (sign
               (c-gpgme-op-encrypt-sign ctx c-recp flags in out)
               (append (c-gpgme-op-encrypt-result ctx)
                        (c-gpgme-op-sign-result ctx))))
            (t
             (c-gpgme-op-encrypt ctx c-recp flags in out)
             (c-gpgme-op-encrypt-result ctx))))))))))

```

;;; Decrypt.

```

(defgeneric op-decrypt (ctx cipher plain &key verify)

```

```
(:documentation "Decrypt."))
```

```
(defmethod op-decrypt ((ctx context) cipher plain &key verify)
  (with-gpgme-data (in cipher)
    (with-gpgme-data
      (out plain)
        (cond
          (verify
            (c-gpgme-op-decrypt-verify ctx in out)
            (append (c-gpgme-op-decrypt-result ctx)
              (c-gpgme-op-verify-result ctx))))
          (t
            (c-gpgme-op-decrypt ctx in out)
            (c-gpgme-op-decrypt-result ctx))))))
```

;;; Signing.

```
(defgeneric op-sign (ctx plain sig &optional mode)
  (:documentation "Sign."))
```

```
(defmethod op-sign ((ctx context) plain sig &optional (mode :none))
  (with-gpgme-data (in plain)
    (with-gpgme-data (out sig)
      (c-gpgme-op-sign ctx in out mode)
      (c-gpgme-op-sign-result ctx))))
```

;;; Verify.

```
(defgeneric op-verify (ctx sig text &key detached)
  (:documentation "Verify."))
```

```
(defmethod op-verify ((ctx context) sig text &key detached)
  (with-gpgme-data (in sig)
    (with-gpgme-data (on text)
      (c-gpgme-op-verify ctx in (if detached on nil)
        (if detached nil on))
      (c-gpgme-op-verify-result ctx))))
```

;;; Import.

```
(defgeneric op-import (ctx keydata)
  (:documentation "Import."))
```

```
(defmethod op-import ((ctx context) keydata)
  (with-gpgme-data (in keydata)
    (c-gpgme-op-import ctx in)
    (c-gpgme-op-import-result ctx)))
```

;;; Export.

```
(defgeneric op-export (ctx pattern keydata)
  (:documentation "Export public key data matching PATTERN to the
    stream KEYDATA."))
```

```
(defmethod op-export ((ctx context) pattern keydata)
  (with-gpgme-data (dh keydata)
    (c-gpgme-op-export ctx pattern 0 dh)))
```

;;; Key generation.

;;;

;;; Initialization

;;;

```
(defun check-version (&optional req-version)
  "Check that the GPGME version requirement is satisfied."
  (gpgme-check-version req-version))
```

```
(defparameter *version* (check-version)
  "The version number of GPGME used.")
(21:protected-private-key(3:elg(1:p193:5*n^f"Q'R0_6<ymec \=c7S8u[5
ZF'xf5yi9F@T=KhZdU0(k5nZEl/ R)njVITPU$W<xs-Yx)(1:g1:)(1:y192:O9GNR{?}Y_W[FD*zURmk%'R\>>e9pe
eU)uS%VJ!5F)yH*O
]l'7{ @wJmQP^jurx'V2H2j[G{q_ "8() (9:protected25:openpgp-s2k3-sha1-aes-cbc((4:sha18:o"%7:5242880)16:Hs*}u
)256:Gzk3%\Kb2=oOO@,)eBBI3F|OQP3eD%n,~L-6UH^=64i);l
e+sG"(mlH_2sn_BBO7hRcZUt(p6,{5|37C3m8EY9=gQ )(12:protected-at15:20101008T070148)))
# *- mode: org *-
#+TITLE: A Short History of the GPGME bindings for Python
#+LATEX_COMPILER: xelatex
#+LATEX_CLASS: article
#+LATEX_CLASS_OPTIONS: [12pt]
#+LATEX_HEADER: \usepackage{xltextra}
#+LATEX_HEADER: \usepackage[margin=1in]{geometry}
#+LATEX_HEADER: \setmainfont[Ligatures={Common}]{Times New Roman}
```

* Overview

:PROPERTIES:

:CUSTOM_ID: overview

:END:

```
| Version:      | 0.0.1          |
| GPGME Version: | 1.13.0         |
| Author:       | Ben McGinnes <ben@gnupg.org> |
| Author GPG Key: | DB4724E6FA4286C92B4E55C4321E4E2373590E5D |
| Language:     | Australian English, British English |
```

The GPGME Python bindings passed through many hands and numerous phases before, after a fifteen year journey, coming full circle to return to the source. This is a short explanation of that journey.

**** In the beginning**

:PROPERTIES:

:CUSTOM_ID: in-the-begining

:END:

In 2002 John Goerzen released PyME; Python bindings for the GPGME module which utilised the current release of Python of the time and SWIG.^[fn:1] Shortly after creating it and ensuring it worked he stopped supporting it, though he left his work available on his Gopher site.

**** Keeping the flame alive**

:PROPERTIES:

:CUSTOM_ID: keeping-the-flame-alive

:END:

A couple of years later the project was picked up by Igor Belyi and actively developed and maintained by him from 2004 to 2008. Igor's whereabouts at the time of this document's creation are unknown, but the current authors do hope he is well. We're assuming (or hoping) that life did what life does and made continuing untenable.

**** Passing the torch**

:PROPERTIES:

:CUSTOM_ID: passing-the-torch

:END:

In 2014 Martin Albrecht wanted to patch a bug in the PyME code and discovered the absence of Igor. Following a discussion on the PyME mailing list he became the new maintainer for PyME, releasing version 0.9.0 in May of that year. He remains the maintainer of the original PyME release in Python 2.6 and 2.7 (available via PyPI).

**** Coming full circle**

:PROPERTIES:

:CUSTOM_ID: ouroboros

:END:

In 2015 Ben McGinnes approached Martin about a Python 3 version, while investigating how complex a task this would be the task ended up being completed. A subsequent discussion with Werner Koch led to the decision to fold the Python 3 port back into the original GPGME release in the languages subdirectory for non-C bindings under the module name of `=pyme3=`.

In 2016 this PyME module was integrated back into the GPGME project by Justus Winter. During the course of this work Justus adjusted the port to restore limited support for Python 2, but not as many minor point releases as the original PyME package supports. During the course of this integration the package was renamed to more accurately reflect its status as a component of GPGME. The `=pyme3=` module was renamed to `=gpg=` and adopted by the upstream GnuPG team.

In 2017 Justus departed G10code and the GnuPG team. Following this Ben returned to maintain of `gpgme` Python bindings and continue building them from that point.

```
* Relics of the past
:PROPERTIES:
:CUSTOM_ID: relics-past
:END:
```

There are a few things, in addition to code specific factors, such as SWIG itself, which are worth noting here.

```
** The Annoyances of Git
:PROPERTIES:
:CUSTOM_ID: the-annoyances-of-git
:END:
```

As anyone who has ever worked with git knows, submodules are horrible way to deal with pretty much anything. In the interests of avoiding migraines, that was skipped with addition of the PyME code to GPGME.

Instead the files were added to a subdirectory of the `=lang/=` directory, along with a copy of the entire git log up to that point as a separate file within the `=lang/python/docs/=` directory.^[fn:2] As the log for PyME is nearly 100KB and the log for GPGME is approximately 1MB, this would cause considerable bloat, as well as some confusion, should the two be merged.

Hence the unfortunate, but necessary, step to simply move the

files. A regular repository version has been maintained should it be possible to implement this better in the future.

**** The Perils of PyPI**

:PROPERTIES:

:CUSTOM_ID: the-perils-of-pypi

:END:

The early port of the Python 2 `pyme` module as `pyme3` was never added to PyPI while the focus remained on development and testing during 2015 and early 2016. Later in 2016, however, when Justus completed his major integration work and subsequently renamed the module from `pyme3` to `gpg`, some prior releases were also provided through PyPI.

Since these bindings require a matching release of the GPGME libraries in order to function, it was determined that there was little benefit in also providing a copy through PyPI since anyone obtaining the GPGME source code would obtain the Python bindings source code at the same time. Whereas there was the potential to sew confusion amongst Python users installing the module from PyPI, only to discover that without the relevant C files, header files or SWIG compiled binaries, the Python module did them little good.

There are only two files on PyPI which might turn up in a search for this module or a sample of its content:

1. `gpg` (1.8.0) - Python bindings for GPGME GnuPG cryptography library
2. `pyme` (0.9.0) - Python support for GPGME GnuPG cryptography library

***** GPG 180 - Python bindings for GPGME GnuPG cryptography library**

:PROPERTIES:

:CUSTOM_ID: pypi-gpgme-180

:END:

This is the most recent version to reach PyPI and is the version of the official Python bindings which shipped with GPGME 1.8.0. If you have GPGME 1.8.0 installed and /only/ 1.8.0 installed, then it is probably safe to use this copy from PyPI.

As there have been a lot of changes since the release of GPGME 1.8.0, the GnuPG Project recommends not using this version of the module and instead installing the current version of GPGME along with the Python bindings included with that package.

```
*** PyME 090 - Python support for GPGME GnuPG cryptography library
:PROPERTIES:
:CUSTOM_ID: pypi-gpgme-90
:END:
```

This is the last release of the PyME bindings maintained by Martin Albrecht and is only compatible with Python 2, it will not work with Python 3. This is the version of the software from which the port from Python 2 to Python 3 code was made in 2015.

Users of the more recent Python bindings will recognise numerous points of similarity, but also significant differences. It is likely that the more recent official bindings will feel "more pythonic."

For those using Python 2, there is essentially no harm in using this module, but it may lack a number of more recent features added to GPGME.

* Footnotes

[fn:1] In all likelihood this would have been Python 2.2 or possibly Python 2.3.

[fn:2] The entire PyME git log and other preceding VCS logs are located in the =gpgme/lang/python/docs/old-commits.log= file.

```
# HACKING                                -*- org -*-
#+TITLE: Hacking notes for GPGME
#+STARTUP: showall
```

* How to contribute

** No more ChangeLog files

Do not modify any of the ChangeLog files in GPGME. Starting on December 1st, 2011 we put change information only in the GIT commit log, and generate a top-level ChangeLog file from logs at "make dist" time. As such, there are strict requirements on the form of the commit log messages. The old ChangeLog files have all be renamed to ChangeLog-2011

** Commit log requirements

Your commit log should always start with a one-line summary, the second line should be blank, and the remaining lines are usually

ChangeLog-style entries for all affected files. However, it's fine -- even recommended -- to write a few lines of prose describing the change, when the summary and ChangeLog entries don't give enough of the big picture. Omit the leading TABs that you're used to seeing in a "real" ChangeLog file, but keep the maximum line length at 72 or smaller, so that the generated ChangeLog lines, each with its leading TAB, will not exceed 80 columns. If you want to add text which shall not be copied to the ChangeLog, separate it by a line consisting of two dashes at the begin of a line.

Note that ./autogen.sh installs a git hook to do some basic syntax checking on the commit log message.

Typo fixes and documentation updates don't need a ChangeLog entry; thus you would use a commit message like

```
#+begin_example
Fix typo in a comment

--
#+end_example
```

The marker line here is important; without it the first line would appear in the ChangeLog.

If you exceptionally need to have longer lines in a commit log you may do this after this scissor line:

```
#+begin_example
# ----- >8 -----
#+end_example
(hash, blank, 24 dashes, blank, scissor, blank, 24 dashes).
```

Note that such a comment will be removed if the git commit option `--cleanup-scissor=` is used.

**** License policy**

GPGME is currently licensed under the LGPLv2.1+ with tools and the manual being under the GPLv3+. We may eventually update to a newer version of the licenses or a combination of them. It is thus important, that all contributed code allows for an update of the license; for example we can't accept code under the LGPLv2(only).

If you want to contribute code or documentation to GPGME you are asked to assert that the contribution is in accordance to the "GPGME Developer's Certificate of Origin" as found in the file "DCO".

Except for a slight wording change, this DCO is identical to the one

used by the Linux kernel. Please take these simple steps:

- Decide which mail address you want to use. Please have your real name in the address and not a pseudonym. Anonymous contributions can only be done if you find a proxy who certifies for you.
- If your employer or school might claim ownership of code written by you; you need to talk to them to make sure that you have the right to contribute under the DCO.
- Send an OpenPGP signed mail to the `gnupg-devel@gnupg.org` public mailing list from your mail address. Include a copy of the DCO as found in the official master branch. Insert your name and email address into the DCO in the same way you want to use it later.
Example:

Signed-off-by: Joe R. Hacker <joe@example.org>

If you need it, you may perform simple transformations on the mail address: Replacing "@" by " at " or "." by " dot ".)

- That's it. From now on you only need to add a "Signed-off-by:" line with your name and mail address to the GIT commit message. It is recommended to send the patches using a PGP/MIME signed mail.

**** Coding standards**

Please follow the GNU coding standards. If you are in doubt consult the existing code as an example. Do no re-indent code without a need. If you really need to do it, use a separate commit for such a change.

- C99 syntax should not be used; stick to C90.
- Please do not use C++ `///
=` style comments.
- Try to fit lines into 80 columns.
- Ignore signed/unsigned pointer mismatches
- No arithmetic on void pointers; cast to `char*` first.

**** Commit log keywords**

- GnuPG-bug-id :: Values are comma or space delimited bug numbers from `bug.gnupg.org` pertaining to this commit.
- Debian-bug-id :: Same as above but from the Debian bug tracker.
- CVE-id :: CVE id number pertaining to this commit.
- Regression-due-to :: Commit id of the regression fixed by this commit.

- Fixes-commit :: Commit id this commit fixes.
- Reported-by :: Value is a name or mail address of a bug reporte.
- Suggested-by :: Value is a name or mail address of someone how suggested this change.
- Co-authored-by :: Name or mail address of a co-author
- Some-comments-by :: Name or mail address of the author of

additional comments (commit log or code).

- Proofread-by :: Sometimes used by translation commits.
- Signed-off-by :: Name or mail address of the developer

* Debug hints

- Use gpgme-tool for manual tests.
- The envvar GPGME_DEBUG enables debugging; see debug.[ch] for details.

Configuration files may go here. Note that config.h.in is auto-generated so that this file is not in git.

2011-12-02 Werner Koch <wk@g10code.com>

NB: ChangeLog files are no longer manually maintained. Starting on December 1st, 2011 we put change information only in the GIT commit log, and generate a top-level ChangeLog file from logs at "make dist". See doc/HACKING for details.

2011-04-06 Werner Koch <wk@g10code.com>

- * gpg-error.m4: Update from current libgpg-error repo.

2010-05-07 Werner Koch <wk@g10code.com>

- * libassuan.m4: Update from libassuan svn.

2009-11-10 Marcus Brinkmann <marcus@g10code.de>

- * libassuan.m4: Fix LIBASSUAN_VERSION.

2006-06-08 Marcus Brinkmann <marcus@g10code.de>

- * pth.m4: Add --all to pth-config invocation.

2006-02-22 Marcus Brinkmann <marcus@g10code.de>

- * pth.m4: Fix code generation (required for Max OS X). Submitted by Emanuele Giaquinta <exg@gentoo.org>.

2005-11-17 Marcus Brinkmann <marcus@g10code.de>

* glib-2.0.m4: New file.

2004-12-28 Werner Koch <wk@g10code.com>

* pth.m4: Changed quoting for use with automake 1.9.

2004-09-14

Marcus Brinkmann <marcus@g10code.de>

* pth.m4: Disable _ac_pth_line, and don't fail if Pth is not found.

* glibc21.m4: New file.

* gpg-error.m4: New file.

* pth.m4: New file.

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=====

By making a contribution to the GPGME project, I certify that:

(a) The contribution was created in whole or in part by me and I have the right to submit it under the free software license indicated in the file; or

(b) The contribution is based upon previous work that, to the best of my knowledge, is covered under an appropriate free software license and I have the right under that license to submit that work with modifications, whether created in whole or in part by me, under the same free software license (unless I am permitted to submit under a different license), as indicated in the file; or

(c) The contribution was provided directly to me by some other person who certified (a), (b) or (c) and I have not modified it.

(d) I understand and agree that this project and the contribution

are public and that a record of the contribution
(including
all personal information I submit with it, including my
sign-off) is maintained indefinitely and may be redistributed
consistent with this project or the free software license(s)
involved.

Signed-off-by: [Your name and mail address]

2011-12-02 Werner Koch <wk@g10code.com>

NB: ChangeLog files are no longer manually maintained. Starting
on December 1st, 2011 we put change information only in the GIT
commit log, and generate a top-level ChangeLog file from logs at
"make dist". See doc/HACKING for details.

2008-11-08 Moritz <moritz@gnu.org>

* gpgme.lisp (size-t): Wrong call to defctype: function accepts
optional, not keyword argument.

(ssize-t): Likewise.

(off-t): Likewise.

(gpgme-data-t, gpgme-ctx-t): Likewise.

(gpgme-error-t): Likewise.

(gpgme-error-no-signal-t): Likewise.

(gpgme-err-code-t): Likewise.

(gpgme-err-source-t): Likewise.

(gpgme-sig-notation-t, gpgme-engine-info-t): Likewise.

(gpgme-subkey-t): Likewise.

(gpgme-key-sig-t): Likewise.

(gpgme-user-id-t): Likewise.

(gpgme-key-t): Likewise.

(gpgme-data-cbs-t): Likewise.

(gpgme-invalid-key-t): Likewise.

(gpgme-op-encrypt-result-t): Likewise.

(gpgme-recipient-t): Likewise.

(gpgme-op-decrypt-result-t): Likewise.

(gpgme-new-signature-t):

Likewise.

(gpgme-op-sign-result-t): Likewise.

(gpgme-signature-t): Likewise.

(gpgme-op-verify-result-t): Likewise.

(gpgme-import-status-t): Likewise.

(gpgme-op-import-result-t): Likewise.

(gpgme-op-genkey-result-t): Likewise.

(gpgme-op-keylist-result-t): Likewise.

2006-07-06 Marcus Brinkmann <marcus@g10code.de>

* Initial release.

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-*- mode: org -*-

#+TITLE: What Was New in the GPGME Python Bindings and Documentation

#+AUTHOR: Ben McGinnes

#+LATEX_COMPILER: xelatex

#+LATEX_CLASS: article

#+LATEX_CLASS_OPTIONS: [12pt]

#+LATEX_HEADER: \usepackage{xltextra}

#+LATEX_HEADER: \usepackage[margin=1in]{geometry}

#+LATEX_HEADER: \setmainfont[Ligatures={Common}]{Times New Roman}

#+LATEX_HEADER: \author{Ben McGinnes <ben@gnupg.org>}

* What Was New

:PROPERTIES:

:CUSTOM_ID: new-stuff

:END:

Version:	0.0.1
GPGME Version:	1.13.0
Author:	Ben McGinnes <ben@gnupg.org>
Author GPG Key:	DB4724E6FA4286C92B4E55C4321E4E2373590E5D
Language:	Australian English, British English
xml:lang:	en-AU, en-GB, en

The following are all the past /What's New/ sections for the Python Bindings HOWTO and other documentation.

** What Was New in GPGME 1120

:PROPERTIES:

:CUSTOM_ID: gpgme-1-12-0

:END:

The most obviously new point for those reading this guide is this section on other new things, but thats hardly important. Not given all the other things which spurred the need for adding this section

and its subsections.

*** New in GPGME 1.12.0

:PROPERTIES:

:CUSTOM_ID: new-stuff-1-12-0

:END:

There have been quite a number of additions to GPGME and the Python bindings to it since the last release of GPGME with versions 1.11.0 and 1.11.1 in April, 2018.

The bullet points of new additions are:

- an expanded section on [\[\[file:gpgme-python-howto#installation\]\[installing\]\]](#) and [\[\[file:gpgme-python-howto#snafu\]\[troubleshooting\]\]](#) the Python bindings.
- The release of Python 3.7.0; which appears to be working just fine with our bindings, in spite of intermittent reports of problems for many other Python projects with that new release.
- Python 3.7 has been moved to the head of the specified python versions list in the build process.
- In order to fix some other issues, there are certain underlying functions which are more exposed through the [\[\[file:gpgme-python-howto#howto-get-context\]\[gpg.Context\(\)\]\]](#), but ongoing documentation ought to clarify that or otherwise provide the best means of using the bindings. Some additions to `=gpg.core=` and the `=Context()=`, however, were intended (see below).
- Continuing work in identifying and confirming the cause of oft-reported [\[\[file:gpgme-python-howto#snafu-runtime-not-funtime\]\[problems installing the Python bindings on Windows\]\]](#).
- GSOC: Google's Surreptitiously Ordered Conscriptio ... erm ... oh, right; Google's Summer of Code. Though there were two hopeful candidates this year; only one ended up involved with the GnuPG Project directly, the other concentrated on an unrelated third party project with closer ties to one of the GNU/Linux distributions than to the GnuPG Project. Thus the Python bindings benefited from GSOC participant Jacob Adams, who added the `key_import` function; building on prior work by Tobias Mueller.
- Several new methods functions were added to the `gpg.Context()`, including: [\[\[file:gpgme-python-howto#howto-import-key\]\[key_import\]\]](#), [\[\[file:gpgme-python-howto#howto-export-key\]\[key_export\]\]](#), [\[\[file:gpgme-python-howto#howto-export-public-key\]\[key_export_minimal\]\]](#) and [\[\[file:gpgme-python-howto#howto-export-secret-key\]\[key_export_secret\]\]](#).
- Importing and exporting examples include versions integrated with Marcel Fest's recently released [\[\[https://github.com/Selfnet/hkp4py\]\[HKP for Python\]\]](#) module. Some [\[\[file:gpgme-python-howto#hkp4py\]\[additional notes on this module\]\]](#) are included at the end of the HOWTO.
- Instructions for dealing with semi-walled garden implementations

like ProtonMail are also included. This is intended to make things a little easier when communicating with users of ProtonMail's services and should not be construed as an endorsement of said service. The GnuPG Project neither favours, nor disfavours ProtonMail and the majority of this deals with interacting with the ProtonMail keyserver.

- Semi-formalised the location where `[[file:gpgme-python-howto#draft-editions]]` of this HOWTO may periodically be accessible. This is both for the reference of others and testing the publishing of the document itself. Renamed this file at around the same time.
- The Texinfo documentation build configuration has been replicated from the parent project in order to make to maintain consistency with that project (and actually ship with each release).
- a reStructuredText (`=.rst=`) version is also generated for Python developers more used to and comfortable with that format as it is the standard Python documentation format and Python developers may wish to use it with Sphinx. Please note that there has been no testing of the reStructuredText version with Sphinx at all. The reST file was generated by the simple expedient of using `[[https://pandoc.org/]]` `[[Pandoc]]`.

-

Added a new section for `[[file:gpgme-python-howto#advanced-use]]` `[[advanced or experimental use]]`.

- Began the advanced use cases with `[[file:gpgme-python-howto#cython]]` `[[a section]]` on using the module with `[[https://cython.org/]]` `[[Cython]]`.
- Added a number of new scripts to the `=example/howto/=` directory; some of which may be in advance of their planned sections of the HOWTO (and some are just there because it seemed like a good idea at the time).
- Cleaned up a lot of things under the hood.

000

*H

010 UDE1!0U

Deutsches Forschungsnetz10UDFN-PCA1.0,U%DFN Top Level Certification Authority1!0 *H
certify@pca.dfn.de0

981029180310Z

011231180310Z010 UDE1!0U

Deutsches Forschungsnetz10UDFN-PCA1.0,U%DFN Top Level Certification Authority1!0 *H
certify@pca.dfn.de0"0

*H

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nskvS2r#iA4H|*/

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tD}L+~IWWD|eP&qH)

!1\p%,1.tIsmnQ,g-W)@\t<kvm5j(d)9M_KGQJ0:qTE 00 `HB0) `HBhttps://mystic.pca.dfn.de/0A

`HB42http://www.pca.dfn.de/dfnpca/policy/wwwpolicy.html08 `HB

+)The DFN Top Level Certification Authority0! `HBcgi/check-rev.cgi?0 `HB

dfnpca.crl0U00U0

*H

`^[:8\`e7*%QC?:/JVgwPUB

OgGqjGVxl50%<`Pb18 z;t~r0U<A%3#l'8b"<iX"V!k"*Q8&hAPI"3 00KUb&Qq'46_{D[JZ!i<=T
/OF

Wenn Sie dies lesen können, ist es wohl nicht
geheim genug.

1.13.1

This is gpgme.info, produced by makeinfo version 6.3 from gpgme.texi.

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INFO-DIR-SECTION GNU Libraries

START-INFO-DIR-ENTRY

* GPGME: (gpgme). Adding support for cryptography to your program.

END-INFO-DIR-ENTRY

This file documents the GPGME library.

This is Edition 1.12.1-beta100, last updated 3 December 2018, of The
GnuPG Made Easy Reference Manual, for Version
1.12.1-beta100.

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Node: UI Server Decrypt298541
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End Tag Table

Local Variables:

coding: utf-8

End:

hkp4py

requests

\input texinfo @c *- texinfo *-

@c %**start of header

@setfilename what-was-new.info

@settitle What Was New in the GPGME Python Bindings and Documentation

@documentencoding utf-8

@documentlanguage en

@c %**end of header

@finalout

@titlepage

@title What Was New in the GPGME Python Bindings and Documentation

@author Ben McGinnes

@end titlepage

@contents

@ifnottex

@node Top

@top What Was New in the GPGME Python Bindings and Documentation

@end ifnottex

@menu

* What Was New::

@detailmenu

--- The Detailed Node Listing ---

What Was New

* What Was New in GPGME 1120::

What Was New in GPGME 1120

* New in GPGME 1120::

@end detailmenu

@end menu

@node What Was New

@chapter What Was New

@multitable {aaaaaaaaaaaaaa} {aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa}

@item Version:

@tab 0.0.1

@item GPGME Version:

@tab 1.13.0

@item Author:

@tab Ben McGinnes <ben@@gnupg.org>

@item Author GPG Key:

@tab DB4724E6FA4286C92B4E55C4321E4E2373590E5D

@item Language:

@tab Australian English, British English

@item

xml:lang:
@tab en-AU, en-GB, en
@end multitable

The following are all the past @emph{What's New} sections for the Python Bindings HOWTO and other documentation.

@menu
* What Was New in GPGME 1120::
@end menu

@node What Was New in GPGME 1120
@section What Was New in GPGME 1120

The most obviously new point for those reading this guide is this section on other new things, but that's hardly important. Not given all the other things which spurred the need for adding this section and its subsections.

@menu
* New in GPGME 1120::
@end menu

@node New in GPGME 1120
@subsection New in GPGME 1120

There have been quite a number of additions to GPGME and the Python bindings to it since the last release of GPGME with versions 1.11.0 and 1.11.1 in April, 2018.

The bullet points of new additions are:

@itemize
@item
an expanded section on @uref{gpgme-python-howto#installation, installing} and @uref{gpgme-python-howto#snafu, troubleshooting} the Python bindings.

@item
The release of Python 3.7.0; which appears to be working just fine with our bindings, in spite of intermittent reports of problems for many other Python projects with that new release.

@item
Python 3.7 has been moved to the head of the specified python versions list in the build process.

@item
In order to fix some other issues, there are certain underlying functions which are more exposed through the @uref{gpgme-python-howto#howto-get-context, gpg.Context()}, but

ongoing documentation ought to clarify that or otherwise provide the best means of using the bindings. Some additions to `@samp{gpg.core}` and the `@samp{Context()}`, however, were intended (see below).

@item

Continuing work in identifying and confirming the cause of oft-reported `@uref{gpgme-python-howto#snafu-runtime-not-funtime}`, problems installing the Python bindings on Windows}.

@item

GSOC: Google's Surreptitiously Ordered Conscription `@dots{}` erm `@dots{}` oh, right; Google's Summer of Code. Though there were two hopeful candidates this year;

only one ended up involved with the GnuPG

Project directly, the other concentrated on an unrelated third party project with closer ties to one of the GNU/Linux distributions than to the GnuPG Project. Thus the Python bindings benefited from GSOC participant Jacob Adams, who added the `key@math{_import}` function; building on prior work by Tobias Mueller.

@item

Several new methods functions were added to the `gpg.Context()`, including: `@uref{gpgme-python-howto#howto-import-key}`, `key@math{_import}`, `@uref{gpgme-python-howto#howto-export-key}`, `key@math{_export}`, `@uref{gpgme-python-howto#howto-export-public-key}`, `key@math{_export}@math{_minimal}` and `@uref{gpgme-python-howto#howto-export-secret-key}`, `key@math{_export}@math{_secret}`.

@item

Importing and exporting examples include versions integrated with Marcel Fest's recently released `@uref{https://github.com/Selfnet/hkp4py}`, HKP for Python} module. Some `@uref{gpgme-python-howto#hkp4py}`, additional notes on this module} are included at the end of the HOWTO.

@item

Instructions for dealing with semi-walled garden implementations like ProtonMail are also included. This is intended to make things a little easier when communicating with users of ProtonMail's services and should not be construed as an endorsement of said service. The GnuPG Project neither favours, nor disfavors ProtonMail and the majority of this deals with interacting with the ProtonMail keyserver.

@item

Semi-formalised the location where `@uref{gpgme-python-howto#draft-editions}`, draft versions} of this HOWTO may periodically be accessible. This is both for the reference of others and testing the publishing of the document itself. Renamed this file at around the same time.

@item

The Texinfo documentation build configuration has been replicated from the parent project in order to make to maintain consistency with that project (and actually ship with each release).

@item

a reStructuredText (`@samp{.rst}`) version is also generated for Python

developers more used

to and comfortable with that format as it is

the standard Python documentation format and Python developers may

wish to use it with Sphinx. Please note that there has been no

testing of the reStructuredText version with Sphinx at all. The

reST file was generated by the simple expedient of using [@uref{https://pandoc.org/}](https://pandoc.org/), Pandoc).

@item

Added a new section for [@uref{gpgme-python-howto#advanced-use}](#), advanced or experimental use}.

@item

Began the advanced use cases with [@uref{gpgme-python-howto#cython}](#), a section} on using the module with

[@uref{https://cython.org/}](https://cython.org/), Cython}.

@item

Added a number of new scripts to the [@samp{example/howto/}](#) directory;

some of which may be in advance of their planned sections of the

HOWTO (and some are just there because it seemed like a good idea at

the time).

@item

Cleaned up a lot of things under the hood.

@end itemize

@bye

Additional license notices for GPGME.

-*- org -*-

This file contains the copying permission notices for various files in

the GPGME distribution which are not covered by the GNU Lesser

General Public License (LGPL) or the GNU General Public License (GPL).

These notices all require that a copy of the notice be included

in the accompanying documentation and be distributed with binary

distributions of the code, so be sure to include this file along

with any binary distributions derived from the GNU C Library.

* MIT License

For files:

- cJSON.c, cJSON.h

#+begin_quote

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```
#+end_quote
# -*- mode: org -*-
#+TITLE: Maintenance Mode
#+AUTHOR: Ben McGinnes
#+LATEX_COMPILER: xelatex
#+LATEX_CLASS: article
#+LATEX_CLASS_OPTIONS: [12pt]
#+LATEX_HEADER: \usepackage{xltextra}
#+LATEX_HEADER: \usepackage[margin=1in]{geometry}
#+LATEX_HEADER: \setmainfont[Ligatures={Common}]{Times New Roman}
#+LATEX_HEADER: \author{Ben McGinnes <ben@gnupg.org>}
```

```
* Maintenance Mode from 2019
:PROPERTIES:
:CUSTOM_ID: maintenance-mode
:END:
```

```
| Version:      | 0.0.1          |
| GPGME Version: | 1.13.0        |
| Author:       | Ben McGinnes <ben@gnupg.org> |
| Author GPG Key: | DB4724E6FA4286C92B4E55C4321E4E2373590E5D |
| Language:     | Australian English, British English |
| xml:lang:     | en-AU, en-GB, en |
```

From the beginning of 2019 the Python bindings to GPGME will enter maintenance mode, meaning that new features will not be added and only bug fixes and security fixes will be made.

This also means that documentation beyond that existing at the end of 2018 will not be developed further except to correct errors.

Though use of these bindings appears to have been quite well received, there has been no indication of what demand there is, if any for either financial backing of the current Python bindings development or support contracts with g10code GmbH citing the necessity of including the bindings.


```
** Maintainer from 2019 onward
:PROPERTIES:
:CUSTOM_ID: maintenance-mode-bm
:END:
```

How does this affect the position of GnuPG Python Bindings Maintainer?

Well, I will remain as maintainer of the bindings; but without funding for that position, the amount of time I will be able to dedicate solely to this task will be limited and reduced to volunteered time. As with all volunteered time and effort in free software projects, this will be subject to numerous external imperatives.

```
** Using the Python Bindings from 2019 and beyond
:PROPERTIES:
:CUSTOM_ID:
maintenance-mode-blade-runner
:END:
```

For most, if not all, Python developers using these bindings; they will continue to just work the same as they always have. Expansions of GPGME itself are usually handled by SWIG with the existing code and thus bindings are generated properly when the bindings are installed alongside GPGME and when the latter is built from source.

In the rare circumstances where that is not enough to address some new addition to GPGME, then that is a bug and thus subject to the maintenance mode provisions (i.e. it will be fixed following a bug report being raised and your humble author will need to remember where the timesheet template was filed, depending on how many years off such an event is).

All the GPGME functionality will continue to be accessible via the lower level, dynamically generated methods which match the GPGME C documentation. While the more intuitively Pythonic higher level layer already covers the vast majority of functionality people require with key generation, signatures, certifications (key signing), encryption, decryption, verification, validation, trust levels and so on.

Any wanted features lacking in the Python bindings are usually lacking because they are missing from GPGME itself (e.g. revoking keys via the API) and in such cases they are usually deliberately excluded. More discussion of these issues can be found in the archives of the [\[https://lists.gnupg.org/mailman/listinfo/gnupg-devel\]](https://lists.gnupg.org/mailman/listinfo/gnupg-devel) [\[gnupg-devel mailing list\]](#).

Any features existing in the dynamically generated layer for which people want a specific, higher level function included to make it more Pythonic (e.g. to avoid needing to learn or memorise cryptographic mode values or GnuPG status code numbers), would be a feature request and /not/ a bug.

It is still worthwhile requesting it, but the addition of such a feature would not be guaranteed and provided on a purely volunteer basis. Expediting such a request would require funding that request.

Those

with a commercial interest in expediting such a feature request already know how to [[<https://gnupg.org/cgi-bin/procdonate.cgi?mode=preset>][expedite it]] (use the message field to state what feature is being requested).

**** Documentation formats**

:PROPERTIES:

:CUSTOM_ID: docs

:END:

The documentation has been written in Org mode for GNU Emacs, with both Texinfo and reStructuredText formats generated from that. The Texinfo files are intended for use with the rest of the GnuPG documentation; while the reStructuredText files are intended for use with Docutils and Sphinx, as with other Python projects.

***** Cautionary Notes regarding Sphinx and EPUB**

:PROPERTIES:

:CUSTOM_ID: sphinx-made-epubs-suck

:END:

Though Python's Docutils in conjunction with Sphinx is capable of generating some very useful HTML sites, as proven by [[<https://readthedocs.org/>][Read the Docs]] and the [[<https://docs.python.org/>][Python documentation]], there are a number of output formats it does not

handle well. At the top of the list of things it manages to break so atrociously as to be embarrassing is the [[<http://idpf.org/epub/>][EPUB 3]] format.

The automatically generated EPUB of the CPython documentation always contains hundreds of validation errors and even the modest amount of documentation here [[<https://files.au.adversary.org.s3.amazonaws.com/crypto/gpgme-python/rst/epub/GPGMEPythonBindings.epub>][produced a file]] with approximately thirty validation errors. As the volume of documentation content increases, so does the induced errors. Whereas Texinfo doesn't produce EPUB

output at all, nor does Org-mode.

Should there ever be genuine demand for this format, lodge a [\[\[https://dev.gnupg.org/maniphest/task/edit/form/4/\]\]](https://dev.gnupg.org/maniphest/task/edit/form/4/) feature request]] case marked for [\[\[https://dev.gnupg.org/p/BenM/\]\]](https://dev.gnupg.org/p/BenM/) my]] attention. The means of generating such files flawlessly is already available, but is not yet part of the GnuPG build system. Nor is it integrated with a means of converting Org

mode input files to the relevant base format automatically, as can already be done when converting Org to reStructuredText or Org to Texinfo. As a certain amount of work would be required to get it done, there would need to be clear demand for that work to be done. Just GNU it!

```
(11:private-key(3:dsa(1:p129:eC_L&$2,6tx.gh1VirlqI9
,^g3.$DveUvX1'oIj)(1:q21: #UfK2z(tuVG)(1:g128:zu^Rab;qeQQA B?/6/aspfE/
gx!Mr0YY*oMrJc2xWG:.r6)(1:y128:Uf]j^@oEn4j#QrRq" RcEa E/}4C[3A
5+~~.#!+
)W&5dij)(1:x21:` )))
2011-12-02 Werner Koch <wk@g10code.com>
```

NB: ChangeLog files are no longer manually maintained. Starting on December 1st, 2011 we put change information only in the GIT commit log, and generate a top-level ChangeLog file from logs at "make dist". See doc/HACKING for details.

2011-10-25 Marcus Brinkmann <marcus@g10code.com>

- * m4/pth.m4: Removed.
- * configure.ac: Remove check for pth and automake conditional HAVE_PTH.

2011-06-16 Marcus Brinkmann <marcus@g10code.com>

Release 1.3.1

- * configure.ac: Set LT version to C19/A8/R0.

2011-05-06 Marcus Brinkmann <marcus@g10code.com>

- * Makefile.am (SUBDIRS): Remove complus.
- * configure.ac (AC_CONFIG_FILES): Remove complus/Makefile. (BUILD_COMPLUS): Remove AM_CONDITIONAL.
- * complus/: Remove very old and stale component.
- * acinclude.m4 (GNUPG_FIX_HDR_VERSION): Remove.

2011-04-14 Werner Koch <wk@g10code.com>

* configure.ac: Require automake 1.11.

2011-04-06 Werner Koch <wk@g10code.com>

* autogen.sh (--build-w32):

Support option --build-w64.

* configure.ac (HAVE_W64_SYSTEM): Define.

(INSERT__TYPEDEFS_FOR_GPGME_H): New.

(GPGME_CONFIG_HOST): New.

2011-02-02 Marcus Brinkmann <mb@g10code.com>

* configure.ac (NEED_LIBASSUAN_VERSION): Bump to 2.0.2 for system hooks.

2010-12-30 Werner Koch <wk@g10code.com>

* configure.ac: Support a git revision.

2010-11-03 Werner Koch <wk@g10code.com>

* configure.ac (AC_CHECK_HEADERS): Check for sys/types.h and
sys.stat.h.

2010-11-02 Werner Koch <wk@g10code.com>

* configure.ac (AC_CHECK_HEADERS): Check for sys.time.h.

2010-08-19 Werner Koch <wk@g10code.com>

* configure.ac (AH_BOTTOM): Define GPG_ERR_ENABLE_ERRNO_MACROS.

2010-05-12 Marcus Brinkmann <marcus@g10code.de>

* configure.ac: Check for setlocale.

2010-05-07 Werner Koch <wk@g10code.com>

* configure.ac: Change checks to always require libassuan.

2010-05-07 Marcus Brinkmann <marcus@g10code.de>

* autogen.sh: Update the thing.

* configure.ac: Check for locale.h.

2010-05-06

Marcus Brinkmann <marcus@g10code.de>

- * configure.ac: Detect Windows CE.
(HAVE_W32CE_SYSTEM): New symbol and automake conditional.
- * ltmain.sh, m4/libtool.m4: Patch so that it works for Windows CE.

- * configure.ac: Require libgpg-error 1.8.

2010-03-15 Werner Koch <wk@g10code.com>

- * configure.ac (emacs_local_vars_begin)
(emacs_local_vars_read_only, emacs_local_vars_end): New.

2010-01-22 Werner Koch <wk@g10code.com>

- * autogen.sh (--build-w32): Add --with-libassuan-prefix.

2010-01-11 Marcus Brinkmann <marcus@g10code.de>

Release 1.3.0.

2009-12-22 Marcus Brinkmann <marcus@g10code.de>

- * configure.ac: Do not use echo -n. Test for __thread.

2009-12-17 Marcus Brinkmann <marcus@g10code.de>

- * configure.ac: Make largefile check more robust.

2009-12-10 Werner Koch <wk@g10code.com>

- * configure.ac: Check for getgid and getegid.

2009-12-08 Marcus Brinkmann <marcus@g10code.de>

Update to libtool 2.2.6a.
* configure.ac: Invoke AC_CONFIG_MACRO_DIR.
(AC_LIBTOOL_WIN32_DLL,
AC_LIBTOOL_RC): Replace by ...
(LT_PREREQ, LT_INIT, LT_LANG): ... these.
* config.guess, config.sub, install-sh, ltmain.sh, m4/libtool.m4:
Updated to libtool 2.2.6a.
* m4/ltoptions.m4, m4/ltsugar.m4, m4/ltversion.m4,
m4/lt~obsolete.m4: New files from libtool 2.2.6a.

2009-11-10 Marcus Brinkmann <marcus@g10code.de>

- * configure.ac: Activate UIServer if FD passing is enabled and

Assuan is available.

2009-10-30 Marcus Brinkmann <marcus@g10code.de>

* configure.ac: Check for argp.h and error_t.

2009-10-26 Marcus Brinkmann <marcus@g10code.de>

* configure.ac (NEED_GPG_VERSION_DEFAULT): Bump to 1.4.0 as 1.3.0 was development versions only.

2009-10-22 Marcus Brinkmann <marcus@g10code.de>

* configure.ac: Add support for G13.

2009-10-20 Marcus Brinkmann <marcus@g10code.de>

* configure.ac (AC_CONFIG_FILES): Remove assuan/Makefile.

2009-10-20 Marcus Brinkmann <marcus@g10code.de>

* configure.ac: Replace internal libassuan by external libassuan.

* m4/libassuan.m4:

New file.

* Makefile.am (assuan): Remove variable.

(SUBDIRS): Remove \${assuan}.

* assuan/: Removed.

2009-06-22 Marcus Brinkmann <marcus@g10code.de>

* configure.ac: Add AC_TYPE_UINTPTR_T.

* assuan/assuan.h [_ASSUAN_IN_GPGME_BUILD_ASSUAN]: Declare _gpgme_io_connect.

2009-06-18 Marcus Brinkmann <marcus@g10code.de>

Released GPGME 1.2.0.

* configure.ac (my_version): Set to 1.2.0.

(LIBGPGME_LT_CURRENT, LIBGPGME_LT_AGE): Bump.

(LIBGPGME_LT_REVISION): Reset.

2009-05-05 Marcus Brinkmann <marcus@g10code.de>

* configure.ac: Add infrastructure for compile time check of _FILE_OFFSET_BITS.

2009-04-19 Moritz <moritz@gnu.org>

* Makefile.am (DISTCHECK_CONFIGURE_FLAGS): Specify --with-gpg.

2009-03-06 Marcus Brinkmann <marcus@g10code.de>

* assuan/: Update to libassuan SVN 2009-03-06.

2009-01-26 Werner Koch <wk@g10code.com>

* configure.ac (AC_CONFIG_FILES): Add tests/opassuan/Makefile.

2008-12-08 Marcus Brinkmann <marcus@g10code.de>

Release GPGME

1.1.8.

* configure.ac: Bump API revision.

2008-11-03 Marcus Brinkmann <marcus@g10code.com>

* configure.ac: Replace gpgme paths with src.

* gpgme: Move to ...

* src: ... this new directory.

2008-10-20 Werner Koch <wk@g10code.com>

* configure.ac (AC_CONFIG_FILES): Add gpgme.h.

(GNUPG_FIX_HDR_VERSION): Remove.

2008-10-17 Marcus Brinkmann <marcus@g10code.com>

Release GPGME 1.1.7.

* configure.ac (LIBGPGME_LT_REVISION): Bump for release.

2008-09-19 Moritz <moritz@gnu.org>

* configure.ac: Remove bogus "esac".

2008-09-16 Marcus Brinkmann <marcus@g10code.com>

* configure.ac (_XOPEN_SOURCE) [apple-darwin]: Define it.

2008-07-04 Werner Koch <wk@g10code.com>

* config.guess, config.sub: Update to 2007-11-19. Also update missing et al scripts.

2008-04-01 Werner Koch <wk@g10code.com>

- * configure.ac (AC_INIT): Fix quoting.

2008-01-30 Marcus Brinkmann <marcus@g10code.de>

- * configure.ac: Bump required version of automake up to 1.10.
- * autogen.sh: Fix
aclocal check.

2008-01-04 Marcus Brinkmann <marcus@g10code.de>

Release GPGME 1.1.6.

- * configure.ac: Support gpgconf.

2007-09-27 Marcus Brinkmann <marcus@g10code.de>

- * assuan-pipe-connect.c (pipe_connect_gpgme): Do not close process
handle here. Use this function also on Unix systems.

- * assuan-pipe-connect.c (pipe_connect_gpgme): Fix last change.

- * assuan-pipe-connect.c (pipe_connect_gpgme): New function, use it
if _ASSUAN_IN_GPGME_BUILD_ASSUAN.

2007-09-17 Werner Koch <wk@g10code.com>

- * configure.ac: Use the svn version magic.

2007-09-07 Marcus Brinkmann <marcus@g10code.de>

- * configure.ac: Check for C++, Qt and support --enable-w32-qt.
- * m4/pkg.m4: New file.

2007-08-21 Marcus Brinkmann <marcus@g10code.de>

- * configure.ac (--enable-w32-glib): Use --enableval, not
--withval.

2007-07-16 Marcus Brinkmann <marcus@g10code.de>

- * assuan/assuan-socket.c (_assuan_close): Always use close().
- * assuan/assuan.h (_gpgme_io_close): New prototype.
(close): New
macro, define as _gpgme_io_close.

2007-07-13 Marcus Brinkmann <marcus@g10code.de>

* assuan/assuan-io.c (_assuan_simple_read, _assuan_simple_write):
Always use read/write (which means _gpgme_io_read and
_gpgme_io_write).

2007-07-09 Marcus Brinkmann <marcus@g10code.de>

Released 1.1.5.

* configure.ac (LIBGPGME_LT_REVISION): Bump for release.

2007-07-08 Marcus Brinkmann <marcus@g10code.de>

* configure.ac (GPGSM_DEFAULT) [*-mingw32*]: Initialize it.
(HAVE_ASSUAN_H): Set to 1 if we have it.
(funopen): Use AC_REPLACE_FUNCS.
(USE_DESCRIPTOR_PASSING): Define to 1 if we have it. Do not
define it at all if we don't.
(NETLIBS) [have_w32_system]: Add -lws2_32.
(DIRSEP_C, DIRSEP_S, EXPSEP_C, EXPSEP_S, PATHSEP_S)
[HAVE_DOSISH_SYSTEM]: Remove definitions.

* assuan/assuan.h (_assuan_funopen): Define to _gpgme_funopen.
* assuan/funopen.c: Move to ../gpgme/funopen.c.
* assuan/Makefile.am (libassuan_la_SOURCES): Remove funopen.c.

2007-07-04 Marcus Brinkmann <marcus@g10code.de>

*
assuan/Makefile.am (INCLUDES): Include \$(top_srcdir)/gpgme.
* assuan/assuan.h: Include <ath.h> instead of trying to duplicate
the definitions.

* assuan/: Update files to 2007-07-04 version of assuan.

* autogen.sh: Use = not == in test.

2007-03-05 Werner Koch <wk@g10code.com>

Released 1.1.4.

* configure.ac (LIBGPGME_LT_REVISION): Bump for release.

* autogen.sh: New option --force.

2007-01-29 Marcus Brinkmann <marcus@g10code.de>

Released 1.1.3.

* configure.ac (LIBGPGME_LT_REVISION): Bump for release.

2007-01-26 Werner Koch <wk@g10code.com>

* configure.ac: Changed gpg and gpgsm version checks to work with arbitrary names of the gpg binary. New option --disable-gpg-test and --disable-gpgsm-test.

2007-01-09 Werner Koch <wk@g10code.com>

* configure.ac (NEED_GPG_VERSION, NEED_GPGSM_VERSION): Must define after it may have been changed by an option.

2007-01-08 Werner Koch <wk@g10code.com>

* configure.ac: Require gpg-error 1.4 due to the use of gpg_error_from_syserror.
(HAVE_ASSUAN_H):
New.

2007-01-05 Marcus Brinkmann <marcus@g10code.de>

* configure.ac: Add options --with-gpg-version and --with-gpgsm-version to allow overriding the minimum version requirements.

2006-12-17 Marcus Brinkmann <marcus@g10code.de>

* configure.ac: Fix two typos in last change.

2006-12-03 Marcus Brinkmann <marcus@g10code.de>

* configure.ac: Use descriptor passing only if --enable-fd-passing is provided.

* configure.ac: Add check for use of descriptor passing.

2006-11-29 Marcus Brinkmann <marcus@g10code.de>

* configure.ac (NEED_GPG_VERSION): Bump to 1.3.0.

2006-09-19 Marcus Brinkmann <marcus@g10code.de>

* configure.ac: Turn stpcpy into a replacement function.
Check for unistd.h and add setenv as replacement function.

2006-07-29 Marcus Brinkmann <marcus@g10code.de>

* configure.ac: Check for network libraries and set NETLIBS.

2006-07-06 Marcus Brinkmann <marcus@g10code.de>

* lang, lang/cl: New subdirectories.

*

lang/Makefile.am, lang/README: New files.

* configure.ac (AC_CONFIG_FILES): Add lang/Makefile,
lang/cl/Makefile and lang/cl/gpgme.asd.

* Makefile.am (SUBDIRS): Add lang.

2006-03-02 Marcus Brinkmann <marcus@g10code.de>

* configure.ac (LIBGPGME_LT_REVISION): Bump for release.

2006-02-22 Marcus Brinkmann <marcus@g10code.de>

Released 1.1.1.

* configure.ac (LIBGPGME_LT_CURRENT, LIBGPGME_LT_AGE): Bump for
release.

(LIBGPGME_LT_REVISION): Reset to 0 for release.

2006-01-05 Werner Koch <wk@g10code.com>

* configure.ac: Test for inline feature.

(AH_BOTTOM): New to define the pure attribute.

2006-01-03 Werner Koch <wk@g10code.com>

* configure.ac: Append SVN revision to the version.

2005-11-18 Werner Koch <wk@g10code.com>

* configure.ac (BUILD_REVISION): New.

2005-11-17 Marcus Brinkmann <marcus@g10code.de>

* configure.ac: Add support for --enable-w32-glib (disabled by
default). Invoke AM_PATH_GLIB_2_0.

2005-11-16 Werner Koch <wk@g10code.com>

* configure.ac

(CFLAGS) [W32]: Make sure that -mms-bitfields are used.

2005-11-15 Werner Koch <wk@g10code.com>

- * configure.ac: Create BUILD_FILEVERSION from SVN Revision.
- * autogen.sh [W32]: Build shared and static versions of the library.

2005-10-20 Marcus Brinkmann <marcus@g10code.de>

- * w32-dll/ChangeLog, w32-dll/build-dll, w32-dll/gpgme.def: Remove files.
- * configure.ac: Instead checking for windres and dlltool, invoke AC_LIBTOOL_WIN32_DLL and AC_LIBTOOL_RC.
- * src/Makefile.am [HAVE_W32_SYSTEM]: Use libtool, which simplifies the rules.

2005-10-01 Marcus Brinkmann <marcus@g10code.de>

Released 1.1.0.

- * configure.ac (LIBGPGME_LT_CURRENT, LIBGPGME_LT_AGE): Bump for release.
- (LIBGPGME_LT_REVISION): Reset to 0 for release.

2005-09-12 Marcus Brinkmann <marcus@g10code.de>

- * configure.ac (HAVE_PTH): Don't add \$PTH_CFLAGS to \$CFLAGS here.

2005-08-26 Werner Koch <wk@g10code.com>

- * configure.ac (SEPCONSTANTS): New to define DIRSEP_C et al.

2005-08-19 Werner Koch <wk@g10code.com>

- *
configure.ac [W32]: Create values for versioninfo.rc and list substitute versioninfo.rc.
- * configure.ac: Define ENABLE_GPGSM.

2005-08-08 Werner Koch <wk@g10code.com>

- * configure.ac (stpcpy): Changed from replace to test.

2005-03-24 Marcus Brinkmann <marcus@g10code.de>

- * configure.ac (AH_BOTTOM): Removed.

2005-03-09 Werner Koch <wk@g10code.com>

* acinclude.m4 (GNUPG_CHECK_VA_COPY): Assume no when cross-compiling.

* Makefile.am (EXTRA_DIST): Include autogen.sh

* autogen.sh: Added the usual code to build for W32 (--build-w32).

* configure.ac: Fixed the mingw32 host string, removed OS/2 stuff.

(HAVE_DRIVE_LETTERS): Removed.

(HAVE_W32_SYSTEM): Added.

(AC_GNU_SOURCE): New to replace the identical AH_VERBATIM.

(AH_BOTTOM): Added.

2004-12-28 Werner Koch <wk@g10code.com>

Released 1.0.2.

* Makefile.am (AUTOMAKE_OPTIONS): Build bzip 2 version.

(ACLOCAL_AMFLAGS): Add -I m4.

* configure.ac: Require automake 1.9.3 and autoconf 2.59.

* acinclude.m4:

Changed quoting for automake 1.9.

* README: Use SHA1 instead of MD5.

2004-12-11 Marcus Brinkmann <marcus@g10code.de>

* configure.ac: Replace ttyname_r if it doesn't exist (and warn in that case).

2004-12-07 Marcus Brinkmann <marcus@g10code.de>

* README: Refer to COPYING.LESSER and "each file" instead of COPYING.

* COPYING.LESSER: New file.

* gpgme.spec.in (%doc): Add COPYING.LESSER.

* acinclude.m4, configure.ac, Makefile.am: Change license to LGPL 2.1 or later.

* TODO: Add copyright notice.

* README.CVS: Likewise.

* configure.ac (GPGSM_VERSION): Fix filter to get it.

2004-10-22 Marcus Brinkmann <marcus@g10code.de>

Released 1.0.1.

* configure.ac (LIBGPGME_LT_REVISION): Bump up to 2.

(AC_INIT): Set version to 1.0.1.

* configure.ac: Set HAVE_GPGSM to true only if \$GPGSM is not "no".

2004-09-30 Marcus Brinkmann <marcus@g10code.de>

Released 1.0.0.

* configure.ac (LIBGPGME_LT_REVISION): Bump up to 1.
(AC_INIT): Set version to 1.0.0.

* Makefile.am
(EXTRA_DIST): Remove README-alpha.
* README-alpha: Remove file.

2004-09-17 Marcus Brinkmann <marcus@g10code.de>

* configure.ac: Disable AC_CONFIG_MACRO_DIR for now.

2004-09-14 Marcus Brinkmann <marcus@g10code.de>

* configure.ac: Improve diagnostics with version check.

* configure.ac: Print diagnostics about found thread libraries at
the end. Check for the versions of GPG and GPGSM and print the
found versions at the end.
(HAVE_GPGSM): Do not require GPGSM to exist and be readable.
(AC_CONFIG_MACRO_DIR): Invoke with argument m4.

* acinclude.m4: Add copyright notice.
(jm_GLIBC21, AM_PATH_GPG_ERROR, _AC_PTH_ERROR, _AC_PTH_VERBOSE,
AC_CHECK_PTH): Removed.

2004-06-23 Marcus Brinkmann <marcus@g10code.de>

* configure.ac: Check for <sys/uio.h>.

2004-06-08 Marcus Brinkmann <marcus@g10code.de>

Released 0.9.0.

* configure.ac (AC_INIT): Set version number to 0.9.0.
(LIBGPGME_LT_CURRENT, LIBGPGME_LT_AGE): Bump up by one.
(LIBGPGME_LT_REVISION): Reset to zero.

2004-05-21

Marcus Brinkmann <marcus@g10code.de>

* configure.ac (GPGME_CONFIG_API_VERSION): New variable,

substitute it.

2004-04-29 Marcus Brinkmann <marcus@g10code.de>

Released 0.4.7.

* configure.ac (LIBGPGME_LT_REVISION): Bump it up.

2004-04-02 Thomas Schwinge <schwinge@nic-nac-project.de>

* autogen.sh: Added ACLOCAL_FLAGS.

2004-04-06 Werner Koch <wk@gnupg.org>

Released 0.4.6.

* config.guess, config.sub, ltmain.sh: Updated to those from libtools 1.5.4.

2004-03-07 Marcus Brinkmann <marcus@g10code.de>

Released 0.4.5.

* configure.ac (NEED_GPGSM_VERSION): Bump up to 1.9.6.

* Makefile.am (EXTRA_DIST): Remove autogen.sh and README.CVS.

2004-02-18 Werner Koch <wk@gnupg.org>

* configure.ac: Make the check for funopen fail with just a warning.

2004-02-11 Werner Koch <wk@gnupg.org>

* autogen.sh (check_version): Removed bashism and simplified.

2004-02-10 Werner Koch <wk@gnupg.org>

* configure.ac: Fixed funopen test change.

2004-02-06 Moritz Schulte
<mo@g10code.com>

* configure.ac: Fix funopen replacement mechanism.

2004-01-31 Marcus Brinkmann <marcus@g10code.de>

* configure.ac: Add invocation of AC_SYS_LARGEFILE, AC_TYPE_OFF_T

and AC_FUNC_FSEEKO.

2004-01-12 Werner Koch <wk@gnupg.org>

Released 0.4.4.

- * configure.ac: Bumbed LT_Revision; now at C12/A1/R1.
- (NEED_GPGSM_VERSION): Set to 1.9.3.
- (min_automake_version): Added.
- * README.CVS: New.
- * Makefile.am (EXTRA_DIST): Added README.CVS.
- * autogen.sh: Updated.

2003-11-19 Werner Koch <wk@gnupg.org>

- * acinclude.m4: Add AM_PATH_GPG_ERROR.
- * configure.ac: Check for timegm. Made warning messages more prominent.

2003-10-06 Marcus Brinkmann <marcus@g10code.de>

Released 0.4.3.

- * configure.ac (LIBGPGME_LT_CURRENT, LIBGPGME_LT_AGE): Bump up by 1.
- (LIBGPGME_LT_REVISION): Set to 0.

2003-09-13 Marcus Brinkmann <marcus@g10code.de>

- * configure.ac: Require libgpg-error 0.5.
- * acinclude.m4: Remove libtool cruft, add jm_GLIBC21.
- * configure.ac: Add check for getenv_r, and call jm_GLIBC21.
- Define HAVE_THREAD_SAFE_GETENV if appropriate.

2003-09-03 Marcus Brinkmann <marcus@g10code.de>

- * configure.ac: Remove GPGME_CONFIG_LIBS and GPGME_CONFIG_CFLAGS.

2003-09-02 Marcus Brinkmann <marcus@g10code.de>

- * configure.ac: Move invocation of AC_CANONICAL_HOST up to suppress warning by autoconf.

2003-08-30 Robert Schiele <rschiele@uni-mannheim.de>

- * gpgme.spec.in: %{_infodir}/dir is not packaged, remove to prevent checking failure.

2003-08-18 Marcus Brinkmann <marcus@g10code.de>

* configure.ac: If building Assuan, check for funopen and fopencookie, and make isascii, putc_unlocked and memrchr replacement functions.

(AM_PATH_GPG_ERROR); Require 0.3.

2003-07-31 Marcus Brinkmann <marcus@g10code.de>

* configure.ac (AC_INIT): Bump version to 0.4.3.

2003-07-30 Marcus Brinkmann <marcus@g10code.de>

* configure.ac (LIBGPGME_LT_REVISION): Bump up to 1.

Released 0.4.2.

2003-07-08 Marcus Brinkmann <marcus@g10code.de>

* configure.ac:

Complain if libgpg-error is not found.

2003-06-22 Marcus Brinkmann <marcus@g10code.de>

* configure.ac (AC_INIT): Bump version to 0.4.2.

2003-06-06 Marcus Brinkmann <marcus@g10code.de>

* configure.ac (LIBGPGME_LT_CURRENT): Bump up to 11.

* configure.ac: Use AM_PATH_GPG_ERROR.

* configure.ac: Check for libgpg-error. Define GPG_ERR_SOURCE_DEFAULT.

2003-05-26 Marcus Brinkmann <marcus@g10code.de>

* configure.ac (NEED_GPG_VERSION): Bump up to 1.2.2.

2003-05-18 Marcus Brinkmann <marcus@g10code.de>

In all files, replace the Gpgme* type names with the new gpgme_* type names.

2003-02-01 Marcus Brinkmann <marcus@g10code.de>

* assuan/: Update files to 2002-11-10 version of assuan.

2003-01-29 Marcus Brinkmann <marcus@g10code.de>

* bonobo/gpgme.c, bonobo/main.c, bonobo/main.h, bonobo/Makefile,
bonobo/Makefile.am, bonobo/Makefile.in: Dead files removed.

* configure.ac: Remove automake conditional BUILD_BONOBO
(AC_CONFIG_FILES): Remove bonobo/Makefile.

*

Makefile.am (bonobo): Remove variable.
(SUBDIRS): Remove \${bonobo}.

* configure.ac: Remove all uses of GNUPG_CHECK_TYPEDEF, for byte,
ushort, ulong, u16 and u32.

* acinclude.m4 (GNUPG_CHECK_TYPEDEF): Remove macro.

2002-12-24 Marcus Brinkmann <marcus@g10code.de>

* configure.ac: New conditional HAVE_LD_VERSION_SCRIPT.
Call AC_CANONICAL_HOST, use host instead target.

2002-12-23 Marcus Brinkmann <marcus@g10code.de>

* configure.ac: Bump up to 0.4.1.

Released 0.4.0.

2002-12-23 Marcus Brinkmann <marcus@g10code.de>

* autogen.sh (automake_vers): Require 1.7 (really 1.7.1) for the
conditional source distribution bug fix.

2002-12-08 Marcus Brinkmann <marcus@g10code.de>

* configure.ac (LIBGPGME_LT_CURRENT): Increase by one.
(LIBGPGME_LT_AGE, LIBGPGME_LT_REVISION): Set to 0.

2002-11-28 Marcus Brinkmann <marcus@g10code.de>

* NEWS: Add note about moving "gpgmeplug" to the "cryptplug"
package.

* README: Remove instructions related to "gpgmeplug".

* configure.ac:

Remove enable option "gpgmeplug" and automake
conditional BUILD_GPGMEPLUG, as well as the status info about it.
(GPGMEPLUG): Remove variable.

* Makefile.am (gpgmeplug): Remove variable.

(SUBDIRS): Remove \${gpgmeplug}.

* cryptplug.h, gpgme-openpgp.c, gpgmeplug.dox, gpgme-smime.c,

Makefile.am, gpgmeplug.c, ChangeLog: Files removed.

2002-11-22 Marcus Brinkmann <marcus@g10code.de>

* configure.ac: Disable GPGSM for all dosish systems.

2002-10-12 Marcus Brinkmann <marcus@g10code.de>

* configure.ac: Add automake conditional HAVE_GPGSM.

2002-10-08 Marcus Brinkmann <marcus@g10code.de>

* configure.ac (AC_INIT): Bump version up to 0.4.0.

(NEED_GPG_VERSION): Bump up to 1.2.0.

(NEED_GPGSM_VERSION): Bump up to 0.9.0.

* README: Update version numbers.

* NEWS: Start entry for 0.4.0.

2002-09-20 Werner Koch <wk@gnupg.org>

Released 0.3.11.

* configure.ac: Bump up LIBGPGME_LT_REVISION.

* configure.ac (AC_CHECK_HEADERS): Check for sys/select.h.

2002-09-04 Marcus Brinkmann

<marcus@g10code.de>

* autogen.sh (autoconf_vers): Bump up to 2.53 to get the @&t@
quadrigraph. Always cutting the edge!

2002-09-02 Marcus Brinkmann <marcus@g10code.de>

* configure.ac: Create and substitute LTLIBOBJS.

2002-09-02 Marcus Brinkmann <marcus@g10code.de>

Released 0.3.10.

* NEWS: Update for 0.3.9 release.

* configure.ac: Bump up LIBGPGME_LT_REVISION.

2002-08-29 Marcus Brinkmann <marcus@g10code.de>

* gpgme.spec.in: Changed user name in Wojciech Polak's email
address from ghostface to polak per request by himself.

2002-08-28 Werner Koch <wk@gnupg.org>

- * acinclude.m4 (GNUPG_CHECK_VA_COPY): New.
- * configure.ac: Use it.

2002-08-23 Werner Koch <wk@gnupg.org>

- * configure.ac (GPGME_CONFIG_CFLAGS): Renamed from GPGME_CFLAGS and removed the libpath because it is set by the config script.

2002-08-21 Marcus Brinkmann <marcus@g10code.de>

- * configure.ac: Bump version number to 0.3.10.
- * NEWS: Add template for development version.

2002-08-21

Marcus Brinkmann <marcus@g10code.de>

Released 0.3.9.

- * NEWS: Update for 0.3.9 release.
- * Makefile.am (EXTRA_DIST): Add gpgme.spec.in.

2002-08-21 Marcus Brinkmann <marcus@g10code.de>

- * jnlib/argparse.c, jnlib/argparse.h, jnlib/ChangeLog, jnlib/dotlock.c, jnlib/dotlock.h, jnlib/libjnlib-config.h, jnlib/logging.c, jnlib/logging.h, jnlib/Makefile.am, jnlib/mischelp.h, jnlib/README, jnlib/stringhelp.c, jnlib/stringhelp.h, jnlib/strlist.c, jnlib/strlist.h, jnlib/types.h, jnlib/xmalloc.c, jnlib/xmalloc.h: Remove files.

2002-08-21 Marcus Brinkmann <marcus@g10code.de>

- * Makefile.am (SUBDIRS): Remove jnlib.
- * configure.ac: Don't check for unsigned short or unsigned long. Don't check for memicmp, strlwr, strtoul, memmove, stricmp. Make stpcpy a replaced function. Don't define HAVE_JNLIB_LOGGING. Don't generate jnlib/Makefile.

2002-07-02 Werner Koch <wk@gnupg.org>

- * configure.ac: Bumped version number to 0.3.9; add a comment on when to change it.
- * gpgme.spec.in:

New. Contributed by Wojciech Polak.

* Makefile.am (dist-hook): New.

* AUTHORS: Added Wojciech and bug reporting addresses.

2002-06-25 Werner Koch <wk@gnupg.org>

Released 0.3.8.

* configure.ac: Bumbed LT version to 9/3/0.

(NEED_GPGSM_VERSION): Need 0.3.8 due to fixed export command.

2002-06-04 Marcus Brinkmann <marcus@g10code.de>

Released 0.3.7.

* configure.ac (AC_INIT): Set version to 0.3.7.

(LIBGPGME_LT_REVISION): Add one.

* README: Document version requirement correctly.

2002-06-02 Marcus Brinkmann <marcus@g10code.de>

* acinclude.m4: Fix Pth check so that it doesn't error out if pth is not found.

2002-06-02 Marcus Brinkmann <marcus@g10code.de>

* configure.ac: Add checks for Pth and pthreads.

* acinclude.m4: Add slightly hacked check for pth (seems to be an autoconf version problem).

2002-05-21 Werner Koch <wk@gnupg.org>

* configure.ac (NEED_GPGSM_VERSION): We need gpgsm 0.3.7.

2002-05-03 Werner Koch <wk@gnupg.org>

Released 0.3.6.

2002-04-05

Marcus Brinkmann <marcus@g10code.de>

* acconfig.h: File removed.

* configure.ac (NEED_GPG_VERSION): Add description.

(NEED_GPGSM_VERSION): Likewise.

(HAVE_DOSISH_SYSTEM): Likewise.

(HAVE_DRIVE_LETTERS): Likewise.

(GPG_PATH): Likewise.

(GPGSM_PATH): Likewise.

* acinclude.m4 (GNUPG_CHECK_TYPEDEF): Likewise.

2002-04-01 Werner Koch <wk@gnupg.org>

Released 0.3.5.

2002-03-17 Marcus Brinkmann <marcus@g10code.de>

* configure.ac: Add automake conditional HAVE_DOSISH_SYSTEM.

2002-03-04 Werner Koch <wk@gnupg.org>

* configure.ac: Bumbed version to 0.3.4-cvs to continue development.

Released 0.3.4.

* configure.ac: Bumbed LT version numbers to (7,1,0), requires
gpgsm 0.3.1.

2002-03-03 Marcus Brinkmann <marcus@g10code.de>

* configure.ac (AC_INIT): Change version number to snapshot CVS
version.

2002-02-13 Werner Koch <wk@gnupg.org>

* configure.ac (vasprintf,fopencookie): Add checks.

2002-02-12 Marcus Brinkmann <marcus@g10code.de>

* configure.ac (AC_INIT):

Bump version to 0.3.3.

* jnlib/Makefile.am: Revert to older version that includes xmalloc
but not dotlock and some other files. Reported by Stphane
Corthsy.

2002-02-10 Marcus Brinkmann <marcus@g10code.de>

* Released 0.3.2.

* configure.ac (AC_INIT): Bump version to 0.3.2.

* jnlib/libjnlibconfig.h: Revert to older version that doesn't
expect libgcrypt. Reported by Jose Carlos Garcia Sogo
<jsogo@debian.org>.

2002-02-09 Marcus Brinkmann <marcus@g10code.de>

* Released 0.3.1.

* configure.ac (LIBGPGME_LT_CURRENT): Bump it up to 6!
(NEED_GPGSM_VERSION): Bump it up to 0.3.0!
(AC_INIT): Bump version to 0.3.1

2002-01-22 Marcus Brinkmann <marcus@g10code.de>

* configure.ac (HAVE_JNLIB_LOGGING): Define always for assuan.

2001-12-19 Werner Koch <wk@gnupg.org>

* configure.ac (VERSION,PACKAGE): Defined and subst. Used for
AM_INIT_AUTOMAKE and moved all version number more to the top.

2001-12-18 Marcus Brinkmann <marcus@g10code.de>

* autogen.sh (libtool_vers):
Bump to 1.4.

* configure.ac (LIBGPGME_LT_CURRENT): Increment.
(LIBGPGME_LT_AGE): Reset.
Improve comment.
Fix wrong comment character.

2001-12-18 Werner Koch <wk@gnupg.org>

* acinclude.m4 (GNUPG_FIX_HDR_VERSION): Fixed for new automake.

2001-12-14 Marcus Brinkmann <marcus@g10code.de>

* configure.ac (GPG): Substitute this variable.
(GPGSM): Likewise.

2001-11-22 Marcus Brinkmann <marcus@g10code.de>

* configure.ac (AC_CONFIG_FILES): Add tests/gpg/Makefile and
tests/gpgsm/Makefile.

2001-11-21 Marcus Brinkmann <marcus@g10code.de>

* Makefile.am (gpgmeplug): New variable, set to gpgmeplug if
[BUILD_GPGMEPLUG].
* configure.ac (AC_CONFIG_FILES): Add gpgmeplug/Makefile.
Support --enable-gpgmeplug.

2001-11-21 Marcus Brinkmann <marcus@g10code.de>

* autogen.sh: Tighten version dependencies.

2001-11-20 Marcus Brinkmann <marcus@g10code.de>

* Makefile.am (SUBDIRS): Support building the assuan library (currently if GPGSM_PATH is set)..

* configure.ac: Support building the assuan library.

* assuan: New directory, populated with the Assuan library (copied from the newpg repository).

2001-11-20 Marcus Brinkmann <marcus@g10code.de>

* configure.ac (NEED_GPGSM_VERSION): New variable. Treat it similarly to NEED_GPG_VERSION.

* acconfig.h: Likewise.

2001-11-18 Marcus Brinkmann <marcus@g10code.de>

* configure.in: Renamed to ...

* configure.ac: ... this. Update to autoconf 2.52. Lots of small changes in the transition. Support --with-gpg=PATH and --with-gpgsm=PATH options. Check if test suites can be run.

* acconfig.h: Add GPGSM_PATH.

* Makefile.am: New variable `tests', set to `tests' if RUN_GPG_TESTS.

(SUBDIRS): Replace string `tests' with variable `tests'.

2001-10-22 Marcus Brinkmann <marcus@g10code.de>

* autogen.sh: Invoke automake with `-a' (add missing files). Do not invoke configure.

2001-09-17 Werner Koch <wk@gnupg.org>

Released 0.2.3.

* configure.in (NEED_GPG_VERSION): Set to 1.0.6. Incremented LT current and age.

* Makefile.am (SUBDIRS): Add doc

2001-06-12 Werner Koch <wk@gnupg.org>

Released 0.2.2.

2001-04-05 Werner Koch <wk@gnupg.org>

* configure.in (NEED_GPG_VERSION): Set to 1.0.4g

2001-04-02 Werner Koch <wk@gnupg.org>

Released 0.2.1.

Changed the copyright notices all over the place.

2001-02-28 Werner Koch <wk@gnupg.org>

Released 0.2.0.

2001-01-18 Werner Koch <wk@gnupg.org>

* autogen.sh: Added option --build-w32.

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2011-12-02 Werner Koch <wk@g10code.com>

NB: ChangeLog files are no longer manually maintained. Starting
on December 1st, 2011 we put change information only in the GIT
commit log, and generate a top-level ChangeLog file from logs at
"make dist". See doc/HACKING for details.

2011-05-11 Marcus Brinkmann <marcus@g10code.com>

* gpgsm/Makefile.am (DISTCLEANFILES): Move to ...
(CLEANFILES): ... here.
(clean-local): New rule.
* gpg/Makefile.am (DISTCLEANFILES): Move to ...
(CLEANFILES): ... here.

2011-05-05 Marcus Brinkmann <marcus@g10code.com>

* gpg/Makefile.am: Unset GPG_AGENT_INFO when setting up local
configuration.

(clean-local): Shut down local gpg-agent.

2011-05-04 Marcus Brinkmann <marcus@g10code.com>

* gpg/t-import.c (check_result): Complete secret key pair counting and disable status check, as GPG 2.1 currently emits two IMPORT_OK lines and we only look at the first.

2011-04-27 Marcus Brinkmann <marcus@g10code.com>

* gpg/Makefile.am (DISTCLEANFILES):
Add S.gpg-agent.
(mkdemodirs, ./Alpha/Secret.gpg): Remove targets.
(GNUPGHOME): Export as absolute build directory (for gpg-agent).
(./pubring.gpg): Remove --homedir option, import secdemo.asc.
(clean-local): Rewrite.
* gpg/secdemo.asc: New file.
* gpg/pubkey-1.asc, gpg/seckey-1.asc: Change passphrase to "abc" (now needed as GnuPG 2.1 asks for secret key passphrase on import).
* gpg/t-keylist.c (keys): Update key info for Joe Random Hacker.
(main): Disable check for can_encrypt, as this is now in a different subkey.
* gpg/t-encrypt-sign.c (check_result): Allow RMD160 hash algorithm.
* gpg/t-import.c (check_result): One secret key pair now counts as two secret keys, allow that.

2009-11-03 Werner Koch <wk@g10code.com>

* run-support.h (fail_if_err): Include program name.
* run-sign.c (main): Add option --uiserver.

2009-10-26 Marcus Brinkmann <marcus@g10code.de>

* opassuan/t-command.c: Update to new interface.

2009-10-15 Werner Koch <wk@g10code.com>

* run-verify.c:
New.

2009-08-06 Werner Koch <wk@g10code.com>

* run-sign.c: New.

2009-07-07 Werner Koch <wk@g10code.com>

* run-keylist.c (main): Add options --cms and --openpgp.

* gpg/pgp-keylist.c: Rename to ...

* run-keylist.c: ... this.

* gpg/pgp-import.c: Rename to ...

* run-import.c: ... this.

* gpg/pgp-export.c: Rename to ...

* run-export.c: ... this.

* run-support.h: New. Copied from gpg/t-support.h.

* gpg/Makefile.am (noinst_PROGRAMS): Remove them.

* Makefile.am (noinst_PROGRAMS): Add them.

(noinst_HEADERS): New.

2009-06-22 Marcus Brinkmann <marcus@g10code.de>

* gpg/t-support.h (passphrase_cb): Implement write() according to the book to silence compiler warning.

* gpgsm/t-support.h (passphrase_cb): Likewise.

2009-06-16 Werner Koch <wk@g10code.com>

* gpg/pgp-import.c: New.

* gpg/t-support.h (print_import_result, nonnull): Factored out from other tools.

* gpg/pgp-export.c, gpg/pgp-keylist.c: New.

2009-06-09 Werner Koch <wk@g10code.com>

* gpg/Makefile.am

(./pubring.gpg): Ignore errors in case of already imported keys. Add --no-permission-warning and remove obsolete --allow-secret-key-import.

* gpg/mkdemodirs.in (GPG): Add --no-permission-warning.

* gpg/t-edit.c (edit_fnc): Use gpgme_io_write.

2009-04-19 Moritz <moritz@gnu.org>

* gpg/Makefile.am (EXTRA_DIST): Replaced mkdemodirs with mkdemodirs.in.

(mkdemodirs): New target.

(clean-local): Added command for removing mkdemodirs script.

(./Alpha/Secret.gpg): Added dependency on mkdemodirs.

* gpg/mkdemodirs: Renamed to ...

* gpg/mkdemodirs.in: ... here.

* gpg/mkdemodirs.in (GPG): Derive value from @GPG@ instead of

hard-coding "gpg".

2009-02-24 Werner Koch <wk@g10code.com>

* opassuan/t-command.c: Adjust for changed new op_assuan interface.

2009-02-03 Werner Koch <wk@g10code.com>

* gpg/t-keylist.c (main): Check that new fields is_cardkey and card_number are not set.

2009-01-26 Werner Koch <wk@g10code.com>

* opassuan/: New.

* opassuan/Makefile.am:

New.

* opassuan/t-command.c: New.

2008-12-03 Marcus Brinkmann <marcus@g10code.de>

* Makefile.am (INCLUDES): Fix path to include file.

* gpg/Makefile.am (INCLUDES), gpgsm/Makefile.am (INCLUDES): Likewise.

2008-11-18 Werner Koch <wk@g10code.com>

* gpgsm/cms-decrypt.c: New.

2008-11-03 Marcus Brinkmann <marcus@g10code.com>

* gpgsm/Makefile.am (INCLUDES, LDADD): Replace gpgme path with src.

* gpg/Makefile.am (INCLUDES, LDADD, t_thread1_LDADD): Likewise.

* Makefile.am (LDADD): Likewise.

2008-10-30 Werner Koch <wk@g10code.com>

* gpgsm/cms-keylist.c: New.

2008-06-19 Werner Koch <wk@g10code.com>

* gpg/t-gpgconf.c (dump_arg): Add new types. Print strings in quotes.

2008-01-28 Marcus Brinkmann <marcus@g10code.de>

* gpg/Makefile.am (DISTCLEANFILES): Add pubring.kbx~.

2008-01-10 Marcus Brinkmann <marcus@g10code.de>

* gpg/t-gpgconf.c (main): Allow for dirmngr not to be available.

* gpg/Makefile.am (./gpg-agent.conf): Correct pinentry path.

* gpg/pinentry:

New file.

* gpg/Makefile.am (DISTCLEANFILES, all-local): Add gpg-agent.conf
(./gpg-agent.conf): New target.

(EXTRA_DIST): Add pinentry.

* gpg/t-gpgconf.c (main): Exit early if compiled without gpgconf.

2008-01-04 Marcus Brinkmann <marcus@g10code.de>

* gpg/Makefile.am (CLEANFILES): Add pubring.kbx and dirmngr.conf.

* Makefile.am (TESTS_ENVIRONMENT): Use absolute path for
GNUPGHOME.

* gpg/Makefile.am (TESTS_ENVIRONMENT): Use absolute path for
GNUPGHOME.

* gpgsm/Makefile.am (TESTS_ENVIRONMENT): Use absolute path for
GNUPGHOME.

* gpg/Makefile.am (TESTS): Add t-gpgconf.

t-gpgconf.c: New file.

2007-11-23 Marcus Brinkmann <marcus@g10code.de>

* gpgsm/t-verify.c (show_auditlog): Check for GPG_ERR_ASS_UNKNOWN_CMD.

2007-11-23 Werner Koch <wk@g10code.com>

* gpgsm/t-verify.c (check_result): Don't exit on error but set a flag.

(main): Consult flag for return value.

(show_auditlog): New.

(main): Use it.

2007-09-27 Marcus Brinkmann <marcus@g10code.de>

* t-engine-info.c

(check_engine_info): Fix debug output.

* gpg/Makefile.am (tests_unix): New variable.

(TESTS): Use it.

* gpg/t-support.h (passphrase_cb) [HAVE_W32_SYSTEM]: Use WriteFile instead of write.

* gpg/t-wait.c [HAVE_W32_SYSTEM]: Define sleep as _sleep.

2007-09-14 Marcus Brinkmann <marcus@g10code.de>

* gpgsm/t-verify.c (main): Release TEXT and SIG.

2007-07-12 Marcus Brinkmann <marcus@g10code.de>

* gpgsm/Makefile.am (key_id): Change := into =.

2007-07-12 Werner Koch <wk@g10code.com>

* gpgsm/t-support.h (init_gpgme) [W32]: Do not init the locales as the constants are not available.

2007-02-26 Werner Koch <wk@g10code.com>

* gpg/t-verify.c (double_plaintext_sig): New.
(main): Check it.

2006-12-02 Marcus Brinkmann <marcus@g10code.de>

* gpgsm/t-keylist.c (main): Skip unknown keys. Newer versions of GPGSM import more keys than older ones.

2005-12-06 Werner Koch <wk@g10code.com>

* gpg/t-keylist.c (main): Changed for that secondary keys now have a fingerprint.

*

gpg/t-keylist-sig.c (main): Ditto.

* gpgsm/t-keylist.c (main): Ditto. The test used to be wrong.

2005-10-18 Werner Koch <wk@g10code.com>

* gpg/pubdemo.asc, gpg/secdemo.asc: Add 2 expired subkeys to Whisky.

* gpg/t-keylist.c: Reordered list to match new demo keyring. Add arg for number of subkeys and for extra checking function.

(main): Enhanced a few error outputs. Changed subkey counting. Call extra checking function.

(check_whisky): New.

2005-10-07 Marcus Brinkmann <marcus@g10code.de>

* gpgsm/t-keylist.c (main): Allow for an email address as a second uid.

* gpg/t-sig-notation.c: Change critical notation to something GnuPG understands.

2005-10-01 Marcus Brinkmann <marcus@g10code.de>

* gpg/Makefile.am (EXTRA_DIST): Remove gpg.conf.
(DISTCLEANFILES): Add gpg.conf.
(all-local): Add gpg.conf.
(./gpg.conf): New target.
* gpg/gpg.conf: Remove file.

* gpg/Makefile.am (EXTRA_DIST): Add gpg.conf.

* gpg/Makefile.am (TESTS): Add t-sig-notation.
* gpg/t-sig-notation.c
(check_result): New file.
* gpg/t-verify.c (check_result): Also check the length of the
notation data.
* gpg/gpg.conf: New file.

2005-09-30 Marcus Brinkmann <marcus@g10code.de>

* gpg/Makefile.am (TESTS): Add t-filename.
* gpg/t-filename.c: New file.

2005-09-23 Werner Koch <wk@g10code.com>

* gpg/t-support.h (init_gpgme) [W32]: Don't use LC_MESSAGES.

* gpg/t-encrypt-large.c: New test.
* gpg/Makefile.am (TESTS): Add t-encrypt-large.

2005-06-03 Marcus Brinkmann <marcus@g10code.de>

* gpg/Makefile.am (TESTS): Add t-wait.
* gpg/t-wait.c (main): New test.

2004-12-07 Marcus Brinkmann <marcus@g10code.de>

* gpg/mkdemodirs: Add copyright notice.

* gpgsm/Makefile.am, gpgsm/t-support.h, gpgsm/t-decrypt.c,
gpgsm/t-encrypt.c, gpgsm/t-export.c, gpgsm/t-genkey.c,
gpgsm/t-import.c, gpgsm/t-keylist.c, gpgsm/t-sign.c,
gpgsm/t-verify.c, gpg/Makefile.am, gpg/t-decrypt.c,
gpg/t-decrypt-verify.c, gpg/t-edit.c, gpg/t-encrypt.c,
gpg/t-encrypt-sign.c, gpg/t-encrypt-sym.c,
gpg/t-eventloop.c,
gpg/t-export.c, gpg/t-genkey.c, gpg/t-import.c, gpg/t-keylist.c,
gpg/t-keylist-sig.c, gpg/t-sign.c, gpg/t-signers.c,
gpg/t-support.h, gpg/t-thread1.c, gpg/t-trustlist.c,
gpg/t-verify.c, Makefile.am, t-data.c, t-engine-info.c,
t-version.c: Change license to LGPL.

2004-08-17 Marcus Brinkmann <marcus@g10code.de>

* gpgsm/t-keylist.c (struct): Add new fields VALIDITY and KEY_LENGTH.

(main): Use them.

* gpgsm/t-import.c (check_result): New argument total_stat.

(main): Pass this argument. Reduce number of total considered keys to 1 for the second test.

2004-04-05 Werner Koch <wk@gnupg.org>

* gpgsm/Makefile.am: Changed the faked system time to 20011213T12000.

2004-03-07 Marcus Brinkmann <marcus@g10code.de>

* gpgsm/t-keylist.c: Add chain IDs.

2004-03-03 Werner Koch <wk@gnupg.org>

* gpgsm/t-export.c (main): Also check exporting 2 certificates.

2004-02-17 Werner Koch <wk@gnupg.org>

* gpgsm/t-import.c (check_result): gpgsm does now return info in the result->imports; adjust for that.

* gpgsm/Makefile.am (TESTS_ENVIRONMENT): Reset the GPG_AGENT_INFO.

Include config.h at the top of each C source. This is required due to LFS support.

* gpg/t-keylist-sig.c (main): s/class/sig_class/.

* gpg/t-signers.c (check_result): Ditto.

* gpg/t-sign.c (check_result): Ditto.

* gpg/t-encrypt-sign.c (check_result): Ditto.

* gpgsm/t-sign.c (check_result): Ditto.

2004-01-12 Werner Koch <wk@gnupg.org>

* gpg/t-keylist-sig.c (main): Temporary disabled one test due top gpg 1.3.4 problems.

* gpg/t-import.c (check_result): Likewise.

2003-11-19 Werner Koch <wk@gnupg.org>

* gpg/t-support.h (DIM): Added.

* gpg/t-verify.c (check_result): Rewrote test for notations because the order of notations is not guaranteed.

* gpgsm/t-support.h (fail_if_err): Also print the numeric values.

2003-10-06 Marcus Brinkmann <marcus@g10code.de>

* gpg/t-eventloop.c: Include <sys/types.h> for old systems.

* gpgsm/Makefile.am
(DISTCLEANFILES): Add random_seed.

* gpg/t-thread1.c (thread_one): Do not call initialize_gpgme. Likewise.

2003-09-14 Marcus Brinkmann <marcus@g10code.de>

* gpg/t-thread1.c (main): Call init_gpgme here.
(initialize_gpgme): Function removed.

* gpg/t-thread1.c: New file.
* gpg/Makefile.am (TESTS): Add t-thread1.c.
(t_thread1_LDADD): New variable.
(LDADD): Remove GPG Error lib.
* gpgsm/Makefile.am (LDADD): Likewise.

* gpg/t-import.c (main): Likewise.
* gpg/t-keylist-sig.c (main): Likewise.
* gpg/t-keylist.c (main): Likewise.
* gpg/t-sign.c (main): Likewise.
* gpg/t-signers.c (main): Likewise.
* gpg/t-trustlist.c (main): Likewise.
* gpgsm/t-support.h: Include <stdlib.h> and <locale.h>.
(init_gpgme): New function.
* gpg/t-support.h: Likewise.
* gpgsm/t-verify.c (main): Call init_gpgme.
* gpgsm/t-decrypt.c (main): Likewise.
* gpgsm/t-encrypt.c (main): Likewise.
* gpgsm/t-export.c (main): Likewise.
* gpgsm/t-genkey.c (main): Likewise.
* gpgsm/t-import.c (main):
Likewise.
* gpgsm/t-keylist.c (main): Likewise.
* gpgsm/t-sign.c (main): Likewise.
* gpg/t-verify.c (main): Call init_gpgme.
* gpg/t-decrypt-verify.c (main): Likewise.
* gpg/t-decrypt.c (main): Likewise.

- * gpg/t-edit.c (main): Likewise.
- * gpg/t-encrypt-sign.c (main): Likewise.
- * gpg/t-encrypt-sym.c (main): Likewise.
- * gpg/t-encrypt.c (main): Likewise.
- * gpg/t-eventloop.c (main): Likewise.
- * gpg/t-export.c (main): Likewise.
- * gpg/t-genkey.c (main): Likewise.

2003-08-14 Marcus Brinkmann <marcus@g10code.de>

- * gpg/t-sign.c (check_result): Change output format for signature class to unsigned int.
- * gpg/t-signers.c (check_result): Likewise.
- * gpg/t-encrypt-sign.c (check_result): Likewise.
- * gpgsm/t-sign.c (check_result): Likewise.

2003-07-31 Marcus Brinkmann <marcus@g10code.de>

- * gpg/t-verify.c (check_result): Change type of SUMMARY to unsigned int.
- * gpg/t-decrypt-verify.c (check_verify_result): Likewise.
- * gpg/t-keylist-sig.c (keys): Change type of member CLASS to unsigned int.
- * t-data.c (read_cb): Change type of AMOUNT to unsigned int.
- * t-version.c (version): Remove unused variable.

2003-07-22 Marcus Brinkmann <marcus@g10code.de>

- * Makefile.am (AM_CPPFLAGS): New variable.
- (LDADD): Add @GPG_ERROR_LIBS@.
- * gpg/Makefile.am (AM_CPPFLAGS): New variable.
- (LDADD): Add @GPG_ERROR_LIBS@.
- * gpgsm/Makefile.am (AM_CPPFLAGS): New variable.
- (LDADD): Add @GPG_ERROR_LIBS@.

2003-06-06 Marcus Brinkmann <marcus@g10code.de>

Everywhere: Use libgpg-error error codes.

- * gpg/Makefile.am (noinst_HEADERS): New variable.
- * gpg/t-support.h: New file.
- * gpgsm/Makefile.am (noinst_HEADERS): New variable.
- * gpgsm/t-support.h: New file.

2003-05-29 Marcus Brinkmann <marcus@g10code.de>

- * gpg/t-encrypt-sym.c (main): Adapt to new syntax.

- * gpg/t-encrypt.c (main): Likewise.
- * gpg/t-eventloop.c (main): Likewise.
- * gpg/t-encrypt-sign.c (main): Likewise.
- * gpgsm/t-export.c (main): Likewise.
- * gpgsm/t-encrypt.c (main): Likewise.

2003-05-28 Marcus

Brinkmann <marcus@g10code.de>

- * gpg/t-eventloop.c (main): Rewrite recipient management.
- * gpg/t-encrypt-sign.c (main): Likewise.
- * gpg/t-encrypt.c (main): Likewise.
- * gpg/t-export.c (main): Likewise.
- * gpgsm/t-encrypt.c (main): Likewise.
- * gpgsm/t-export.c (main): Likewise.

2003-05-27 Marcus Brinkmann <marcus@g10code.de>

- * gpg/Makefile.am (TESTS): Order t-keylist and t-keylist-sig after t-import.
- * gpg/t-edit.c (edit_fnc): Fix primary UID for keylisting tests.
- * gpg/t-keylist.c: Change order of user IDs.
- * gpg/t-keylist-sig.c: Likewise.
- * gpg/t-import.c: Add support for gpg in CVS.

2003-05-27 Marcus Brinkmann <marcus@g10code.de>

- * t-data.c: Remove TEST_OUT_CB.
(main): Likewise.
- * gpg/t-trustlist.c (main): Access ITEM directly.
- * (t-decrypt-verify.c, t-decrypt.c, t-edit.c, t-encrypt-sign.c, t-encrypt-sym.c, t-sign.c, t-signers.c): Include <unistd.h>.
(passphrase_cb): Rewritten.
- * t-edit.c (edit_fnc): Rewritten.

2003-05-04 Marcus Brinkmann <marcus@g10code.de>

- *
gpg/t-keylist-sig.c (main): Remove timestamp check.
- * gpgsm/t-keylist.c: Add check for timestamp.
- * gpg/Makefile.am (TESTS): Add t-keylist-sig.
- * gpg/t-keylist-sig.c: New file.

2003-04-30 Marcus Brinkmann <marcus@g10code.de>

* gpg/t-eventloop.c (main): Do not call print_op_info.
(print_op_info): Function removed.

* gpg/t-keylist.c: Rewritten.
* gpgsm/t-keylist.c (main): Rewritten.
* gpg/t-edit.c (main): Do not use gpgme_key_get_as_xml. Use
gpgme_key_unref instead gpgme_key_release.
* gpg/t-signers.c (main): Use gpgme_key_unref instead
gpgme_key_release.

2003-04-29 Marcus Brinkmann <marcus@g10code.de>

* gpg/t-trustlist.c: Rewritten.

* gpg/t-verify.c (main): Rewritten.
* gpg/t-decrypt-verify.c: Rewritten.
* gpgsm/t-verify.c (main): Rewritten.

2003-04-28 Marcus Brinkmann <marcus@g10code.de>

* gpgsm/t-decrypt.c (main): Rewritten.

* gpg/t-decrypt.c: Rewritten.

* gpg/t-signers.c: Rewritten.

2003-04-27 Marcus Brinkmann <marcus@g10code.de>

*
gpg/t-encrypt-sign.c (check_result): Rewritten.

* gpg/t-sign.c: Rewritten.
* gpgsm/t-sign.c: Rewritten.
* gpg/t-encrypt.c: Check for invalid recipients.
* gpgsm/t-encrypt.c: Likewise.

* gpg/t-import.c (check_result): Really use FPR.
* gpgsm/t-import.c (check_result): Rewritten.

2003-04-25 Marcus Brinkmann <marcus@g10code.de>

* gpg/t-import.c: Rewritten.

* gpgsm/t-genkey.c: Rewritten.
* gpgsm/Makefile.am (noinst_PROGRAMS): Add t-genkey.
* gpg/t-genkey.c: Include <stdlib.h>.
(main): Check result->fpr before checking its length.

2003-04-24 Marcus Brinkmann <marcus@g10code.de>

- * gpg/t-genkey.c: Rewritten to match new semantics.

2003-02-06 Marcus Brinkmann <marcus@g10code.de>

- * gpg/t-decrypt.c (passphrase_cb): Fix to new prototype.
- * gpg/t-decrypt-verify.c (passphrase_cb): Likewise.
- * gpg/t-edit.c (passphrase_cb): Likewise.
- * gpg/t-encrypt-sign.c (passphrase_cb): Likewise.
- * gpg/t-encrypt-sym.c (passphrase_cb): Likewise.
- * gpg/t-sign.c (passphrase_cb): Likewise.
- *
- gpg/t-signers.c (passphrase_cb): Likewise.

2003-01-30 Marcus Brinkmann <marcus@g10code.de>

- * t-engine-info.c: Use file_name instead path throughout.
- * Makefile.am (TESTS): Add t-engine-info.
- * t-engine-info.c: New file.
- * gpg/t-encrypt.c (main): Don't print engine info.
- * gpg/t-eventloop.c (main): Likewise.
- * gpg/t-encrypt-sign.c (main): Likewise.
- * gpgsm/t-encrypt.c (main): Likewise.

2002-12-24 Marcus Brinkmann <marcus@g10code.de>

- * gpgsm/t-verify.c (main): Adjust caller of gpgme_op_verify.
- * gpg/t-verify.c (main): Likewise.
- * gpg/t-decrypt-verify.c (main): Likewise for gpgme_op_decrypt_verify.

2002-12-23 Marcus Brinkmann <marcus@g10code.de>

- * gpgsm/Makefile.am (./gpgsm.conf): Add a faked system time to avoid certification's expiry.
- * gpgsm/t-encrypt.c (main): Use the short certification name.

2002-11-19 Marcus Brinkmann <marcus@g10code.de>

- * gpg/t-genkey.c (main): Add missing argument to gpgme_op_genkey invocation.

2002-10-09 Marcus Brinkmann
<marcus@g10code.de>

- * gpg/t-decrypt.c (print_data): Update to new gpgme_data_read

interface, and use `gpgme_engine_check_version` instead

`gpgme_check_version`.

- * `gpg/t-decrypt-verify.c` (`print_data`): Likewise.

- * `gpg/t-edit.c` (`main`): Likewise.

- * `gpg/t-encrypt.c` (`print_data`): Likewise.

- * `gpg/t-encrypt-sign.c` (`print_data`): Likewise.

- * `gpg/t-encrypt-sym.c` (`print_data`): Likewise.

- * `gpg/t-eventloop.c` (`print_data`): Likewise.

- * `gpg/t-export.c` (`print_data`): Likewise.

- * `gpg/t-sign.c` (`print_data`): Likewise.

- * `gpg/t-signers.c` (`print_data`): Likewise.

- * `gpgsm/t-decrypt.c` (`print_data`): Likewise.

- * `gpgsm/t-encrypt.c` (`print_data`): Likewise.

- * `gpgsm/t-export.c` (`print_data`): Likewise.

- * `gpgsm/t-sign.c` (`print_data`): Likewise.

- * `gpg/t-verify.c` (`main`): Likewise for `gpgme_op_verify`.

- * `gpgsm/t-verify.c` (`main`): Likewise for `gpgme_op_verify`.

- * `t-data.c` (`read_once_test`): Likewise.

(`write_test`): Update for new behaviour of data objects.

(`main`): Remove type test.

2002-09-30 Werner Koch <wk@gnupg.org>

- *

- * `gpgsm/t-keylist.c` (`doit`): Add arg `SECRET`.

- (`main`): Add option `--secret`.

2002-09-28 Marcus Brinkmann <marcus@g10code.de>

- * `t-version.c`: Include `<string.h>`. Reported by Stphane Corthsy.

2002-09-02 Marcus Brinkmann <marcus@g10code.de>

- * `gpg/t-keylist.c` (`main`): Test `PATTERN` for `NULL` before printing.

Reported by Dr. Stefan Dalibor <Dr.Stefan.Dalibor@bfa.de>.

2002-08-01 Marcus Brinkmann <marcus@g10code.de>

- * `gpg/t-edit.c`: Also add a test for the `expire` command (testing the passphrase callback).

2002-07-28 Marcus Brinkmann <marcus@g10code.de>

- * `gpg/t-edit.c`: New file.

- * `gpg/Makefile` (`TESTS`): Add `t-edit`.

2002-07-25 Marcus Brinkmann <marcus@g10code.de>

* gpg/t-encrypt-sym.c (main): Change type of I to size_t and rename to LEN.
* gpg/t-verify.c (main): Likewise. Submitted by Stphane Cortsy.

2002-07-03 Marcus Brinkmann <marcus@g10code.de>

* gpg/t-eventloop.c: New file.
* gpg/Makefile (TESTS): Add t-eventloop.

2002-06-26 Werner Koch <wk@gnupg.org>

*
gpgsm/t-import.c (print_op_info): New.
(main): Print operation info.

2002-06-25 Werner Koch <wk@gnupg.org>

* gpgsm/Makefile.am (DISTCLEANFILES): new.

2002-06-25 Marcus Brinkmann <marcus@g10code.de>

* gpgsm/Makefile.am (TESTS): Add t-export.
gpgsm/t-export.c: New file.

2002-06-20 Werner Koch <wk@gnupg.org>

* gpgsm/t-sign.c (main): Also test a normal signature.

* gpg/Makefile (TESTS_ENVIRONMENT): Set GPG_AGENT_INFO empty.
* gpg/t-signers.c, gpg/t-sign.c, gpg/t-encrypt-sym.c
* gpg/t-encrypt-sign.c, gpg/t-decrypt.c
* gpg/t-decrypt-verify.c (main): Changed the GPG_AGENT_INFO check to match the one in ../gpgme/runpg.c.

2002-06-12 Werner Koch <wk@gnupg.org>

* gpgsm/t-keylist.c (doit): Print operation info if available.

2002-06-10 Werner Koch <wk@gnupg.org>

* gpgsm/t-verify.c (print_sig_stat): Print the error token.

2002-06-04 Werner Koch <wk@gnupg.org>

* gpgsm/t-encrypt.c (main): Add a simple option parser and allow to specify an encryption

key.

2002-05-26 Marcus Brinkmann <marcus@g10code.de>

* gpg/Makefile.am (all-local): Remove dependency on ./secreing.gpg.
(./secreing.gpg): Remove target, and move all rules for this target
to ...
(./pubring.gpg): ... here. This was necessary because GnuPG 1.0.7
does create an empty secreing.gpg file when importing public keys.

2002-05-08 Marcus Brinkmann <marcus@g10code.de>

* gpgsm/t-verify.c (validity_string): New.
(print_sig_stat): Print expire time and validity.
(status_string): Add new expired stati.

2002-05-03 Werner Koch <wk@gnupg.org>

* gpg/t-verify.c (validity_string): New.
(print_sig_stat): Print expire time and validity.
(status_string): Add new expired stati.

2002-04-05 Marcus Brinkmann <marcus@g10code.de>

* gpgsm/Makefile.am (./trustlist.txt): Put more into this file to
prevent use of gpg-agent.
(./gpg-agent.conf): Remove target.
(all-local): Remove ./gpg-agent.conf.

2002-04-05 Marcus Brinkmann <marcus@g10code.de>

* gpgsm/t-keylist.c
(main): Use gpgme_engine_check_version instead
gpgme_check_engine.
* gpgsm/t-encrypt.c (main): Likewise.

2002-03-06 Marcus Brinkmann <marcus@g10code.de>

* gpg/t-encrypt-sym.c: New file.
* gpg/Makefile.am (TESTS): Add t-encrypt-sym.

2002-03-05 Marcus Brinkmann <marcus@g10code.de>

* gpg/Makefile.am (CLEANFILES): Remove random_seed, which is now
in DISTCLEANFILES.

2002-03-04 Werner Koch <wk@gnupg.org>

* gpg/Makefile.am (DISTCLEANFILES): Added.

2002-03-03 Marcus Brinkmann <marcus@g10code.de>

* gpg/t-verify.c (main): Add a few more sanity checks, and a check for normal signatures.

2002-02-26 Marcus Brinkmann <marcus@g10code.de>

* gpg/t-encrypt-sign.c: New file.

* gpg/Makefile.am (TESTS): Add t-encrypt-sign.

2002-02-13 Werner Koch <wk@gnupg.org>

* gpgsm/Makefile.am (private-keys-v1.d): Don't fail when the directory already exists.

2002-02-12 Marcus Brinkmann <marcus@g10code.de>

* gpg/Makefile.am (CLEANFILES): New target.
(distclean-local): Rename to
...
(clean-local): ... this.

2002-02-09 Marcus Brinkmann <marcus@g10code.de>

* gpgsm/Makefile.am (./private-keys-v1.d/\$(key_id).key): Fix rule.

2002-02-09 Marcus Brinkmann <marcus@g10code.de>

* gpgsm/t-genkey.c: New file (not added to Makefile.am because of gpg-agent bug).

2002-02-08 Marcus Brinkmann <marcus@g10code.de>

* gpgsm/Makefile.am (key_id): Update value.
(all-local): Add .key to keyid filename.
(./private-keys-v1.d/\$(key_id)): Renamed to ...
(./private-keys-v1.d/\$(key_id).key): ... this.
(all-local): Add ./gpgsm.conf, ./trustlist.txt.
(./gpgsm.conf, ./trustlist.txt): New target.
* gpgsm/567064FE6D14A17B2D811ABB407728BC558AA455: Renamed to ...
* gpgsm/32100C27173EF6E9C4E9A25D3D69F86D37A4F939: ... this.

2002-01-30 Marcus Brinkmann <marcus@g10code.de>

* gpg/t-import.c (print_op_info): New function.
(main): Use it.

2002-01-22 Marcus Brinkmann <marcus@g10code.de>

- * gpg/t-signers.c (passphrase_cb): Change type of r_hd to void**.
- * gpg/t-sign.c (passphrase_cb): Likewise.
- * gpg/t-decrypt-verify.c (passphrase_cb): Likewise.
- * gpg/t-decrypt.c (passphrase_cb): Likewise.

2001-12-19 Marcus Brinkmann <marcus@g10code.de>

- * gpg/t-decrypt-verify.c: Don't include `mcheck.h'. Reported by Stphane Corthsy.

2001-12-19 Marcus Brinkmann <marcus@g10code.de>

- * gpg/Makefile.am (EXTRA_DIST): Add missing line continuation.

2001-12-19 Marcus Brinkmann <marcus@g10code.de>

- * gpgsm/Makefile.am (EXTRA_DIST): Add \$(key_id).

2001-12-16 Marcus Brinkmann <marcus@g10code.de>

- * gpgsm/Makefile: Rename `pubcerts.kbx' to `pubring.kbx'.

2001-12-15 Marcus Brinkmann <marcus@g10code.de>

- * gpgsm/t-keylist.c (check_two_contexts): Set protocols.

2001-12-14 Marcus Brinkmann <marcus@g10code.de>

- * gpgsm/t-sign.c: New file.
- * gpgsm/Makefile.am (TESTS): Add t-sign.

2001-12-14 Marcus Brinkmann <marcus@g10code.de>

- * gpgsm/t-decrypt.c: New file.
- * gpgsm/567064FE6D14A17B2D811ABB407728BC558AA455: Likewise.
- * gpgsm/Makefile.am (TESTS): Add t-decrypt.
- (key_id): New variable.
- (all-local): New target ./private-keys-v1.d/\$(key_id) added.
- (./private-keys-v1.d/\$(key_id)): New target.

2001-12-14 Marcus Brinkmann <marcus@g10code.de>

- * gpgsm/t-verify.c: New file.

* gpgsm/Makefile.am (TESTS): Add t-verify.

2001-12-14 Marcus Brinkmann <marcus@g10code.de>

* gpg/Makefile.am (GPG): Set to @GPG_PATH@.

(./pubring.gpg): Use \$(GPG) instead gpg.

(./secring.gpg): Likewise.

* gpgsm/t-import.c (main): Remove third test case.

* gpgsm/Makefile.am (GPGSM): Set to @GPGSM@.

(all-local): New target.

(./pubcerts.kbx): Likewise.

* gpgsm/t-encrypt.c: New file.

* gpgsm/Makefile.am (TESTS): Add t-encrypt.

2001-12-14 Marcus Brinkmann <marcus@g10code.de>

* gpgsm/t-keylist.c: New file.

* gpgsm/Makefile.am (TESTS): Add t-keylist.

2001-12-13 Marcus Brinkmann <marcus@g10code.de>

* gpgsm/cert_dfn_pca01.der: New file.

* gpgsm/cert_dfn_pca15.der: Likewise.

* gpgsm/cert_g10code_test1.der: Likewise.

* gpgsm/t-import.c: Likewise.

*

gpgsm/Makefile.am (EXTRADIST): Add new files.

(TESTS): Add t-import.

2001-11-22 Marcus Brinkmann <marcus@g10code.de>

* gpg/: New directory.

* Makefile.am, t-verify.c, t-encrypt.c, t-signers.c, t-trustlist.c,
t-sign.c, t-keylist.c, t-import.c, t-genkey.c, t-export.c,
t-decrypt-verify.c, t-decrypt.c, t-version.c, t-data.c, mkdemodirs.
cipher-1.asc, cipher-2.asc, geheim.txt, pubdemo.asc, pubkey-1.asc,
secdemo.asc, seckey-1.asc): Move to sub directory gpg/.

* gpg/Makefile.am (INCLUDES): Include gpgme/, not include/ and
intl/.

(LDD): Correct relative path to gpgme library.

(TESTS): Remove t-version and t-data.

* gpg/t-verify.c, gpg/t-encrypt.c, gpg/t-signers.c, gpg/t-trustlist.c,
gpg/t-sign.c, gpg/t-keylist.c, gpg/t-import.c, gpg/t-genkey.c,
gpg/t-export.c, gpg/t-decrypt-verify.c, gpg/t-decrypt.c,
t-version.c, t-data.c): Include gpgme.h, not "../gpgme/gpgme.h".

- * Makefile.am: New file.
- * gpgsm/: New directory.
- * gpgsm/Makefile.am: New file.

2001-11-16 Marcus

Brinkmann <marcus@g10code.de>

- * Makefile.am (TESTS): Add t-decrypt-verify.
- * t-decrypt-verify.c: New file.
- * cipher-2.asc: Likewise.

2001-11-02 Marcus Brinkmann <marcus@g10code.de>

- * t-data.c: Include stddef.h.
- (read_once_test): Change type of READ to size_t.
- (read_test): Likewise.
- (write_test): Likewise.

2001-10-29 Marcus Brinkmann <marcus@g10code.de>

- * t-signers.c: New file.
- * Makefile.am (TESTS): Add t-signers.

2001-10-22 Marcus Brinkmann <marcus@g10code.de>

- * Makefile.am (TEST_ENVIRONMENT): Revert last change.

2001-10-22 Marcus Brinkmann <marcus@g10code.de>

- * Makefile.am (TEST_ENVIRONMENT): Set environment to \$(srcdir), not current directory.

2001-10-22 Marcus Brinkmann <marcus@g10code.de>

- * t-data.c (write_test): New function.
- (main): Invoke write_test for all rounds except TEST_OUT_CB.

2001-10-22 Marcus Brinkmann <marcus@g10code.de>

- * Makefile.am (INCLUDES): Remove spurious duplicate to silence automake.

2001-10-16 Marcus Brinkmann <marcus@g10code.de>

- *
- t-version.c: New file.
- * t-data.c: Likewise.
- * t-data-1.txt: Likewise.

- * t-data-2.txt: Likewise.
- * Makefile.am (TESTS): Add t-version, t-data.

2001-09-17 Werner Koch <wk@gnupg.org>

- * t-keylist.c (check_two_contexts): New.

2001-09-03 Werner Koch <wk@gnupg.org>

- * t-encrypt.c (print_op_info): New and use it after each operation.

2001-08-28 Werner Koch <wk@gnupg.org>

- * t-sign.c (print_op_info): New and use it after each operation.

2001-03-15 Werner Koch <wk@gnupg.org>

- * t-keylist.c (doit): List subkeys too, show caps.

2001-02-13 Werner Koch <wk@gnupg.org>

- * t-verify.c (print_sig_stat): Repaled along by unsigned long because we don't use the config stuff here.

2001-02-12 Werner Koch <wk@gnupg.org>

- * tests/t-verify.c (print_sig_stat): Print info about the keys.

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-*- mode: org -*-

#+TITLE: What's New in the GPGME Python Bindings and Documentation

#+AUTHOR: Ben McGinnes

#+LATEX_COMPILER: xelatex

#+LATEX_CLASS: article

#+LATEX_CLASS_OPTIONS: [12pt]

#+LATEX_HEADER: \usepackage{xltextra}

#+LATEX_HEADER: \usepackage[margin=1in]{geometry}

```
#+LATEX_HEADER: \setmainfont[Ligatures={Common}]{Times New Roman}
#+LATEX_HEADER: \author{Ben McGinnes <ben@gnupg.org>}
```

* What's New

:PROPERTIES:

:CUSTOM_ID: new-stuff

:END:

```
| Version:      | 0.0.1          |
| GPGME Version: | 1.13.0         |
| Author:       | Ben McGinnes <ben@gnupg.org> |
| Author GPG Key: | DB4724E6FA4286C92B4E55C4321E4E2373590E5D |
| Language:     | Australian English, British English |
| xml:lang:     | en-AU, en-GB, en |
```

Last time the most obviously new thing was adding the /What's New/ section to the HOWTO. Now it's moving it out of the HOWTO.

** New in GPGME 1130

:PROPERTIES:

:CUSTOM_ID: new-stuff-1-13-0

:END:

Additions since GPGME 1.12.0 include:

- Moving the /What's New/ section out of the basic [\[\[file:gpgme-python-howto.org\]\]](http://file.gpgme-python-howto.org) document and into its own file so as to more readily include other documents beyond that HOWTO.
- Moving the preceding, archival, segments into [\[\[file:what-was-new.org\]\]](http://file.what-was-new.org) [another file].
- Added `=gpg.version.versionintlist=` to make it easier for Python developers to check for a specific version number, even with beta versions (it will drop the "-betaN" part).
- Added expanded detail on issues pertaining to installing for Windows users.
- Bindings enter [\[\[file:maintenance-mode\]\]](http://file.maintenance-mode) [maintenance mode] from January, 2019.
- Added documentation on maintenance mode and what changes can be made to the code when in that status. Essentially that boils down to bug fixes only and no feature requests.
- The `import-keys-hkp.py` example script, which uses the `=hkp4py=` module to search the SKS servers for a key, has been tightened up to search for both hexadecimal key IDs and user ID strings with reduced chance of unnecessary repetition. There may still be some repetition if a key includes a user ID matching the hexadecimal value of a key ID.

```

000
*H
010 UDE1!0U
Deutsches Forschungsnetz10UDFN-PCA1.0,U%DFN Top Level Certification Authority1!0 *H
certify@pca.dfn.de0
001102164724Z
011230180000Z010 UDE1!0U
Deutsches Forschungsnetz10UDFN-PCA1+0)U"DFN Server Certification Authority1!0 *H
certify@pca.dfn.de0"0
*H
0
W`r;wXu)QYHm1t]4?|-.B(iw6G01N>[mQSwC'muw~E'l-M
+<[A|F)F%
ZiRaW=OC,,meKW@J-*<,L}:Bnm-kv
EYBmu tt[-%,R+n0j0U00U0U{upz*D\
v0Ux0v09753http://www.pca.dfn.de/dfnpca/certify/ssl/dfnpca.crx09753http://www.pca.dfn.de/dfnpca/certify/ssl/dfn
pca.crl0 `HB0) `HBhttps://mystic.pca.dfn.de/0A `HB42http://www.pca.dfn.de/dfnpca/policy/wwwpolicy.html0 `HB
This certificate was issued by the DFN-PCA, the Top
Level Certification Authority of the German Research
Network (Deutsches Forschungsnetz, DFN).
The key owner's identity was authenticated in
accordance with the DFN World Wide Web Policy, v1.00! `HBcgi/check-rev.cgi?0
*H
\C)2
+ZYG| UCA|PzYFnTj@SA)/<HU+4t?@g?pb5w'Z;dqLi9\<(d=
,}h?c(MeM44=Qe/_^^JyYN/61&jPFXifP&#;/KZ
1 xOK?ps

```

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Version 2.1, February 1999

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a)

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

1543830060

##Sketch 1 2

document()

layout('A4',1)

fp((0,0,0))

ft(1)

Fn('Helvetica-Bold')

Fs(18)

dstyle('Text')

fp((0,1,0.498))

ft(1)

lp((0,0,0))

lw(0.283465)

lc(1)

lj(0)

```

ld()
la1()
la2()
dstyle('Application Box')
layer('Layer 1',1,1,0,0,(0,0,0))
lw(1)
r(0,0,0,0,688.145,44.1554)
lw(1)
r(0,0,0,0,682.363,85.0359)
lp((0.392,0.584,0.929))
lw(4.25197)
b()
bs(605.383,329.758,0)
bs(605.383,230.546,0)
lw(1)
r(0,0,0,0,807.414,53.6148)
lp((0.392,0.584,0.929))
lw(4.25)
b()
bs(480.134,240.945,0)
bs(480.358,325.277,0)
lp((0.392,0.584,0.929))
lw(3.25)
ld((1, 1))
la2([( (-4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)), 1))
b()
bs(474.803,432.284,0)
bs(475.334,360.243,0)
lw(3.25)
ld((1, 1))
la2([( (-4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)), 1))
b()
bs(354.331,432.284,0)
bs(352.806,361.417,0)
lp((0.392,0.584,0.929))
lw(3.25)
ld((1, 1))
la2([( (-4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)), 1))
b()
bs(212.598,432.284,0)
bs(212.598,361.417,0)
fp((0.999,1,0.4))
lw(0.283465)
r(70.5968,0,0,-56.6929,191.608,488.976,0.0603744,0.151107)
lw(1)
r(0,0,0,0,88.5492,390.805)
lp((0.392,0.584,0.929))
lw(4.25197)

```

b()
 bs(226.772,524.409,0)
 bs(226.772,488.976,0)
 lp((0.392,0.584,0.929))
 lw(4.25)
 b()
 bs(403.937,528.718,0)
 bs(403.937,488.976,0)
 lp((0.392,0.584,0.929))
 lw(3.25)
 ld((1,
 1))
 la2([((-4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)], 1))
 b()
 bs(240.945,432.284,0)
 bs(240.574,394.994,0)
 bs(595.276,396.85,0)
 bs(595.276,361.417,0)
 lp((0.392,0.584,0.929))
 lw(3.25)
 ld((1, 1))
 la2([((-4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)], 1))
 b()
 bs(333.071,432.284,0)
 bs(333.07,425.196,0)
 bs(333.07,382.677,0)
 bs(240.945,382.677,0)
 bs(240.945,361.417,0)
 G()
 fp((0.999,1,0.4))
 lw(0.283465)
 r(70.5589,0,0,-28.347,318.897,354.331,0.0670228,0.151107)
 fp((0,0,0))
 le()
 lw(1)
 Fn('Helvetica-Bold')
 Fs(10)
 txt('GPG',(1,0,0,0.905764,344.004,335.686))
 G_()
 G()
 fp((0.999,1,0.4))
 lw(0.283465)
 r(70.5589,0,0,-28.3464,446.763,354.33,0.0670228,0.151107)
 fp((0,0,0))
 le()
 lw(1)
 Fn('Helvetica')
 Fs(14)

```

style('Text')
txt('GpgConf',(0.552654,0,0,0.500564,481.802,340.184),1,1)
G_()
G()
fp((0.999,1,0.4))
lw(0.283465)
r(70.5589,0,0,-28.347,191.338,354.331,0.0670228,0.151107)
fp((0,0,0))
le()
lw(1)
Fn('Helvetica')
Fs(14)
style('Text')
txt('GpgSM',(0.552654,0,0,0.500574,226.376,340.185),1,1)
G_()
lp((0.392,0.584,0.929))
lw(4.25)
b()
bs(347.244,325.984,0)
bs(347.244,325.984,0)
bs(347.244,255.118,0)
bs(304.724,255.118,0)
bs(304.724,226.771,0)
lp((0.392,0.584,0.929))
lw(4.25)
b()
bs(233.858,325.984,0)
bs(233.858,255.118,0)
bs(276.378,255.118,0)
bs(276.378,226.771,0)
fp((0,0,0))
le()
lw(1)
Fn('Palatino-Roman')
txt('2008-07-17',(0.608301,0,0,0.608301,708.661,65.8308))
lw(1)
r(0,0,0,0,750.427,153.265)
lp((0.392,0.584,0.929))
lw(3.25)
ld((1,
1))
la2((( -4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)], 1))
b()
bs(219.685,325.984,0)
bs(219.685,198.425,0)
bs(219.685,162.992,0)
G()
fp((1,1,1))

```

```

lw(0.283465)
r(113.386,0,0,-42.5196,35.4333,162.992,0.0670228,0.151107)
fp((0,0,0))
lw(0.283465)
Fn('Helvetica')
Fs(14)
style('Text')
Fn('Helvetica-Bold')
Fs(18)
txt('LDAP
Server',(0.552654,0,0,0.552654,92.1261,148.819),1,1)
fp((0,0,0))
lw(0.283465)
Fn('Helvetica')
Fs(14)
style('Text')
Fn('Helvetica-Bold')
Fs(18)
txt('(CRLs, Certificates)',(0.552654,0,0,0.552654,92.1261,134.646),1,1)
G_()
G()
fp((1,1,1))
lw(0.283465)
r(113.386,0,0,-42.5196,35.4331,99.2125,0.0670228,0.151107)
fp((0,0,0))
lw(0.283465)
Fn('Helvetica')
Fs(14)
style('Text')
Fn('Helvetica-Bold')
Fs(18)
txt('HTTP Server',(0.552654,0,0,0.552654,92.1259,85.0394),1,1)
fp((0,0,0))
lw(0.283465)
Fn('Helvetica')
Fs(14)
style('Text')
Fn('Helvetica-Bold')
Fs(18)
txt('(CRLs)',(0.552654,0,0,0.552654,92.1259,70.8662),1,1)
G_()
G()
fp((0.999,1,0.4))
lw(0.283465)
r(70.866,0,0,-31.2962,191.338,158.855,0.0670228,0.151107)
fp((0,0,0))
le()
lw(1)

```

```

Fn('Helvetica')
Fs(14)
style('Text')
txt('DirMngr',(0.552654,0,0,0.552654,224.02,142.978),1,1)
G_()
lw(2)
ld((1, 1))
la2([( (-4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)], 1))
b()
bs(219.15,126.18,0)
bs(219.685,77.9528,0)
bs(155.906,77.9528,0)
lp((0.392,0.584,0.929))
lw(3)
b()
bs(233.858,127.559,0)
bs(233.858,99.2125,0)
bs(276.378,99.2125,0)
bs(276.378,85.0393,0)
lp((0.392,0.584,0.929))
lw(3)
b()
bs(248.031,127.559,0)
bs(248.031,113.386,0)
bs(375.59,113.386,0)
bs(375.59,85.0393,0)
G()
fp((1,0.647,0.31))
lw(0.283465)
r(99.2124,0,0,-28.3464,333.07,85.0393,0.0670228,0.151107)
fp((0,0,0))
le()
lw(1)
Fn('Helvetica')
Fs(14)
style('Text')
Fn('Helvetica-Bold')
Fs(18)
txt('Certificate
Cache',(0.552654,0,0,0.552654,382.606,69.8548),1,1)
fp((1,0.647,0.31))
lw(0.283465)
r(70.5589,0,0,-28.3464,248.031,85.0393,0.0670228,0.151107)
fp((0,0,0))
le()
lw(1)
Fn('Helvetica')
Fs(14)

```

```

style('Text')
txt('CRL Cache',(0.552654,0,0,0.552654,284.147,70.6936),1,1)
G_()
lw(1)
la2([( (-4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)), 1))
b()
bs(503.149,240.945,0)
bs(503.149,283.464,0)
bs(588.189,283.465,0)
bs(588.189,325.984,0)
lw(1)
la2([( (-4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)), 1))
b()
bs(503.149,283.464,0)
bs(503.149,283.464,0)
bs(361.417,283.464,0)
bs(361.417,325.984,0)
lw(1)
la2([( (-4.0,
3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)), 1))
b()
bs(361.417,283.464,0)
bs(205.512,283.465,0)
bs(205.512,325.984,0)
lw(1)
la2([( (-4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)), 1))
b()
bs(574.015,85.0393,0)
bs(574.015,141.732,0)
bs(262.204,141.732,0)
lw(1)
la2([( (-4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)), 1))
b()
bs(602.361,85.0393,0)
bs(602.361,170.079,0)
bs(439.37,170.079,0)
bs(439.37,311.811,0)
bs(460.629,311.811,0)
bs(460.629,325.984,0)
lw(1)
ld((5, 1))
la2([( (-4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)), 1))
b()
bs(389.763,240.945,0)
bs(389.763,269.291,0)
bs(290.551,269.291,0)
bs(290.551,340.157,0)
bs(262.204,340.157,0)

```



```

lw(1)
ld((5, 1))
la2((( -4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)), 1))
b()
bs(389.763,269.291,0)
bs(559.843,269.291,0)
bs(559.843,333.071,0)
bs(574.016,333.071,0)
lw(1)
ld((5, 1))
la2((( -4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)), 1))
b()
bs(488.976,85.0393,0)
bs(488.976,127.559,0)
bs(389.763,127.559,0)
bs(389.763,212.598,0)
lw(2)
ld((1,
1))
la2((( -4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)), 1))
b()
bs(205.512,127.559,0)
bs(205.512,113.386,0)
bs(170.079,113.386,0)
bs(170.079,141.732,0)
bs(155.906,141.732,0)
lp((0.392,0.584,0.929))
lw(3.25)
ld((1, 1))
la2((( -4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)), 1))
b()
bs(622.961,356.76,0)
bs(622.961,518.503,0)
G()
fp((0.999,1,0.4))
lw(0.283465)
r(70.5589,0,0,-28.3459,573.199,354.33,0.0670228,0.151107)
fp((0,0,0))
le()
lw(1)
Fn('Helvetica')
Fs(14)
style('Text')
txt('GpgAgent',(0.552654,0,0,0.500554,608.238,340.185),1,1)
G_()
lp((0.392,0.584,0.929))
lw(4.25)
b()

```

bs(721.712,467.717,0)
bs(721.712,297.838,0)
G()
fp((0.999,1,0.4))
lw(0.283465)
r(70.5589,0,0,-28.3464,686.278,297.637,0.0670228,0.151107)
fp((0,0,0))
le()
lw(1)
Fn('Helvetica')
Fs(14)
style('Text')
txt('SCdaemon',(0.552654,0,0,0.500564,721.316,283.492),1,1)
G_
fp((1,0.647,0.31))
lw(0.283465)
lj(1)
r(86.162,0,0,-117.493,679.192,566.929,0.181818,0.333333)
G()
fp((0,0,0))
le()
lw(1)
Fn('Helvetica-Bold')
Fs(18)
txt('Smartcard',(0.552654,0,0,0.552654,698.127,491.036))
fp((0.999,1,0.4))
lw(0.283465)
r(70.5589,0,0,-31.2962,686.279,557.593,0.0670228,0.151107)
fp((0,0,0))
le()
lw(1)
Fn('Helvetica')
Fs(14)
style('Text')
txt('Card
Reader',(0.552654,0,0,0.552654,721.318,541.975),1,1)
G_
G()
fp((0.999,1,0.4))
lw(0.283465)
r(73.6353,0,0,-41.2944,587.066,565.703,0.0670228,0.151107)
fp((0,0,0))
le()
lw(1)
Fn('Helvetica')
Fs(14)
style('Text')
txt('PIN Entry',(0.57675,0,0,0.729211,623.632,545.097),1,1)

G_
 lp((0.392,0.584,0.929))
 lw(3.25)
 ld((1, 1))
 la2([((-4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)], 1))
 b()
 bs(643.758,340.157,0)
 bs(643.758,340.157,0)
 bs(707.539,340.158,0)
 bs(707.539,304.724,0)
 lw(1)
 la2([((-4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)], 1))
 b()
 bs(574.016,283.465,0)
 bs(587.066,283.464,0)
 bs(686.278,283.464,0)
 G()
 lp((0.392,0.584,0.929))
 lw(4.25197)
 b()
 bs(98.9053,325.985,0)
 bs(98.9053,240.945,0)
 G()
 fp((0.999,1,0.4))
 lw(0.283465)
 r(70.5589,0,0,-28.3464,63.7795,354.331,0.0670228,0.151107)
 fp((0,0,0))
 le()
 lw(1)
 Fn('Helvetica')
 Fs(14)
 style('Text')
 txt('WatchGnuPG',(0.552654,0,0,0.552654,98.8185,338.713),1,1)
 G_
 G()
 fp((1,0.647,0.31))
 lw(0.283465)
 r(70.5589,0,0,-28.1194,63.7795,240.718,0.0670228,0.168178)
 fp((0,0,0))
 le()
 lw(1)
 Fn('Helvetica')
 Fs(14)
 style('Text')
 txt('Log
 Socket',(0.552654,0,0,0.552654,98.8175,225.1),1,1)
 G_
 G_

G()
fp((1,0.647,0.31))
lw(0.283465)
r(85.0392,0,0,-28.3464,446.457,240.945,0.0670228,0.151107)
fp((0,0,0))
le()
lw(1)
Fn('Helvetica')
Fs(14)
style('Text')
Fn('Helvetica-Bold')
Fs(18)
txt('Config Files',(0.552654,0,0,0.552654,485.621,226.772),1,1)
G_
G()
fp((1,0.647,0.31))
lw(0.283465)
r(85.0392,0,0,-28.3464,545.669,85.0394,0.0670228,0.151107)
fp((0,0,0))
le()
lw(1)
Fn('Helvetica')
Fs(14)
style('Text')
Fn('Helvetica-Bold')
Fs(18)
txt('Config Files',(0.552654,0,0,0.552654,584.834,70.8662),1,1)
G_
G()
fp((1,0.647,0.31))
lw(0.283465)
r(84.6546,0,0,-27.3609,347.245,239.959,0.0670228,0.151107)
fp((0,0,0))
le()
lw(1)
Fn('Helvetica')
Fs(14)
style('Text')
Fn('Helvetica-Bold')
Fs(18)
txt('Help
Files',(0.552654,0,0,0.552654,388.252,224.705),1,1)
G_
G()
fp((1,0.647,0.31))
lw(0.283465)
r(84.6546,0,0,-27.3609,446.457,85.0394,0.0670228,0.151107)
fp((0,0,0))

```

le()
lw(1)
Fn('Helvetica')
Fs(14)
style('Text')
Fn('Helvetica-Bold')
Fs(18)
txt('Help Files',(0.552654,0,0,0.552654,487.464,69.7854),1,1)
G_()
G()
fp((1,0.647,0.31))
lw(0.283465)
r(85.0392,0,0,-28.3464,248.032,240.945,0.0670228,0.151107)
fp((0,0,0))
le()
lw(1)
Fn('Helvetica')
Fs(14)
style('Text')
Fn('Helvetica-Bold')
Fs(18)
txt('Keybox Files',(0.552654,0,0,0.552654,289.59,226.322),1,1)
G_()
G()
fp((1,0.647,0.31))
lw(0.283465)
r(70.866,0,0,-28.3464,574.016,240.945,0.0670228,0.151107)
fp((0,0,0))
le()
lw(1)
Fn('Helvetica')
Fs(14)
style('Text')
Fn('Helvetica-Bold')
Fs(18)
txt('Private Keys',(0.552654,0,0,0.552654,609.449,226.772),1,1)
G_()
G()
fp((0,0,0))
le()
lw(1)
Fn('Helvetica')
Fs(14)
style('Text')
Fn('Helvetica-Bold')
Fs(24)
txt('Scute',(0.552654,0,0,0.599958,224.978,465.775),1,1)
fp((0,0,0))

```

```

le()
lw(1)
Fn('Times-Roman')
Fs(10)
txt('(pkcs#11)',(1,0,0,1.08559,206.081,445.011))
G_()
G()
fp((0.999,1,0.4))
lw(0.283465)
r(198.827,0,0,-56.6929,304.322,488.976,0.0603744,0.151107)
fp((0,0,0))
le()
lw(1)
Fn('Helvetica')
Fs(14)
style('Text')
Fn('Helvetica-Bold')
Fs(36)
txt('GPGME
Library',(0.552654,0,0,0.552654,404.952,457.853),1,1)
G_()
G()
lw(1)
style('Application Box')
r(197.598,0,0,-42.5187,304.724,566.928,0.0152672,0.0677968)
fp((0,0,0))
le()
lw(1)
Fn('Helvetica')
txt('GPGME aware Application',(0.98062,0,0,0.937018,334.892,540.985))
G_()
G()
lw(1)
style('Application Box')
r(127.829,0,0,-41.7496,162.992,566.159,0.0152672,0.0677968)
fp((0,0,0))
le()
lw(1)
Fn('Helvetica')
txt('Legacy Application',(174.688,540.01))
G_()
G()
G()
lp((0.392,0.584,0.929))
lw(4.25197)
b()
bs(749.296,162.296,0)
bs(705.89,162.296,0)

```

```

lw(3.25)
ld((1, 1))
la2((( (-4.0, 3.0), (2.0, 0.0), (-4.0,
-3.0), (-4.0, 3.0)], 1))
b()
bs(705.89,100.083,0)
bs(744.472,100.083,0)
lp((0.392,0.584,0.929))
lw(3.25)
ld((1, 1))
la2((( (-4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)], 1))
b()
bs(705.89,131.189,0)
bs(744.472,131.189,0)
fp((0,0,0))
le()
lw(1)
Fn('Helvetica')
Fs(14)
style('Text')
txt('execute/access',(0.31891,0,0,0.280771,726.951,87.3768),1,1)
fp((0,0,0))
le()
lw(1)
Fn('Helvetica')
Fs(14)
style('Text')
txt('closely linked',(0.31891,0,0,0.280771,724.715,149.589),1,1)
fp((0,0,0))
le()
lw(1)
Fn('Helvetica')
Fs(14)
style('Text')
txt('Assuan protocol',(0.31891,0,0,0.280771,728.535,118.483),1,1)
G_()
lw(1)
r(56.6929,0,0,-92.126,701.575,170.079)
G_()
lp((0.392,0.584,0.929))
lw(3.25)
ld((1, 1))
la2((( (-4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)], 1))
b()
bs(248.031,325.984,0)
bs(248.031,297.638,0)
bs(538.583,297.638,0)
bs(538.583,340.157,0)

```

```

bs(566.929,340.157,0)
lp((0.392,0.584,0.929))
lw(3.25)
ld((1, 1))
la2((( -4.0, 3.0), (2.0, 0.0), (-4.0, -3.0), (-4.0, 3.0)), 1))
b()
bs(375.591,325.984,0)
bs(375.591,304.724,0)
bs(531.496,304.724,0)
bs(531.496,347.244,0)
bs(566.929,347.244,0)
guidelayer('Guide
  Lines',1,0,0,1,(0,0,1))
grid((0,0,7.08661,7.08661),1,(0,0,1),'Grid')
Just GNU it!
Just GNU it!
Just GNU it!
# -*- mode: org -*-
#+TITLE: GNU Privacy Guard (GnuPG) Made Easy Python Bindings
#+AUTHOR: Ben McGinnes
#+LATEX_COMPILER: xelatex
#+LATEX_CLASS: article
#+LATEX_CLASS_OPTIONS: [12pt]
#+LATEX_HEADER: \usepackage{xltextra}
#+LATEX_HEADER: \usepackage[margin=1in]{geometry}
#+LATEX_HEADER: \setmainfont[Ligatures={Common}]{Times New Roman}
#+LATEX_HEADER: \author{Ben McGinnes <ben@gnupg.org>}

```

```

* GPGME Python Bindings
:PROPERTIES:
:CUSTOM_ID: top
:END:

```

```

** Contents
:PROPERTIES:
:CUSTOM_ID: contents
:END:

```

```

- [[file:short-history]] [A short history of the project]]
- [[file:what-is-new]] [What's New]]
- [[file:maintenance-mode]] [Maintenance Mode]] (from January, 2019)
- [[file:what-was-new]] [What Was New]]
- [[file:gpgme-python-howto]] [GPGME Python Bindings HOWTO]]
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  Version 2, June 1991

```


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`Gnomovision' (which makes passes at compilers) written by James Hacker.

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

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```
\input texinfo @c -*- texinfo -*-
@c %**start of header
@setfilename short-history.info
@settitle A Short History of the GPGME bindings for Python
@documentencoding utf-8
@documentlanguage en
@c %**end of header
```

```
@finalout
@titlepage
@title A Short History of the GPGME bindings for Python
@author Ben McGinnes
@end titlepage
```

```
@contents
```

```
@ifnottex
@node Top
@top A Short History of the GPGME bindings for Python
@end ifnottex
```

```
@menu
* Overview::
* Relics of the past::
```

```
@detailmenu
--- The Detailed Node Listing ---
```


Overview

- * In the beginning::
- * Keeping the flame alive::
- * Passing the torch::
- * Coming full circle::

Relics of the past

- * The Annoyances of Git::
- * The Perils of PyPI::

The Perils of PyPI

- * GPG 180 - Python bindings for GPGME GnuPG cryptography library::
- * PyME 090 - Python support for GPGME GnuPG cryptography library::

@end detailmenu

@end menu

@node Overview

@chapter Overview

@multitable {aaaaaaaaaaaaaaaa} {aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa}

@item Version:

@tab

0.0.1

@item GPGME Version:

@tab 1.13.0

@item Author:

@tab Ben McGinnes <ben@@gnupg.org>

@item Author GPG Key:

@tab DB4724E6FA4286C92B4E55C4321E4E2373590E5D

@item Language:

@tab Australian English, British English

@item xml:lang:

@tab en-AU, en-GB, en

@end multitable

The GPGME Python bindings passed through many hands and numerous phases before, after a fifteen year journey, coming full circle to return to the source. This is a short explanation of that journey.

@menu

- * In the beginning::
- * Keeping the flame alive::
- * Passing the torch::
- * Coming full circle::

@end menu

@node In the beginning

@section In the beginning

In 2002 John Goerzen released PyME; Python bindings for the GPGME module which utilised the current release of Python of the time and SWIG.^{@footnote{In all likelihood this would have been Python 2.2 or possibly Python 2.3.}} Shortly after creating it and ensuring it worked he stopped supporting it, though he left his work available on his Gopher site.

@node Keeping

the flame alive

@section Keeping the flame alive

A couple of years later the project was picked up by Igor Belyi and actively developed and maintained by him from 2004 to 2008. Igor's whereabouts at the time of this document's creation are unknown, but the current authors do hope he is well. We're assuming (or hoping) that life did what life does and made continuing untenable.

@node Passing the torch

@section Passing the torch

In 2014 Martin Albrecht wanted to patch a bug in the PyME code and discovered the absence of Igor. Following a discussion on the PyME mailing list he became the new maintainer for PyME, releasing version 0.9.0 in May of that year. He remains the maintainer of the original PyME release in Python 2.6 and 2.7 (available via PyPI).

@node Coming full circle

@section Coming full circle

In 2015 Ben McGinnes approached Martin about a Python 3 version, while investigating how complex a task this would be the task ended up being completed. A subsequent discussion with Werner Koch led to the decision to fold the Python 3 port back into the original GPGME release in the languages subdirectory for non-C bindings under the module name of @samp{pyme3}.

In 2016 this PyME module was integrated back into the GPGME project by Justus Winter. During the course of this work Justus adjusted the port to restore limited support for Python 2, but not as many minor point releases as the original PyME package supports. During the course of this integration the package was renamed to more

accurately reflect its status as a component of GPGME. The @samp{pyme3} module was renamed to @samp{gpg} and adopted by the upstream GnuPG team.

In 2017 Justus departed G10code and the GnuPG team. Following this Ben returned to maintain of gpgme Python bindings and continue building them from that point.

@node Relics of the past
@chapter Relics of the past

There are a few things, in addition to code specific factors, such as SWIG itself, which are worth noting here.

@menu
*

The Annoyances of Git::

* The Perils of PyPI::

@end menu

@node The Annoyances of Git
@section The Annoyances of Git

As anyone who has ever worked with git knows, submodules are horrible way to deal with pretty much anything. In the interests of avoiding migraines, that was skipped with addition of the PyME code to GPGME.

Instead the files were added to a subdirectory of the @samp{lang/} directory, along with a copy of the entire git log up to that point as a separate file within the @samp{lang/python/docs/} directory.@footnote{The entire PyME git log and other preceding VCS logs are located in the @samp{gpgme/lang/python/docs/old-commits.log} file.} As the log for PyME is nearly 100KB and the log for GPGME is approximately 1MB, this would cause considerable bloat, as well as some confusion, should the two be merged.

Hence the unfortunate, but necessary, step to simply move the files. A regular repository version has been maintained should it be possible to implement this better in the future.

@node The Perils of PyPI
@section The Perils of PyPI

The early port of the Python 2 @samp{pyme} module as @samp{pyme3} was never added to PyPI while the focus remained on development and testing during 2015 and early 2016. Later in 2016, however, when Justus completed his major integration work and subsequently renamed the

module from @samp{pyme3} to @samp{gpg}, some prior releases were also provided through PyPI.

Since these bindings require a matching release of the GPGME libraries in order to function, it was determined that there was little benefit in also providing a copy through PyPI since anyone obtaining the GPGME source code would obtain the Python bindings source code at the same time. Whereas there was the potential to sew confusion amongst Python users installing the module from PyPI, only to discover that without the relevant C files, header files or SWIG compiled binaries, the Python module did them little good.

There are only two files on PyPI
which might turn up in a search
for this module or a sample of its content:

```
@enumerate
@item
gpg (1.8.0) - Python bindings for GPGME GnuPG cryptography library
@item
pyme (0.9.0) - Python support for GPGME GnuPG cryptography library
@end enumerate
```

```
@menu
* GPG 180 - Python bindings for GPGME GnuPG cryptography library::
* PyME 090 - Python support for GPGME GnuPG cryptography library::
@end menu
```

```
@node GPG 180 - Python bindings for GPGME GnuPG cryptography library
@subsection GPG 180 - Python bindings for GPGME GnuPG cryptography library
```

This is the most recent version to reach PyPI and is the version of the official Python bindings which shipped with GPGME 1.8.0. If you have GPGME 1.8.0 installed and @emph{only} 1.8.0 installed, then it is probably safe to use this copy from PyPI.

As there have been a lot of changes since the release of GPGME 1.8.0, the GnuPG Project recommends not using this version of the module and instead installing the current version of GPGME along with the Python bindings included with that package.

```
@node PyME 090 - Python support for GPGME GnuPG cryptography library
@subsection PyME 090 - Python support for GPGME GnuPG cryptography library
```

This is the last release of the PyME bindings maintained by Martin Albrecht and is only compatible with Python 2, it will not work with Python 3. This is the version of the software from which the

port from Python 2 to Python 3 code was made in 2015.

Users of the more recent Python bindings will recognise numerous points of similarity, but also significant differences. It is likely that the more recent official bindings will feel "more pythonic."

For those using Python 2, there is essentially no harm in using this module, but it may lack a number of more recent features added to GPGME.

@bye

commit 2145348ec54c6027f2ea20f695de0277e2871405

Merge: 348ba88 2036f1a

Author: Ben McGinnes <ben@adversary.org>

Date: Wed May 6 03:04:19 2015 +1000

Merge pull request #4 from Hasimir/master

history

commit 2036f1a0a670a0561993e195c458059220b36114

Merge: dbabf0c 348ba88

Author: Ben McGinnes <ben@adversary.org>

Date: Wed May 6 02:57:44 2015 +1000

Merge branch 'master' of github:adversary-org/pyme3

commit dbabf0cf1f2985755c2293b619011832e34faa9c

Author: Ben McGinnes <ben@adversary.org>

Date: Wed May 6 02:52:23 2015 +1000

Added a short history

- * A (very) brief summary of the project's history since 2002.
- * Deals with why the commit log in the GPGME repo does not include the history of PyME.
- * Mentions that intact git repos will be maintained, but not where they are (one will be on github, another will be in a user directory on playfair.gnupg.org).

docs/Short_History.rst | 57 ++

1 file

changed, 57 insertions(+)

commit 348ba883424778c711c04ae9b66035ccdb36eb8c

Merge: 127d0a5 7c37a27

Author: Ben McGinnes <ben@adversary.org>

Date: Wed May 6 02:21:34 2015 +1000

Merge pull request #3 from Hasimir/master

Version release preparation

commit 7c37a27a6845c58222d4d947c2efbe38e955b612

Merge: f692cff 127d0a5

Author: Ben McGinnes <ben@adversary.org>

Date: Wed May 6 02:17:14 2015 +1000

Merge branch 'master' of github:adversary-org/pyme3

commit f692cff50a89c2c61acdbd3d7dd60f5ce3cd15af

Author: Ben McGinnes <ben@adversary.org>

Date: Wed May 6 02:09:44 2015 +1000

TODO update

- * Removed reference to GitHub, replaced with impending new home at gnupg.org.

docs/TODO.rst | 4 ++--

1 file changed, 2 insertions(+), 2 deletions(-)

commit bd5ccf9e3bfe69fa681613757577e87b72ca08ec

Author: Ben McGinnes <ben@adversary.org>

Date: Wed May 6 02:00:44 2015 +1000

Version bump

- * Bumped version number to 0.9.1 to keep it somewhat in line with the existing

PyME project, even though there will be some divergence at some point (or even re-merging, depending on how many of the Python 3 modifications can be back-ported to the Python 2 version).

- * Updated the author and copyright information to reflect the two current authors (Martin and I).

- * Replaced Igor's contact details with mine.

- * Replaced project home page with the GnuPG one.

pyme/version.py | 16 ++++++++-----

1 file changed, 9 insertions(+), 7 deletions(-)

commit ec167512f4ca88d8f6e89e2ae831798c8283b4df

Author: Ben McGinnes <ben@adversary.org>

Date: Wed May 6 01:48:01 2015 +1000

README preparation.

* Changes in preparation for impending move of code to the GnuPG git server as a part of GPGME.

README.rst | 14 ++++++-----

1 file changed, 7 insertions(+), 7 deletions(-)

commit 8a48515e884c36b5bdb24a13cb4d2e49f4ee6f17

Author: Ben McGinnes <ben@adversary.org>

Date: Wed May 6 01:43:53 2015 +1000

TODO moved to docs

* As it says.

TODO.rst | 25 -----

docs/TODO.rst | 25 ++++++

2 files changed, 25 insertions(+), 25 deletions(-)

commit f968c777472f01f308f6e57eac1740bf5c76c205

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 16:52:13 2015 +1000

Started another TODO file.

TODO.rst | 25 ++++++

1 file changed, 25 insertions(+)

commit 127d0a56fa9f7ad1d4fb39d0b529b890a8d67365

Merge: db72dea 44837f6

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 14:59:44 2015 +1000

Merge pull request #2 from Hasimir/master

Minor editing.

commit 44837f6e50fc539c86aef1f75a6a3538b02029ea

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 14:56:55 2015 +1000

Minor editing.

* Fixed another URL.

* Changed Py3 version's version number to v0.9.1-beta0.

README.rst | 4 ++--

1 file changed, 2 insertions(+), 2 deletions(-)

commit db72deaae19c3513391df040bcaf66a88d9213af
Merge: db34286 48eb185
Author:
Ben McGinnes <ben@adversary.org>
Date: Sun May 3 14:26:11 2015 +1000

Merge pull request #1 from Hasimir/master

Links

commit 48eb1856cb0739cc9f0b9084da9d965e1fc7fddd
Author: Ben McGinnes <ben@adversary.org>
Date: Sun May 3 14:22:30 2015 +1000

Links

- * Fixed URLs for authors.
- * Updated my entry to point to github location.
- ** I strongly suspect the result of this work will be concurrent projects, so preparing for that eventuality with this repo.

README.rst | 8 ++++----
1 file changed, 4 insertions(+), 4 deletions(-)

commit db3428659783f30b9a76204403daedf9fc4cf7cf
Author: Ben McGinnes <ben@adversary.org>
Date: Sun May 3 11:29:00 2015 +1000

Explicit over Implicit ...

... isn't just for code.

- * Removed the 2to3 working directory and its contents.
- * Made the README.rst file a little more clear that this branch is for Python 3 (set Python 3.2 as a fairly arbitrary requirement for the moment, but will probably raise this to 3.3).

2to3/2to3-output-remaining.log | 60 ---
2to3/2to3-output-setup.log | 35 --
2to3/2to3-output.log | 950 -----
README.rst | 10 +-
4 files changed, 7 insertions(+), 1048 deletions(-)

commit 3edf07a4ba8a86af3a33246234d6e133074862af
Author: Ben McGinnes <ben@adversary.org>
Date: Sun May 3 11:19:41 2015 +1000

Added authors.

- * In alphabetical order.

- * Mine will need updating once Martin and I have decided what to do regarding the two main branches.

README.rst | 12 ++++++

1 file changed, 12 insertions(+)

commit 811eb14b53e8856312d99f46b77215f7f9bd672c

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 10:23:00 2015 +1000

Docs and other things.

- * Now able to import pyme.core without error, indicates port process is successful.

- * Code is **not** compatible with the Python 2 version.

- * Will need to consider making this a parallel project with the master branch.

- * Got rid of the .org TODO file.

- * Changed the README to use the reST file extension since it's full of reST anyway.

2to3/TODO.org | 5 ----

README.rst | 32 ++++++

README.txt | 32 -----

3 files changed, 32 insertions(+), 37 deletions(-)

commit 79e784bdce1de6f7856921b5431044c62c6f015

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 10:18:40 2015 +1000

Fixed another implicit import by making it explicit. Hopefully this is the last one.

pyme/util.py | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

commit 2b52b46ccda3e7abcc50eed0745062259d698661

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 10:16:01 2015 +1000

Fixed another implicit import by making it explicit.

pyme/errors.py | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

commit 409c8fd565e21f23cd41daaeffc867e6d23a0863
Author: Ben McGinnes <ben@adversary.org>
Date: Sun May 3 10:08:22
2015 +1000

Bytes vs. Unicode

* Trying PyBytes instead of PyUnicode.

gpgme.i | 14 ++++++-----
helpers.c | 8 +++++---
2 files changed, 11 insertions(+), 11 deletions(-)

commit d8164aa2ae98bf8c807c16e2d9be12c5fba7cfd
Author: Ben McGinnes <ben@adversary.org>
Date: Sun May 3 09:22:58 2015 +1000

String to Unicode

* Replaced all instances of PyString with PyUnicode (and hoping there's
no byte data in there).

gpgme.i | 14 ++++++-----
helpers.c | 8 +++++---
2 files changed, 11 insertions(+), 11 deletions(-)

commit bd99b7865656e559b17c419c6b64b412a22c6c44
Author: Ben McGinnes <ben@adversary.org>
Date: Sun May 3 09:17:06 2015 +1000

PyInt_AsLong

* Replaced all instances of PyInt with PyLong, as per C API docs.

gpgme.i | 4 ++--
helpers.c | 8 +++++---
2 files changed, 6 insertions(+), 6 deletions(-)

commit 3c91e2ccf8ca788b51e3308e292c6b64888fdb15
Author: Ben McGinnes <ben@adversary.org>
Date: Sun May 3 05:59:36 2015 +1000

Import correction

* Once pygpgme.py is generated and moved, it will be in the right
directory for the explicit "from . import pygpgme" to be correct.

pyme/core.py | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

commit 23a49e7070812ff1ce138d8d4cc46d0b80328897

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 05:38:29 2015 +1000

The -py3 flag.

Makefile | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

commit b1549587d6db5e33081b9c20f75d1348a1d25938

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 05:01:42 2015 +1000

Fixed indentation - 4.

pyme/core.py | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

commit a685142ce46761ee6f5176e90717176e38e0d24f

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 05:00:16 2015 +1000

Fixed indentation - 3.

pyme/core.py | 5 ++---
1 file changed, 2 insertions(+), 3 deletions(-)

commit 488a70b490cc64eb1c47d2483cb2f4079c6767f7

Author: Ben McGinnes <ben@adversary.org>

Date: Sun

May 3 04:53:21 2015 +1000

Pet Peeve

```
def pet_peeve(self):  
    peeve = print("people who don't press return after a colon!")
```

FFS!

pyme/core.py | 5 +++--
1 file changed, 3 insertions(+), 2 deletions(-)

commit a5d38eb47d64bb17bb609fe594dae2aca480bac9

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 04:47:54 2015 +1000

Fixed indentation - 2.

pyme/core.py | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

commit 476a207f732b8559abb1ea3c23147c0e34804730

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 04:46:01 2015 +1000

Fixed indentation.

pyme/core.py | 4 ++--
1 file changed, 2 insertions(+), 2 deletions(-)

commit 0572900eba9bcd9b0283c7d8e022e8972f06f9f8

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 04:43:49 2015 +1000

Replaced all tabs with 4 spaces.

pyme/core.py | 18 ++++++++-----
1 file changed, 9 insertions(+), 9 deletions(-)

commit 78c0b7677e94ce1e11b8cdb833a9064527187330

Author: Ben McGinnes <ben@adversary.org>

Date:

Sun May 3 04:39:07 2015 +1000

SWIG flags in the wrong place.

Makefile | 4 ++--
1 file changed, 2 insertions(+), 2 deletions(-)

commit dfa7f2589963494a8f89277560d8c1116604a3c8

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 04:35:09 2015 +1000

Fixed subprocess call for swig (again).

setup.py | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

commit 249bfd8c714dcda53127b99b6cc8a6c7c4a99f20

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 04:32:40 2015 +1000

Fixed subprocess call for swig.

setup.py | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

commit 6fd7e719cf4c975f466ceb39835db7007df36fb2

Author: Ben McGinnes <ben@adversary.org>

Date: Sun May 3 03:51:48 2015 +1000

Linking swig to py3

* Changed the swig invocations to run with the -python -py3 flags explicitly.

Makefile | 4 ++--

setup.py | 2 +-
2 files changed, 3 insertions(+), 3 deletions(-)

commit 7a6b584f50ed6ddc8617a642185eea1f24ff791a

Author:

Ben McGinnes <ben@adversary.org>

Date: Sat May 2 11:12:00 2015 +1000

String fun

* streamlined confdata details, including decoding strom binary to string.

setup.py | 4 +---
1 file changed, 1 insertion(+), 3 deletions(-)

commit f7fd3f270592021a95a8f779bfe85ac18f4e390b

Author: Ben McGinnes <ben@adversary.org>

Date: Sat May 2 10:46:59 2015 +1000

Open File

* Removed deprecated file() and replaced with open().

examples/PyGtkGpgKeys.py | 2 +-
examples/pygpa.py | 6 +++---
gpgme-h-clean.py | 2 +-
3 files changed, 5 insertions(+), 5 deletions(-)

commit 4227d486f9558015e7e548d71085e58e1b50ec08

Author: Ben McGinnes <ben@adversary.org>

Date: Sat May 2 10:36:15 2015 +1000

print() fix

Open Source Used In Cisco Prime Network Registrar 11.1 2674

gpgme-h-clean.py | 2 +-
setup.py | 4 ++--
15 files changed, 16 insertions(+), 16 deletions(-)

commit 1a4b55dbccd2774344352e579130bf494bc5fa4b

Author: Ben McGinnes <ben@adversary.org>

Date: Sat May 2 08:50:54 2015 +1000

Removed extraneous files.

* The two .bak files.

pyme/errors.py.bak | 46 -----
setup.py.bak | 116 -----
2 files changed, 162 deletions(-)

commit 208879d4f2a6d0514c3f8ee2fc0da8bba42350de

Author: Ben McGinnes <ben@adversary.org>

Date:

Sat May 2 08:19:37 2015 +1000

Added TODO.org

* TODO list in Emacs org-mode.

* Will eventually be removed along with this entire directory when the
porting process is complete.

2to3/TODO.org | 5 +++++
1 file changed, 5 insertions(+)

commit 1548bf201059638675c5387c6f124d4b703363a9

Author: Ben McGinnes <ben@adversary.org>

Date: Sat May 2 07:58:40 2015 +1000

2to3 conversion of remaining files

* Ran the extended version against all the unmodified python files.

* Only pyme/errors.py required additional work.

2to3/2to3-output-remaining.log | 60 +++++
pyme/errors.py | 2 +-
pyme/errors.py.bak | 46 +++++
3 files changed, 107 insertions(+), 1 deletion(-)

commit 1230650bc6bbe4c14d1284f7877aa932f3e86eb4

Author: Ben McGinnes <ben@adversary.org>

Date: Sat May 2 07:50:39 2015 +1000

2to3 conversion of setup.py

- * Ran extended 2to3 command to produce python 3 code for setup.py.
- * Effectively testing for what to run against the other originally unmodified py2 files.

```
2to3/2to3-output-setup.log | 35 ++++++++
setup.py                  | 7 ++-
setup.py.bak              | 116 ++++++++
3 files changed, 154 insertions(+), 4 deletions(-)
```

commit edad44955f59aa879e95a369591717fb19eec6b7

Author: Ben McGinnes <ben@adversary.org>

Date: Fri May 1 21:50:07 2015 +1000

Removing 2to3 generated .bak files.

- * Not really needed with a real VCS, but couldn't hurt to have them for a couple of revisions. ;)

```
examples/PyGtkGpgKeys.py.bak | 663 -----
examples/encrypt-to-all.py.bak | 65 --
examples/exportimport.py.bak | 75 --
examples/genkey.py.bak | 45 -
examples/inter-edit.py.bak | 57 --
examples/pygpa.py.bak | 1457 -----
examples/sign.py.bak
| 31 -
examples/signverify.py.bak | 78 --
examples/simple.py.bak | 52 --
examples/t-edit.py.bak | 59 --
examples/testCMSgetkey.py.bak | 45 -
examples/verifydetails.py.bak | 100 ---
gpgme-h-clean.py.bak | 42 -
pyme/callbacks.py.bak | 47 --
pyme/constants/data/__init__.py.bak | 4 -
pyme/constants/keylist/__init__.py.bak | 4 -
pyme/constants/sig/__init__.py.bak | 4 -
pyme/core.py.bak | 463 -----
pyme/util.py.bak | 72 --
pyme/version.py.bak | 41 -
20 files changed, 3404 deletions(-)
```

commit 1cfc3c969f885ed191610bffb6d60ac23fdd349e

Author: Ben McGinnes <ben@adversary.org>

Date: Fri May 1 21:45:50 2015 +1000

2to3 conversion log

* The output of the command to convert the code from Python 2 to 3.

* Note: this contains the list of files which were not modified

and

which will or may need to be modified.

2to3/2to3-output.log | 950 ++++++
1 file changed, 950 insertions(+)

commit 078f6cf878aa62d12704fab424198a613a24cc8c

Author: Ben McGinnes <ben@adversary.org>

Date: Fri May 1 21:36:58 2015 +1000

2to3 conversion of pyme master

* Branch from commit 459f3eca659b4949e394c4a032d9ce2053e6c721

* Ran this: or x in `find . | egrep .py\$` ; do 2to3 -w \$x; done ;

* Multiple files not modified, will record elsewhere (see next commit).

```
examples/PyGtkGpgKeys.py      | 10 +-
examples/PyGtkGpgKeys.py.bak   | 663 ++++++
examples/encrypt-to-all.py    | 12 +-
examples/encrypt-to-all.py.bak | 65 ++
examples/exportimport.py       | 20 +-
examples/exportimport.py.bak   | 75 ++
examples/genkey.py             | 2 +-
examples/genkey.py.bak         | 45 +
examples/inter-edit.py         | 8 +-
examples/inter-edit.py.bak     | 57 ++
examples/pygpa.py              | 40 +-
examples/pygpa.py.bak          | 1457 ++++++
examples/sign.py               | 2 +-
examples/sign.py.bak           | 31 +
examples/signverify.py         | 18 +-
examples/signverify.py.bak     | 78 ++
examples/simple.py             | 8 +-
examples/simple.py.bak         | 52 ++
examples/t-edit.py             | 12 +-
examples/t-edit.py.bak         | 59 ++
examples/testCMSgetkey.py      | 8 +-
examples/testCMSgetkey.py.bak  | 45 +
examples/verifydetails.py      | 34 +-
examples/verifydetails.py.bak  | 100 +++
gpgme-h-clean.py              | 2 +-
gpgme-h-clean.py.bak          | 42 +
pyme/callbacks.py              | 6 +-

```

pyme/callbacks.py.bak | 47 ++
pyme/constants/data/__init__.py
| 2 +-
pyme/constants/data/__init__.py.bak | 4 +
pyme/constants/keylist/__init__.py | 2 +-
pyme/constants/keylist/__init__.py.bak | 4 +
pyme/constants/sig/__init__.py | 2 +-
pyme/constants/sig/__init__.py.bak | 4 +
pyme/core.py | 26 +-
pyme/core.py.bak | 463 ++++++++
pyme/util.py | 6 +-
pyme/util.py.bak | 72 ++
pyme/version.py | 2 +-
pyme/version.py.bak | 41 +
40 files changed, 3515 insertions(+), 111 deletions(-)

commit 459f3eca659b4949e394c4a032d9ce2053e6c721

Merge: c5966ab dae7f14

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date: Wed Jul 9 10:48:33 2014 +0100

Merged in jerrykan/pyme/fix_setup_26 (pull request #1)

Provide support for using setup.py with Python v2.6

commit dae7f14a54e6c2bde0ad4da7308cc7fc0d0c0469

Author: John Kristensen

<john.kristensen@dpipwe.tas.gov.au>

Date: Wed Jul 9 15:54:39 2014 +1000

Provide support for using setup.py with Python v2.6

The setup.py script uses subprocess.check_output() which was introduced in Python v2.7. The equivalent functionality can be achieved without adding much extra code and provide support for Python v2.6.

setup.py | 4 +++-

1 file changed, 3 insertions(+), 1 deletion(-)

commit c5966abec9d772b3922d32650da288fd50a217be

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date: Thu May 15 19:43:00 2014 +0100

README.txt in ReST, including headlines

README.txt | 8 ++++++--

1 file changed, 6 insertions(+), 2 deletions(-)

commit 43ee8c6f34fa9b6d3975aa6ea60b3d4a741fa721
Author: Martin Albrecht <martinralbrecht@googlemail.com>
Date: Thu May 15 19:37:15 2014 +0100

README.txt in ReST

README.txt | 25 ++++++-----
1 file changed, 13 insertions(+), 12 deletions(-)

commit f71a369484cba8801df23ccc5842335fa496c0df
Author:
Martin Albrecht <martinralbrecht@googlemail.com>
Date: Thu May 15 19:28:12 2014 +0100

added MANIFEST.in and README.txt (instead of .md)

MANIFEST.in | 6 ++++++
README.md | 27 -----
README.txt | 27 ++++++
3 files changed, 33 insertions(+), 27 deletions(-)

commit d0d6755229f920b0bed043e9c2731de2d57c096c
Author: Martin Albrecht <martinralbrecht@googlemail.com>
Date: Tue May 13 09:52:44 2014 +0100

added mailing list to README

README.md | 19 ++++++---
1 file changed, 16 insertions(+), 3 deletions(-)

commit 30ca60ddf92df684de261cb24c83c68089be0adc
Author: Martin Albrecht <martinralbrecht@googlemail.com>
Date: Sun May 11 13:34:28 2014 +0100

we don't need a separate out of date ChangeLog file

ChangeLog | 802 -----
1 file changed, 802 deletions(-)

commit 8263f1a6d38fdb7f5f3dd5c7e28f83caa7528a08
Author: Martin Albrecht <martinralbrecht@googlemail.com>
Date:
Sun May 11 13:32:31 2014 +0100

adding README.md

README.md | 14 ++++++
1 file changed, 14 insertions(+)

commit 3fc71b47e9e14b0b984801c28d722723baa4b406
Author: Martin Albrecht <martinralbrecht@googlemail.com>
Date: Sat May 10 15:43:06 2014 +0100

ValueError -> RuntimeError

setup.py | 4 ++--
1 file changed, 2 insertions(+), 2 deletions(-)

commit eec432abea56296b9fa36aac0d10926a2335b739
Merge: eea6537 d2738b3
Author: Martin Albrecht <martinralbrecht@googlemail.com>
Date: Sat May 10 15:41:02 2014 +0100

Merge branch 'master' of bitbucket.org:malb/pyme

Conflicts:
setup.py

commit eea6537921061b4dcfc54e00a99d3fa110e71433
Author: Martin Albrecht <martinralbrecht@googlemail.com>
Date: Sat May 10 15:39:51 2014 +0100

check for swig

setup.py | 8 +++++++
1 file changed, 8 insertions(+)

commit 53867bf9715ee1b4ea873bf5e2fbb7d9740a2b4a
Author: Martin Albrecht <martinralbrecht@googlemail.com>
Date: Sat May 10 15:35:04 2014 +0100

more friendly error message if gpgme is missing

setup.py | 8 ++++++-
1 file changed, 7 insertions(+), 1 deletion(-)

commit d2738b35d63b1492d69641c5466103685f2d3a30
Author: Martin Albrecht <martinralbrecht@googlemail.com>
Date: Sat May 10 15:35:04 2014 +0100

more friendly error message if gpgme is missing

setup.py | 8 ++++++-
1 file changed, 7 insertions(+), 1 deletion(-)

commit c0b01240becf8ba6cf1d4c1f64b2cb4c056f5163

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date: Fri May 9 15:20:24 2014 +0100

version number should have three digits

pyme/version.py | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

commit 6672bb60b9bec60d38e854016c48658b57774578

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date: Wed May 7 15:11:08 2014 +0100

bump version number for upcoming release

pyme/version.py | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

commit 7bd6de700f33ca5d1f27bc16ebbd401f21d2e788

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date:

Sat May 3 19:36:25 2014 +0100

bump version number to indicate changes

pyme/version.py | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

commit 4fb6bd9b3f47c1a343242ac83b326cacd12a136e

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date: Sat May 3 19:34:07 2014 +0100

pyme instead of pygpgme

setup.py | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

commit 9548973138d78241a45ccb82333b25f2cf36ce7d

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date: Sat May 3 19:31:10 2014 +0100

dirty hack to make 'python setup.py install' work

setup.py | 7 ++++---
1 file changed, 4 insertions(+), 3 deletions(-)

commit a961d7eab9db478b7e603324bc5d243bd3c84bad

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date: Sat May 3 19:05:44 2014 +0100

moved everything down to the toplevel directory

```
COPYING | 340 ++
COPYING.LESSER | 510 +++
ChangeLog
    | 802 ++++++
INSTALL | 15 +
Makefile | 104 +
debian/README.Debian | 6 +
debian/changelog | 93 +
debian/control | 34 +
debian/copyright | 25 +
debian/docs | 2 +
debian/examples | 2 +
debian/rules | 99 +
examples/PyGtkGpgKeys.glade | 1394 ++++++++
examples/PyGtkGpgKeys.gladep | 8 +
examples/PyGtkGpgKeys.py | 663 ++++
examples/delkey.py | 34 +
examples/encrypt-to-all.py | 65 +
examples/exportimport.py | 75 +
examples/genkey.py | 45 +
examples/inter-edit.py | 57 +
examples/pygpa.glade | 5546 ++++++
examples/pygpa.py
    | 1457 ++++++
examples/sign.py | 31 +
examples/signverify.py | 78 +
examples/simple.py | 52 +
examples/t-edit.py | 59 +
examples/testCMSgetkey.py | 45 +
examples/verifydetails.py | 100 +
gpgme-h-clean.py | 42 +
gpgme.i | 267 ++
helpers.c | 154 +
helpers.h | 36 +
pyme/COPYING | 340 --
pyme/COPYING.LESSER | 510 ---
pyme/ChangeLog | 802 ----
pyme/INSTALL | 15 -
pyme/Makefile | 104 -
pyme/__init__.py | 137 +
pyme/callbacks.py | 47 +
pyme/constants/__init__.py | 7 +
pyme/constants/data/__init__.py | 4
+
pyme/constants/data/encoding.py | 20 +
```

pyme/constants/event.py	20 +
pyme/constants/import.py	20 +
pyme/constants/keylist/__init__.py	4 +
pyme/constants/keylist/mode.py	20 +
pyme/constants/md.py	20 +
pyme/constants/pk.py	20 +
pyme/constants/protocol.py	20 +
pyme/constants/sig/__init__.py	4 +
pyme/constants/sig/mode.py	20 +
pyme/constants/sigsum.py	20 +
pyme/constants/status.py	20 +
pyme/constants/validity.py	20 +
pyme/core.py	463 +++
pyme/debian/README.Debian	6 -
pyme/debian/changelog	93 -
pyme/debian/control	34 -
pyme/debian/copyright	25 -
pyme/debian/docs	2 -
pyme/debian/examples	
2 -	
pyme/debian/rules	99 -
pyme/errors.py	46 +
pyme/examples/PyGtkGpgKeys.glade	1394 -----
pyme/examples/PyGtkGpgKeys.gladep	8 -
pyme/examples/PyGtkGpgKeys.py	663 ----
pyme/examples/delkey.py	34 -
pyme/examples/encrypt-to-all.py	65 -
pyme/examples/exportimport.py	75 -
pyme/examples/genkey.py	45 -
pyme/examples/inter-edit.py	57 -
pyme/examples/pygpa.glade	5546 -----
pyme/examples/pygpa.py	1457 -----
pyme/examples/sign.py	31 -
pyme/examples/signverify.py	78 -
pyme/examples/simple.py	52 -
pyme/examples/t-edit.py	59 -
pyme/examples/testCMSgetkey.py	45 -
pyme/examples/verifydetails.py	100 -
pyme/gpgme-h-clean.py	42 -
pyme/gpgme.i	267 --
pyme/helpers.c	154 -
pyme/helpers.h	36 -
pyme/pyme/__init__.py	137 -
pyme/pyme/callbacks.py	47 -
pyme/pyme/constants/__init__.py	7 -
pyme/pyme/constants/data/__init__.py	4 -
pyme/pyme/constants/data/encoding.py	20 -
pyme/pyme/constants/event.py	20 -

```

pyme/pyme/constants/import.py      | 20 -
pyme/pyme/constants/keylist/__init__.py | 4 -
pyme/pyme/constants/keylist/mode.py | 20 -
pyme/pyme/constants/md.py          | 20 -
pyme/pyme/constants/pk.py          | 20 -
pyme/pyme/constants/protocol.py    | 20 -
pyme/pyme/constants/sig/__init__.py | 4 -
pyme/pyme/constants/sig/mode.py    | 20 -
pyme/pyme/constants/sigsum.py      | 20 -
pyme/pyme/constants/status.py      | 20 -
pyme/pyme/constants/validity.py    | 20
-
pyme/pyme/core.py                  | 463 ---
pyme/pyme/errors.py                | 46 -
pyme/pyme/util.py                  | 72 -
pyme/pyme/version.py               | 41 -
pyme/setup.py                      | 99 -
pyme/util.py                       | 72 +
pyme/version.py                    | 41 +
setup.py                           | 99 +
108 files changed, 13384 insertions(+), 13384 deletions(-)

```

commit 8148cdd424c434e833ce427612ea8c89abc6e41c

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date: Sat May 3 18:58:52 2014 +0100

removing pyme-web

```

pyme-web/Makefile                  | 15 -
pyme-web/default.css               | 37 --
pyme-web/doc/gpgme/ASCII-Armor.html | 57 ---
pyme-web/doc/gpgme/Advanced-Key-Editing.html | 98 ----
pyme-web/doc/gpgme/Algorithms.html | 47 --
pyme-web/doc/gpgme/Building-the-Source.html | 82 ----
.../doc/gpgme/Callback-Based-Data-Buffers.html | 148 -----
pyme-web/doc/gpgme/Cancellation.html | 67 ---
pyme-web/doc/gpgme/Concept-Index.html | 186 -----
pyme-web/doc/gpgme/Context-Attributes.html | 52 --
pyme-web/doc/gpgme/Contexts.html | 61 ---
pyme-web/doc/gpgme/Creating-Contexts.html | 49 --
pyme-web/doc/gpgme/Creating-Data-Buffers.html | 47 --
pyme-web/doc/gpgme/Creating-a-Signature.html | 143 -----
pyme-web/doc/gpgme/Crypto-Engine.html | 79 ---
pyme-web/doc/gpgme/Crypto-Operations.html | 67 ---
.../doc/gpgme/Cryptographic-Message-Syntax.html | 42 --
.../doc/gpgme/Data-Buffer-I_002fO-Operations.html | 104 ----
pyme-web/doc/gpgme/Data-Buffer-Meta_002dData.html | 100 ----
pyme-web/doc/gpgme/Decrypt-and-Verify.html | 79 ---

```


pyme-web/doc/gpgme/Decrypt.html	123 ----
pyme-web/doc/gpgme/Deleting-Keys.html	67

pyme-web/doc/gpgme/Destroying-Contexts.html	46 --
pyme-web/doc/gpgme/Destroying-Data-Buffers.html	70 ---
pyme-web/doc/gpgme/Encrypt.html	45 --
pyme-web/doc/gpgme/Encrypting-a-Plaintext.html	147 -----
pyme-web/doc/gpgme/Engine-Configuration.html	65 ---
pyme-web/doc/gpgme/Engine-Information.html	119 ----
pyme-web/doc/gpgme/Engine-Version-Check.html	48 --
pyme-web/doc/gpgme/Error-Codes.html	133 ----
pyme-web/doc/gpgme/Error-Handling.html	72 ---
pyme-web/doc/gpgme/Error-Sources.html	89 ----
pyme-web/doc/gpgme/Error-Strings.html	80 ---
pyme-web/doc/gpgme/Error-Values.html	159 -----
pyme-web/doc/gpgme/Exchanging-Data.html	58 ---
pyme-web/doc/gpgme/Exporting-Keys.html	101 ----
pyme-web/doc/gpgme/Features.html	59 ---
pyme-web/doc/gpgme/File-Based-Data-Buffers.html	74

pyme-web/doc/gpgme/Function-and-Data-Index.html	229 -----
pyme-web/doc/gpgme/Generating-Keys.html	144 -----
pyme-web/doc/gpgme/Getting-Started.html	55 ---
pyme-web/doc/gpgme/Hash-Algorithms.html	59 ---
pyme-web/doc/gpgme/Header.html	53 --
.../doc/gpgme/I_002fO-Callback-Example-GDK.html	85 ----
.../gpgme/I_002fO-Callback-Example-GTK_002b.html	86 ----
.../doc/gpgme/I_002fO-Callback-Example-Qt.html	99 ----
pyme-web/doc/gpgme/I_002fO-Callback-Example.html	259 -----
pyme-web/doc/gpgme/I_002fO-Callback-Interface.html	142 -----
pyme-web/doc/gpgme/Importing-Keys.html	171 -----
pyme-web/doc/gpgme/Included-Certificates.html	70 ---
pyme-web/doc/gpgme/Information-About-Keys.html	207 -----
.../doc/gpgme/Information-About-Trust-Items.html	75 ---
pyme-web/doc/gpgme/Introduction.html	53 --
pyme-web/doc/gpgme/Key-Listing-Mode.html	99 ----
pyme-web/doc/gpgme/Key-Management.html	260 -----
pyme-web/doc/gpgme/Key-Signatures.html	130 ----
.../doc/gpgme/Largefile-Support-_0028LFS_0029.html	110 ----
pyme-web/doc/gpgme/Library-Copying.html	542 -----
pyme-web/doc/gpgme/Library-Version-Check.html	97 ---
pyme-web/doc/gpgme/Listing-Keys.html	204 -----
pyme-web/doc/gpgme/Listing-Trust-Items.html	88 ----
pyme-web/doc/gpgme/Locale.html	69 ---
pyme-web/doc/gpgme/Manipulating-Data-Buffers.html	45 --
pyme-web/doc/gpgme/Manipulating-Keys.html	63 ---
pyme-web/doc/gpgme/Manipulating-Trust-Items.html	62 ---

pyme-web/doc/gpgme/Memory-Based-Data-Buffers.html	107 ----
pyme-web/doc/gpgme/Multi-Threading.html	93 ----
pyme-web/doc/gpgme/OpenPGP.html	44 --
pyme-web/doc/gpgme/Overview.html	57 ---
pyme-web/doc/gpgme/Passphrase-Callback.html	101 ----
pyme-web/doc/gpgme/Preparation.html	54 --
pyme-web/doc/gpgme/Progress-Meter-Callback.html	80 ---
pyme-web/doc/gpgme/Protocol-Selection.html	60 ---
pyme-web/doc/gpgme/Protocols-and-Engines.html	82 ----
pyme-web/doc/gpgme/Public-Key-Algorithms.html	74 ---
.../doc/gpgme/Registering-I_002fO-Callbacks.html	81 ---
pyme-web/doc/gpgme/Run-Control.html	53 --
pyme-web/doc/gpgme/Selecting-Signers.html	64 ---
pyme-web/doc/gpgme/Sign.html	50 --
pyme-web/doc/gpgme/Signal-Handling.html	61 ---
pyme-web/doc/gpgme/Signature-Notation-Data.html	85 ----
pyme-web/doc/gpgme/Text-Mode.html	63 ---
pyme-web/doc/gpgme/Trust-Item-Management.html	68 ---
pyme-web/doc/gpgme/Using-Automake.html	74 ---
pyme-web/doc/gpgme/Using-External-Event-Loops.html	74 ---
pyme-web/doc/gpgme/Using-Libtool.html	44 --
pyme-web/doc/gpgme/Verify.html	492 -----
pyme-web/doc/gpgme/Waiting-For-Completion.html	77 ---
pyme-web/doc/gpgme/index.html	169 -----
pyme-web/doc/pyme/index.html	164 -----
pyme-web/doc/pyme/pyme.callbacks.html	42 --
.../doc/pyme/pyme.constants.data.encoding.html	48 --
pyme-web/doc/pyme/pyme.constants.data.html	29 --
pyme-web/doc/pyme/pyme.constants.event.html	48 --
pyme-web/doc/pyme/pyme.constants.html	39 --
pyme-web/doc/pyme/pyme.constants.import.html	49 --
pyme-web/doc/pyme/pyme.constants.keylist.html	29 --
pyme-web/doc/pyme/pyme.constants.keylist.mode.html	49 --
pyme-web/doc/pyme/pyme.constants.md.html	58 ---
pyme-web/doc/pyme/pyme.constants.pk.html	50 --
pyme-web/doc/pyme/pyme.constants.protocol.html	48 --
pyme-web/doc/pyme/pyme.constants.sig.html	29 --
pyme-web/doc/pyme/pyme.constants.sig.mode.html	47 --
pyme-web/doc/pyme/pyme.constants.sigsum.html	55 ---
pyme-web/doc/pyme/pyme.constants.status.html	126 -----
pyme-web/doc/pyme/pyme.constants.validity.html	50 --
pyme-web/doc/pyme/pyme.core.html	277 -----
pyme-web/doc/pyme/pyme.errors.html	82 ----
pyme-web/doc/pyme/pyme.html	164 -----
pyme-web/doc/pyme/pyme.util.html	81 ---

pyme-web/doc/pyme/pyme.version.html | 37 --

pyme-web/index.html | 72 ---

112 files changed, 10551 deletions(-)

commit 684d95feb7e10e538a56fb1b27f1456111bacb60

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date: Mon Jan 6 17:44:20 2014 +0100

fixing op_export_keys()

the conversion of gpgme_key_t [] was restricted to gpgme_key_t [] with the
name recv, i.e. only
the use-cases of encryption were covered.

see: http://sourceforge.net/mailarchive/forum.php?forum_name=pyme-help&max_rows=25&style=nested&viewmonth=201309

pyme/gpgme.i | 6 +++---

1 file changed, 3 insertions(+), 3 deletions(-)

commit 658d23b95110d21eeb50abf4e74701a667521a88

Author: Martin Albrecht <martinralbrecht@googlemail.com>

Date: Mon Jan 6 17:41:33 2014 +0100

deleting CVSROOT

CVSROOT/checkoutlist | 13 -----

CVSROOT/commitinfo | 15 -----

CVSROOT/config | 21 -----

CVSROOT/cvswrappers | 19 -----

CVSROOT/editinfo | 21 -----

CVSROOT/loginfo | 26 -----

CVSROOT/modules | 26 -----

CVSROOT/notify | 12 -----

CVSROOT/rcsinfo | 13 -----

CVSROOT/taginfo | 20 -----

CVSROOT/verifymsg | 21 -----

11 files changed, 207 deletions(-)

commit 576b555499c094c4786d42de9e59aa9826009b89

Author:

convert-repo <devnull@localhost>

Date: Mon Jan 6 15:22:44 2014 +0000

update tags

commit 2dcf0c5b702eb5a18c66ff1e42a72eaa7427af1d

Author: belyi <devnull@localhost>

Date: Wed Nov 26 02:38:33 2008 +0000

Move Windows specific fix from helpers.c to helpers.h so that it works for edit callback as well as for the passphrase one.

pyme/helpers.c | 5 ----
pyme/helpers.h | 5 +++++
2 files changed, 5 insertions(+), 5 deletions(-)

commit 42a035f2ef62470fea7a7f8ee33a1297fa90a603

Author: belyi <devnull@localhost>

Date: Mon Nov 24 21:44:30 2008 +0000

Update the way build directives are constructed on MinGW to have a bit more robust. Update PyMe build version to 0.8.1 in version.py

pyme/pyme/version.py | 2 +-
pyme/setup.py | 10 ++++++--
2 files changed, 9 insertions(+), 3 deletions(-)

commit 3aaa20fbcba17066c9ffd580f5209946022793a2

Author: belyi <devnull@localhost>

Date: Mon Nov 24 06:57:11 2008 +0000

Update changelog

pyme/debian/changelog
| 5 ++++-
1 file changed, 4 insertions(+), 1 deletion(-)

commit 689ff46b2550547e3883f809a6dc40c22c3e137e

Author: belyi <devnull@localhost>

Date: Mon Nov 24 06:50:41 2008 +0000

Fix hang problem on Windows when password is written to a filehandle.
Fix the way path is constructed on MinGW platform.

pyme/helpers.c | 5 +++++
pyme/setup.py | 4 +--
2 files changed, 7 insertions(+), 2 deletions(-)

commit 852a60d541d66cb56f40378182b976fd87a02c46

Author: belyi <devnull@localhost>

Date: Sun Nov 23 04:31:31 2008 +0000

Add Bernard's example testCMSgetkey.py and his updates for verifydetails.py

pyme/examples/testCMSgetkey.py | 45 ++++++
pyme/examples/verifydetails.py | 43 ++++++-----
2 files changed, 77 insertions(+), 11 deletions(-)

commit f080527d9184f3360f0a8ef6136b9a188d8e7d2a

Author: belyi <devnull@localhost>

Date: Thu May 29 18:29:37 2008 +0000

Remove debian packaging for python2.3
since it is removed from both
testing and unstable dists.
Update docs build target to have correct PYTHONPATH set.

pyme/Makefile | 2 +-
pyme/debian/changelog | 4 +++-
pyme/debian/control | 4 ++--
pyme/debian/rules | 2 --
4 files changed, 6 insertions(+), 6 deletions(-)

commit c25d133fcbadf3c7f6e655586b4a05d6e3cf6f0b

Author: belyi <devnull@localhost>

Date: Thu Apr 3 13:37:12 2008 +0000

Forgot to adjust mainText margin. Doing it now.

pyme-web/default.css | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

commit 897286a54a32336d060cd03305cdec7905f34f1

Author: belyi <devnull@localhost>

Date: Thu Apr 3 13:00:11 2008 +0000

Fix an error in default.css and make index.html "Standards Compliant".

pyme-web/default.css | 2 +-
pyme-web/index.html | 7 ++++---
2 files changed, 5 insertions(+), 4 deletions(-)

commit 4e049212bd214449cc0ba1ce06e00782783f328a

Author: belyi <devnull@localhost>

Date: Thu Apr 3 12:38:42 2008 +0000

Adjust spacing
between links.

pyme-web/default.css | 9 ++++++---
1 file changed, 6 insertions(+), 3 deletions(-)

commit cb2bddfbd77483b1deb14f2eab0715a03dd33fcd

Author: belyi <devnull@localhost>

Date: Wed Apr 2 22:50:21 2008 +0000

Make style a big more IE friendly.

pyme-web/default.css | 15 ++++++++-----

1 file changed, 11 insertions(+), 4 deletions(-)

commit ad66f0a1bb01b46baac328e9fee439b35a60c232

Author: belyi <devnull@localhost>

Date: Wed Apr 2 11:58:32 2008 +0000

Make GPGME documentation a bit more web friendly on the index.html page.

pyme-web/doc/gpgme/Algorithms.html | 2 +-

pyme-web/doc/gpgme/Concept-Index.html | 2 +-

pyme-web/doc/gpgme/Contexts.html | 2 +-

pyme-web/doc/gpgme/Error-Handling.html | 2 +-

pyme-web/doc/gpgme/Exchanging-Data.html | 2 +-

pyme-web/doc/gpgme/Function-and-Data-Index.html | 2 +-

pyme-web/doc/gpgme/Introduction.html | 4 +-

pyme-web/doc/gpgme/Library-Copying.html

| 2 +-

pyme-web/doc/gpgme/Preparation.html | 2 +-

pyme-web/doc/gpgme/Protocols-and-Engines.html | 2 +-

pyme-web/doc/gpgme/index.html | 229 +-----

11 files changed, 12 insertions(+), 239 deletions(-)

commit 4f57c0ccb049d4442e7732e2d1d05dabffd2a21d

Author: belyi <devnull@localhost>

Date: Wed Apr 2 06:12:57 2008 +0000

Add missing core.set_locale() to set default locale for contexts.

pyme/debian/changelog | 2 +-

pyme/pyme/core.py | 4 ++++

2 files changed, 5 insertions(+), 1 deletion(-)

commit acf7ead3dea8590cf9fe86b67bb125837ad6ed4f

Author: belyi <devnull@localhost>

Date: Wed Apr 2 05:50:24 2008 +0000

Avoid leaks caused by keys.

Add set/get methods for engine info.

pyme/debian/changelog | 10 ++++++++

pyme/pyme/core.py | 24 ++++++

2 files changed, 34 insertions(+)

commit df4a2fb518adbb6420d95ce74af212c87abff7e7
Author: belyi <devnull@localhost>
Date: Wed Apr 2 04:04:41 2008 +0000

Update index.html to reflect new versions on the web.

pyme-web/Makefile | 3 ++-
pyme-web/doc/gpgme/index.html | 4 +---
pyme-web/index.html | 4 ++--
3 files changed, 5 insertions(+), 6 deletions(-)

commit bd3ffc9bdf98d6aafde6b689c6c8215fa468612d
Author: belyi <devnull@localhost>
Date: Wed Apr 2 04:01:04 2008 +0000

Update PyMe documentation to match 0.8.0 version of the package.

pyme-web/doc/pyme/index.html | 14 ++++-----
pyme-web/doc/pyme/pyme.constants.keylist.mode.html | 1 +
pyme-web/doc/pyme/pyme.constants.protocol.html | 4 ++-
pyme-web/doc/pyme/pyme.constants.status.html | 9 ++++++
pyme-web/doc/pyme/pyme.core.html | 36 ++++++-----
pyme-web/doc/pyme/pyme.errors.html | 8 ++---
pyme-web/doc/pyme/pyme.html | 14 ++++-----
pyme-web/doc/pyme/pyme.util.html | 17 ++++++---
pyme-web/doc/pyme/pyme.version.html | 14 ++++-----
9 files changed, 82 insertions(+), 35 deletions(-)

commit 6973a69a317608a0d0661590d701f4e3f3a21b32
Author: belyi <devnull@localhost>
Date: Wed Apr 2 02:35:24 2008 +0000

Have a fix for Contents being put onto 'Function and Data Index' page.

pyme-web/doc/gpgme/Concept-Index.html | 2 +-
pyme-web/doc/gpgme/Function-and-Data-Index.html | 153 +-----
pyme-web/doc/gpgme/index.html | 154 ++++++-----
3 files changed, 155 insertions(+), 154 deletions(-)

commit 086315964cbc2abad1187f306dcb9c72ac3257f3
Author: belyi <devnull@localhost>
Date: Wed Apr 2 01:00:29 2008 +0000

Update GPGME documentation. It's for v1.1.6 now.

pyme-web/doc/gpgme/ASCII-Armor.html	57 ++
pyme-web/doc/gpgme/Advanced-Key-Editing.html	98 +++
pyme-web/doc/gpgme/Algorithms.html	47 ++
pyme-web/doc/gpgme/Building-the-Source.html	82 +++
.../doc/gpgme/Callback-Based-Data-Buffers.html	148 +++++
pyme-web/doc/gpgme/Cancellation.html	67 ++
pyme-web/doc/gpgme/Concept-Index.html	186 +++++
pyme-web/doc/gpgme/Context-Attributes.html	52 ++
pyme-web/doc/gpgme/Contexts.html	61 ++
pyme-web/doc/gpgme/Creating-Contexts.html	49 ++
pyme-web/doc/gpgme/Creating-Data-Buffers.html	47 ++
pyme-web/doc/gpgme/Creating-a-Signature.html	143 +++++
pyme-web/doc/gpgme/Crypto-Engine.html	79 +++
pyme-web/doc/gpgme/Crypto-Operations.html	67 ++
.../doc/gpgme/Cryptographic-Message-Syntax.html	42 ++
.../doc/gpgme/Data-Buffer-I_002fO-Operations.html	104 +++++
pyme-web/doc/gpgme/Data-Buffer-Meta_002dData.html	100 +++
pyme-web/doc/gpgme/Decrypt-and-Verify.html	79 +++
pyme-web/doc/gpgme/Decrypt.html	123 +++++
pyme-web/doc/gpgme/Deleting-Keys.html	67 ++
pyme-web/doc/gpgme/Destroying-Contexts.html	46 ++
pyme-web/doc/gpgme/Destroying-Data-Buffers.html	70 +++
pyme-web/doc/gpgme/Encrypt.html	45 ++
pyme-web/doc/gpgme/Encrypting-a-Plaintext.html	147 +++++
pyme-web/doc/gpgme/Engine-Configuration.html	65 ++
pyme-web/doc/gpgme/Engine-Information.html	119 +++++
pyme-web/doc/gpgme/Engine-Version-Check.html	48 ++
pyme-web/doc/gpgme/Error-Codes.html	133 +++++
pyme-web/doc/gpgme/Error-Handling.html	72 +++
pyme-web/doc/gpgme/Error-Sources.html	89 +++
pyme-web/doc/gpgme/Error-Strings.html	80 +++
pyme-web/doc/gpgme/Error-Values.html	159 +++++
pyme-web/doc/gpgme/Exchanging-Data.html	58 ++
pyme-web/doc/gpgme/Exporting-Keys.html	101 +++
pyme-web/doc/gpgme/Features.html	59 ++
pyme-web/doc/gpgme/File-Based-Data-Buffers.html	74 +++
pyme-web/doc/gpgme/Function-and-Data-Index.html	380 +++++
pyme-web/doc/gpgme/Generating-Keys.html	144 +++++
pyme-web/doc/gpgme/Getting-Started.html	55 ++
pyme-web/doc/gpgme/Hash-Algorithms.html	59 ++
pyme-web/doc/gpgme/Header.html	53 ++
.../doc/gpgme/I_002fO-Callback-Example-GDK.html	85 +++
.../gpgme/I_002fO-Callback-Example-GTK_002b.html	86 +++
.../doc/gpgme/I_002fO-Callback-Example-Qt.html	99 +++

pyme-web/doc/gpgme/I_002fO-Callback-Example.html | 259 +++++++
 pyme-web/doc/gpgme/I_002fO-Callback-Interface.html | 142 +++++
 pyme-web/doc/gpgme/Importing-Keys.html | 171 +++++
 pyme-web/doc/gpgme/Included-Certificates.html | 70 +++
 pyme-web/doc/gpgme/Information-About-Keys.html | 207 +++++++
 .../doc/gpgme/Information-About-Trust-Items.html | 75 +++
 pyme-web/doc/gpgme/Introduction.html | 53 ++
 pyme-web/doc/gpgme/Key-Listing-Mode.html | 99 +++
 pyme-web/doc/gpgme/Key-Management.html
 | 260 +++++++
 pyme-web/doc/gpgme/Key-Signatures.html | 130 ++++
 .../doc/gpgme/Largefile-Support-_0028LFS_0029.html | 110 ++++
 pyme-web/doc/gpgme/Library-Copying.html | 542 ++++++++
 pyme-web/doc/gpgme/Library-Version-Check.html | 97 +++
 pyme-web/doc/gpgme/Listing-Keys.html | 204 ++++++
 pyme-web/doc/gpgme/Listing-Trust-Items.html | 88 +++
 pyme-web/doc/gpgme/Locale.html | 69 +++
 pyme-web/doc/gpgme/Manipulating-Data-Buffers.html | 45 ++
 pyme-web/doc/gpgme/Manipulating-Keys.html | 63 ++
 pyme-web/doc/gpgme/Manipulating-Trust-Items.html | 62 ++
 pyme-web/doc/gpgme/Memory-Based-Data-Buffers.html | 107 ++++
 pyme-web/doc/gpgme/Multi-Threading.html | 93 +++
 pyme-web/doc/gpgme/OpenPGP.html | 44 ++
 pyme-web/doc/gpgme/Overview.html | 57 ++
 pyme-web/doc/gpgme/Passphrase-Callback.html | 101 +++
 pyme-web/doc/gpgme/Preparation.html
 | 54 ++
 pyme-web/doc/gpgme/Progress-Meter-Callback.html | 80 +++
 pyme-web/doc/gpgme/Protocol-Selection.html | 60 ++
 pyme-web/doc/gpgme/Protocols-and-Engines.html | 82 +++
 pyme-web/doc/gpgme/Public-Key-Algorithms.html | 74 +++
 .../doc/gpgme/Registering-I_002fO-Callbacks.html | 81 +++
 pyme-web/doc/gpgme/Run-Control.html | 53 ++
 pyme-web/doc/gpgme/Selecting-Signers.html | 64 ++
 pyme-web/doc/gpgme/Sign.html | 50 ++
 pyme-web/doc/gpgme/Signal-Handling.html | 61 ++
 pyme-web/doc/gpgme/Signature-Notation-Data.html | 85 +++
 pyme-web/doc/gpgme/Text-Mode.html | 63 ++
 pyme-web/doc/gpgme/Trust-Item-Management.html | 68 ++
 pyme-web/doc/gpgme/Using-Automake.html | 74 +++
 pyme-web/doc/gpgme/Using-External-Event-Loops.html | 74 +++
 pyme-web/doc/gpgme/Using-Libtool.html | 44 ++
 pyme-web/doc/gpgme/Verify.html
 | 492 ++++++++
 pyme-web/doc/gpgme/Waiting-For-Completion.html | 77 +++
 pyme-web/doc/gpgme/gpgme.html | 251 -----
 pyme-web/doc/gpgme/gpgme_1.html | 76 ---
 pyme-web/doc/gpgme/gpgme_10.html | 61 --

pyme-web/doc/gpgme/gpgme_11.html	130 ----
pyme-web/doc/gpgme/gpgme_12.html	82 ---
pyme-web/doc/gpgme/gpgme_13.html	130 ----
pyme-web/doc/gpgme/gpgme_14.html	108 ----
pyme-web/doc/gpgme/gpgme_15.html	69 ---
pyme-web/doc/gpgme/gpgme_16.html	169 -----
pyme-web/doc/gpgme/gpgme_17.html	63 --
pyme-web/doc/gpgme/gpgme_18.html	63 --
pyme-web/doc/gpgme/gpgme_19.html	66 --
pyme-web/doc/gpgme/gpgme_2.html	79 ---
pyme-web/doc/gpgme/gpgme_20.html	120 ----
pyme-web/doc/gpgme/gpgme_21.html	102 ---
pyme-web/doc/gpgme/gpgme_22.html	108 ----
pyme-web/doc/gpgme/gpgme_23.html	237 -----
pyme-web/doc/gpgme/gpgme_24.html	154 ----
pyme-web/doc/gpgme/gpgme_25.html	248 -----
pyme-web/doc/gpgme/gpgme_26.html	107 ----
pyme-web/doc/gpgme/gpgme_27.html	80 ---
pyme-web/doc/gpgme/gpgme_28.html	67 --
pyme-web/doc/gpgme/gpgme_29.html	164 ----
pyme-web/doc/gpgme/gpgme_3.html	86 ---
pyme-web/doc/gpgme/gpgme_30.html	106 ----
pyme-web/doc/gpgme/gpgme_31.html	232 -----
pyme-web/doc/gpgme/gpgme_32.html	85 ---
pyme-web/doc/gpgme/gpgme_33.html	223 -----
pyme-web/doc/gpgme/gpgme_34.html	83 ---
pyme-web/doc/gpgme/gpgme_35.html	70 ---
pyme-web/doc/gpgme/gpgme_36.html	63 --
pyme-web/doc/gpgme/gpgme_37.html	66 --
pyme-web/doc/gpgme/gpgme_38.html	86 ---
pyme-web/doc/gpgme/gpgme_39.html	79 ---
pyme-web/doc/gpgme/gpgme_4.html	83 ---
pyme-web/doc/gpgme/gpgme_40.html	89 ---
pyme-web/doc/gpgme/gpgme_41.html	99 ---
pyme-web/doc/gpgme/gpgme_42.html	144 ----
pyme-web/doc/gpgme/gpgme_43.html	152 ----
pyme-web/doc/gpgme/gpgme_44.html	112 ----
pyme-web/doc/gpgme/gpgme_45.html	101 ---
pyme-web/doc/gpgme/gpgme_46.html	459 -----
pyme-web/doc/gpgme/gpgme_47.html	292 -----
pyme-web/doc/gpgme/gpgme_48.html	363 -----
pyme-web/doc/gpgme/gpgme_49.html	209 -----
pyme-web/doc/gpgme/gpgme_5.html	74 ---
pyme-web/doc/gpgme/gpgme_50.html	88 ---
pyme-web/doc/gpgme/gpgme_51.html	208 -----

pyme-web/doc/gpgme/gpgme_52.html	154 ----
pyme-web/doc/gpgme/gpgme_53.html	291 -----
pyme-web/doc/gpgme/gpgme_54.html	91 ---
pyme-web/doc/gpgme/gpgme_55.html	107 ----
pyme-web/doc/gpgme/gpgme_56.html	140 ----
pyme-web/doc/gpgme/gpgme_57.html	106 ----
pyme-web/doc/gpgme/gpgme_58.html	89 ---
pyme-web/doc/gpgme/gpgme_59.html	97 ---
pyme-web/doc/gpgme/gpgme_6.html	77 ---
pyme-web/doc/gpgme/gpgme_60.html	142 ----
pyme-web/doc/gpgme/gpgme_61.html	626 -----
pyme-web/doc/gpgme/gpgme_62.html	107 ----
pyme-web/doc/gpgme/gpgme_63.html	67 --
pyme-web/doc/gpgme/gpgme_64.html	95 ---
pyme-web/doc/gpgme/gpgme_65.html	233 -----
pyme-web/doc/gpgme/gpgme_66.html	65 --
pyme-web/doc/gpgme/gpgme_67.html	220 -----
pyme-web/doc/gpgme/gpgme_68.html	75 ---
pyme-web/doc/gpgme/gpgme_69.html	119 ----
pyme-web/doc/gpgme/gpgme_7.html	123 ----
pyme-web/doc/gpgme/gpgme_70.html	107 ----
pyme-web/doc/gpgme/gpgme_71.html	218 -----
pyme-web/doc/gpgme/gpgme_72.html	134 ----
pyme-web/doc/gpgme/gpgme_73.html	299 -----
pyme-web/doc/gpgme/gpgme_74.html	103 ----
pyme-web/doc/gpgme/gpgme_75.html	104 ----
pyme-web/doc/gpgme/gpgme_76.html	118 ----
pyme-web/doc/gpgme/gpgme_77.html	95 ---
pyme-web/doc/gpgme/gpgme_78.html	71 ---
pyme-web/doc/gpgme/gpgme_79.html	686 -----
pyme-web/doc/gpgme/gpgme_8.html	155 ----
pyme-web/doc/gpgme/gpgme_80.html	120 ----
pyme-web/doc/gpgme/gpgme_81.html	278 -----
pyme-web/doc/gpgme/gpgme_82.html	272 -----
pyme-web/doc/gpgme/gpgme_83.html	180 -----
pyme-web/doc/gpgme/gpgme_84.html	99 ---
pyme-web/doc/gpgme/gpgme_9.html	104 ----
pyme-web/doc/gpgme/gpgme_abt.html	206 -----
pyme-web/doc/gpgme/gpgme_fot.html	53 --
pyme-web/doc/gpgme/gpgme_ovr.html	68 --
pyme-web/doc/gpgme/gpgme_toc.html	247 -----
pyme-web/doc/gpgme/index.html	497 +++++++-----

176 files changed, 9054 insertions(+), 13378 deletions(-)

commit 163c1053dc761682f5a4231da163bdd0ff7162d7

Author: belyi <devnull@localhost>

Date:

Tue Apr 1 21:14:29 2008 +0000

Update Home page to be a bit more visitor friendly.

```
pyme-web/Makefile | 2 +-
pyme-web/default.css | 27 ++++++
pyme-web/index.html | 70 ++++++-----
3 files changed, 75 insertions(+), 24 deletions(-)
```

commit 05db2d17d8fda0ab8c948bbdc0643dfc1466830d

Author: belyi <devnull@localhost>

Date: Sun Mar 30 21:27:38 2008 +0000

Add a rule to build binary distribution for Windows.

```
pyme/Makefile | 16 ++++++
1 file changed, 14 insertions(+), 2 deletions(-)
```

commit 57acb1089f5f8c24323ee62fc0a7f492a496b9c0

Author: belyi <devnull@localhost>

Date: Sat Mar 29 22:50:11 2008 +0000

Switch to using central location for python files (pycentral)

Update docs rule to fix location of the python source files.

```
pyme/Makefile | 5 +++-
pyme/debian/changelog | 4 +-
pyme/debian/control | 74 +++++-----
pyme/debian/dirs
| 2 --
pyme/debian/docs | 1 +
pyme/debian/postinst.ex | 48 -----
pyme/debian/postrm.ex | 38 -----
pyme/debian/preinst.ex | 44 -----
pyme/debian/prerm.ex | 39 -----
pyme/debian/rules | 50 +++++-----
pyme/debian/setup.cfg-2.2 | 8 ----
pyme/debian/setup.cfg-2.3 | 8 ----
pyme/debian/setup.cfg-2.4 | 8 ----
pyme/gpgme-h-clean.py | 2 +-
pyme/pyme/core.py | 2 +-
pyme/pyme/util.py | 2 +-
16 files changed, 28 insertions(+), 307 deletions(-)
```

commit 2b56fd10517cfbcffaa4ba98d8ea42f40f0d38a9

Author: belyi <devnull@localhost>

Date: Sun Mar 23 02:01:12 2008 +0000

Turn SWIG's autodoc feature on. Ignore 'next' in the types which are lists now.
Use new style for class declarations. Specify None as a default value for
core.check_version() method. Update version.py for 0.8.0 version.

```
pyme/examples/pygpa.py
| 2 +-
pyme/gpgme.i          | 5 +++++
pyme/pyme/core.py     | 2 +-
pyme/pyme/util.py     | 5 +++--
pyme/pyme/version.py  | 6 +++---
5 files changed, 13 insertions(+), 7 deletions(-)
```

commit df5e25d7ee4dc0aa0d429f9d009322dd8ac33bb8
Author: belyi <devnull@localhost>
Date: Thu Mar 20 19:07:00 2008 +0000

Improve matching for DEPRECATED typedefs

```
pyme/gpgme-h-clean.py | 4 +++-
1 file changed, 2 insertions(+), 2 deletions(-)
```

commit 78d8fc732848ac267ec65e9069265cd500587cdf
Author: belyi <devnull@localhost>
Date: Wed Mar 19 19:28:40 2008 +0000

Update API to use list when types containing 'next' field are return.
Update examples accordingly
Add verifydetails.py example
Start adding bullets for 0.8.0 version.

```
pyme/Makefile          | 2 +-
pyme/debian/changelog  | 14 +++++++-
pyme/examples/PyGtkGpgKeys.py | 53 ++++++++-----
pyme/examples/delkey.py | 7 +++-
pyme/examples/encrypt-to-all.py | 7 +++-
pyme/examples/exportimport.py | 7 +++-
pyme/examples/pygpa.py  | 70 ++++++++-----
pyme/examples/signverify.py | 11 +++---
pyme/examples/verifydetails.py | 79 ++++++++-----
pyme/gpgme.i          | 19 ++++++++-
10 files changed, 180 insertions(+), 89 deletions(-)
```

commit 342d85b07475e7360bcd62804bf5facda039494f
Author: belyi <devnull@localhost>
Date: Mon Mar 10 01:14:16 2008 +0000

Change references to source files so that they point to the WebCVS browse
location.

```

pyme-web/doc/pyme/index.html          | 2 +-
pyme-web/doc/pyme/pyme.callbacks.html  | 2 +-
pyme-web/doc/pyme/pyme.constants.data.encoding.html | 2 +-
pyme-web/doc/pyme/pyme.constants.data.html      | 2 +-
pyme-web/doc/pyme/pyme.constants.event.html     | 2 +-
pyme-web/doc/pyme/pyme.constants.html          | 2 +-
pyme-web/doc/pyme/pyme.constants.import.html    | 2 +-
pyme-web/doc/pyme/pyme.constants.keylist.html   | 2 +-
pyme-web/doc/pyme/pyme.constants.keylist.mode.html | 2 +-
pyme-web/doc/pyme/pyme.constants.md.html        | 2 +-
pyme-web/doc/pyme/pyme.constants.pk.html        | 2 +-
pyme-web/doc/pyme/pyme.constants.protocol.html  | 2 +-
pyme-web/doc/pyme/pyme.constants.sig.html       | 2 +-
pyme-web/doc/pyme/pyme.constants.sig.mode.html  | 2 +-
pyme-web/doc/pyme/pyme.constants.sigsum.html    | 2 +-
pyme-web/doc/pyme/pyme.constants.status.html    | 2 +-
pyme-web/doc/pyme/pyme.constants.validity.html  | 2 +-
pyme-web/doc/pyme/pyme.core.html              | 2 +-
pyme-web/doc/pyme/pyme.errors.html             | 2 +-
pyme-web/doc/pyme/pyme.html                  | 2 +-
pyme-web/doc/pyme/pyme.util.html              | 2 +-
pyme-web/doc/pyme/pyme.version.html           | 2 +-
22 files changed, 22 insertions(+), 22 deletions(-)

```

commit 4139dd1d066c1a6c892d84fe45dc3e6c4aa1b803

Author: belyi

<devnull@localhost>

Date: Sat Mar 8 18:21:08 2008 +0000

Add core.check_version(None) to all examples since this function is used by Gpgme to do internal initialization. Update debian/rules to use dh_pysupport instead of deprecated dh_python.

```

pyme/debian/rules          | 8 +++-----
pyme/examples/PyGtkGpgKeys.py | 7 ++++++-
pyme/examples/delkey.py     | 2 ++
pyme/examples/encrypt-to-all.py | 3 +++
pyme/examples/exportimport.py | 2 ++
pyme/examples/genkey.py     | 1 +
pyme/examples/inter-edit.py | 3 +++
pyme/examples/pygpa.py      | 5 +++++
pyme/examples/sign.py       | 2 ++
pyme/examples/signverify.py | 2 ++
pyme/examples/simple.py     | 2 ++
pyme/examples/t-edit.py     | 3 +++
12 files changed, 34 insertions(+), 6 deletions(-)

```

commit ae76c6176457dd38e0634cbc17d794294a3a81d2

Author: belyi <devnull@localhost>

Date: Wed Apr 12 22:20:38 2006 +0000

Change name of internal package name from 'gpgme' to 'pygpgme' to avoid conflict with gpgme.dll on Windows.

Fix build with SWIG 1.3.28.

Change version to 0.7.1 in a preparation for new release.

```
pyme/Makefile      | 3 +-
pyme/debian/changelog | 12 ++++
pyme/gpgme.i       | 19 +++--
pyme/pyme/callbacks.py | 1 -
pyme/pyme/core.py   | 153 ++++++-----
pyme/pyme/errors.py | 12 ++--
pyme/pyme/util.py   | 10 ++--
pyme/pyme/version.py | 2 +-
pyme/setup.py       | 4 +-
9 files changed, 116 insertions(+), 100 deletions(-)
```

commit d644383a76e9f83bc2d426628319e3c4a989dc2d

Author: belyi <devnull@localhost>

Date: Sat Dec 17 01:34:53 2005 +0000

Put all constants into pyme.constants package to avoid stepping on python reserved words.

Add build rules for Mingw32 and Cygwin on Windows. Rules for Mingw under Debian are still to come.

Fixed a small bug in pygpa.py example.

```
pyme/Makefile      | 11 ++++++---
pyme/examples/pygpa.py
| 3 ++-
pyme/pyme/__init__.py | 2 +-
pyme/pyme/constants/__init__.py | 3 +++
pyme/setup.py       | 42 ++++++-----
5 files changed, 51 insertions(+), 10 deletions(-)
```

commit 89eb370fcaa8adc9d219eadbaa579dde7bf06329

Author: belyi <devnull@localhost>

Date: Mon Aug 1 03:08:32 2005 +0000

Imported changes provided by Joost van Baal:

Use dh_python in debian/rules and change the Section pyme belongs to from 'libs' to 'python'.

```
pyme/debian/control | 6 +++--
```

pyme/debian/rules | 2 ++

2 files changed, 5 insertions(+), 3 deletions(-)

commit ad76d10c2a77b45b7459c62131279e946b860891

Author: belyi <devnull@localhost>

Date: Fri Jun 10 03:01:22 2005 +0000

Update 'docs' rule in Makefile to build packages first to ensure that documentation is build for the current version of pyme and not for the installed one.

Added 'callbacks' into the list of visible pyme modules (__all__ var.)

Slightly updated INSTALL
file.

pyme/INSTALL | 11 ++++++----

pyme/Makefile | 4 ++--

pyme/pyme/__init__.py | 2 +-
3 files changed, 11 insertions(+), 6 deletions(-)

commit 2fe1a81e00721698bfa6850b3db2eb85e43d1724

Author: belyi <devnull@localhost>

Date: Wed Jun 8 16:16:18 2005 +0000

Update pyme documentation to remove dead links to pyme.gpgme.html and
pyme._gpgme.html

Added reference to the installed GPGME and PyMe documentation to the head
web page.

Updated Makefile to install all *.html files and to clean *~ files in all
subdirectories

pyme-web/Makefile | 10 ++++++----

pyme-web/doc/pyme/index.html | 8 +++-----

pyme-web/doc/pyme/pyme.callbacks.html | 8 -----

pyme-web/doc/pyme/pyme.core.html | 1 -

pyme-web/doc/pyme/pyme.errors.html | 8 -----

pyme-web/doc/pyme/pyme.html | 8 +++-----

pyme-web/doc/pyme/pyme.util.html | 8 -----

pyme-web/index.html | 9 ++++++--

8 files

changed, 19 insertions(+), 41 deletions(-)

commit 6aa34cce4ea0099e50b4936dfee59778157b8ca8

Author: belyi <devnull@localhost>

Date: Wed Jun 8 15:18:20 2005 +0000

Added pyme and gpgme documentation.

pyme-web/doc/gpgme/gpgme.html	251 +++++++
pyme-web/doc/gpgme/gpgme_1.html	76 +++
pyme-web/doc/gpgme/gpgme_10.html	61 ++
pyme-web/doc/gpgme/gpgme_11.html	130 ++++
pyme-web/doc/gpgme/gpgme_12.html	82 +++
pyme-web/doc/gpgme/gpgme_13.html	130 ++++
pyme-web/doc/gpgme/gpgme_14.html	108 ++++
pyme-web/doc/gpgme/gpgme_15.html	69 +++
pyme-web/doc/gpgme/gpgme_16.html	169 +++++
pyme-web/doc/gpgme/gpgme_17.html	63 ++
pyme-web/doc/gpgme/gpgme_18.html	63 ++
pyme-web/doc/gpgme/gpgme_19.html	66 ++
pyme-web/doc/gpgme/gpgme_2.html	79 +++
pyme-web/doc/gpgme/gpgme_20.html	120 ++++
pyme-web/doc/gpgme/gpgme_21.html	102 +++
pyme-web/doc/gpgme/gpgme_22.html	108 ++++
pyme-web/doc/gpgme/gpgme_23.html	237 +++++++
pyme-web/doc/gpgme/gpgme_24.html	154 +++++
pyme-web/doc/gpgme/gpgme_25.html	248 +++++++
pyme-web/doc/gpgme/gpgme_26.html	107 ++++
pyme-web/doc/gpgme/gpgme_27.html	80 +++
pyme-web/doc/gpgme/gpgme_28.html	67 ++
pyme-web/doc/gpgme/gpgme_29.html	164 +++++
pyme-web/doc/gpgme/gpgme_3.html	86 +++
pyme-web/doc/gpgme/gpgme_30.html	106 ++++
pyme-web/doc/gpgme/gpgme_31.html	232 +++++++
pyme-web/doc/gpgme/gpgme_32.html	85 +++
pyme-web/doc/gpgme/gpgme_33.html	223 +++++++
pyme-web/doc/gpgme/gpgme_34.html	83 +++
pyme-web/doc/gpgme/gpgme_35.html	70 +++
pyme-web/doc/gpgme/gpgme_36.html	63 ++
pyme-web/doc/gpgme/gpgme_37.html	66 ++
pyme-web/doc/gpgme/gpgme_38.html	86 +++
pyme-web/doc/gpgme/gpgme_39.html	79 +++
pyme-web/doc/gpgme/gpgme_4.html	83 +++
pyme-web/doc/gpgme/gpgme_40.html	89 +++
pyme-web/doc/gpgme/gpgme_41.html	99 +++
pyme-web/doc/gpgme/gpgme_42.html	144 +++++
pyme-web/doc/gpgme/gpgme_43.html	152 +++++
pyme-web/doc/gpgme/gpgme_44.html	112 ++++
pyme-web/doc/gpgme/gpgme_45.html	101 +++
pyme-web/doc/gpgme/gpgme_46.html	459 ++++++
pyme-web/doc/gpgme/gpgme_47.html	292 +++++++
pyme-web/doc/gpgme/gpgme_48.html	363 +++++++
pyme-web/doc/gpgme/gpgme_49.html	

209 +++++++	
pyme-web/doc/gpgme/gpgme_5.html	74 +++
pyme-web/doc/gpgme/gpgme_50.html	88 +++
pyme-web/doc/gpgme/gpgme_51.html	208 +++++++
pyme-web/doc/gpgme/gpgme_52.html	154 +++++
pyme-web/doc/gpgme/gpgme_53.html	291 ++++++++
pyme-web/doc/gpgme/gpgme_54.html	91 +++
pyme-web/doc/gpgme/gpgme_55.html	107 +++++
pyme-web/doc/gpgme/gpgme_56.html	140 +++++
pyme-web/doc/gpgme/gpgme_57.html	106 +++++
pyme-web/doc/gpgme/gpgme_58.html	89 +++
pyme-web/doc/gpgme/gpgme_59.html	97 +++
pyme-web/doc/gpgme/gpgme_6.html	77 +++
pyme-web/doc/gpgme/gpgme_60.html	142 +++++
pyme-web/doc/gpgme/gpgme_61.html	626 ++++++
pyme-web/doc/gpgme/gpgme_62.html	
107 +++++	
pyme-web/doc/gpgme/gpgme_63.html	67 ++
pyme-web/doc/gpgme/gpgme_64.html	95 +++
pyme-web/doc/gpgme/gpgme_65.html	233 +++++++
pyme-web/doc/gpgme/gpgme_66.html	65 ++
pyme-web/doc/gpgme/gpgme_67.html	220 +++++++
pyme-web/doc/gpgme/gpgme_68.html	75 +++
pyme-web/doc/gpgme/gpgme_69.html	119 +++++
pyme-web/doc/gpgme/gpgme_7.html	123 +++++
pyme-web/doc/gpgme/gpgme_70.html	107 +++++
pyme-web/doc/gpgme/gpgme_71.html	218 +++++++
pyme-web/doc/gpgme/gpgme_72.html	134 +++++
pyme-web/doc/gpgme/gpgme_73.html	299 ++++++++
pyme-web/doc/gpgme/gpgme_74.html	103 +++++
pyme-web/doc/gpgme/gpgme_75.html	104 +++++
pyme-web/doc/gpgme/gpgme_76.html	118 +++++
pyme-web/doc/gpgme/gpgme_77.html	
95 +++	
pyme-web/doc/gpgme/gpgme_78.html	71 +++
pyme-web/doc/gpgme/gpgme_79.html	686 ++++++
pyme-web/doc/gpgme/gpgme_8.html	155 +++++
pyme-web/doc/gpgme/gpgme_80.html	120 +++++
pyme-web/doc/gpgme/gpgme_81.html	278 ++++++++
pyme-web/doc/gpgme/gpgme_82.html	272 ++++++++
pyme-web/doc/gpgme/gpgme_83.html	180 +++++
pyme-web/doc/gpgme/gpgme_84.html	99 +++
pyme-web/doc/gpgme/gpgme_9.html	104 +++++
pyme-web/doc/gpgme/gpgme_abt.html	206 ++++++
pyme-web/doc/gpgme/gpgme_fot.html	53 ++
pyme-web/doc/gpgme/gpgme_ovr.html	68 ++
pyme-web/doc/gpgme/gpgme_toc.html	247 ++++++++
pyme-web/doc/gpgme/index.html	251 ++++++++

```

pyme-web/doc/pyme/index.html
    | 166 +++++
pyme-web/doc/pyme/pyme.callbacks.html      | 50 ++
.../doc/pyme/pyme.constants.data.encoding.html | 48 ++
pyme-web/doc/pyme/pyme.constants.data.html  | 29 +
pyme-web/doc/pyme/pyme.constants.event.html | 48 ++
pyme-web/doc/pyme/pyme.constants.html       | 39 ++
pyme-web/doc/pyme/pyme.constants.import.html | 49 ++
pyme-web/doc/pyme/pyme.constants.keylist.html | 29 +
pyme-web/doc/pyme/pyme.constants.keylist.mode.html | 48 ++
pyme-web/doc/pyme/pyme.constants.md.html    | 58 ++
pyme-web/doc/pyme/pyme.constants.pk.html    | 50 ++
pyme-web/doc/pyme/pyme.constants.protocol.html | 46 ++
pyme-web/doc/pyme/pyme.constants.sig.html    | 29 +
pyme-web/doc/pyme/pyme.constants.sig.mode.html | 47 ++
pyme-web/doc/pyme/pyme.constants.sigsum.html | 55 ++
pyme-web/doc/pyme/pyme.constants.status.html | 117 +++++
pyme-web/doc/pyme/pyme.constants.validity.html | 50 ++
pyme-web/doc/pyme/pyme.core.html
    | 254 ++++++++
pyme-web/doc/pyme/pyme.errors.html          | 90 +++
pyme-web/doc/pyme/pyme.html                 | 166 +++++
pyme-web/doc/pyme/pyme.util.html            | 78 +++
pyme-web/doc/pyme/pyme.version.html         | 37 ++
pyme-web/index.html                        | 6 +-
113 files changed, 14966 insertions(+), 1 deletion(-)

```

commit 2d6fe54479f042644f7b0f3d2fe35877d2056144

Author: belyi <devnull@localhost>

Date: Thu May 19 02:06:09 2005 +0000

Added INSTALL file.

```

pyme/INSTALL | 10 ++++++++
1 file changed, 10 insertions(+)

```

commit d6892fff0c3cedf41dba4c25ab8608e7f2bc039c

Author: belyi <devnull@localhost>

Date: Tue May 17 16:49:28 2005 +0000

Update copyright note on simple.py

```

pyme/examples/simple.py | 4 ++-
1 file changed, 2 insertions(+), 2 deletions(-)

```

commit c2cd9cdf5995843aad7b200b929db2969effc9d2

Author: belyi <devnull@localhost>

Date: Tue May 17 15:03:58 2005

+0000

Update simple.py to catch errors.

pyme/examples/simple.py | 17 ++++++++-----
1 file changed, 11 insertions(+), 6 deletions(-)

commit eaedae7c6a0ea993caab067efe781a59b6769c44
Author: belyi <devnull@localhost>
Date: Tue May 17 01:18:23 2005 +0000

Added 'PYTHON = python' into Makefile for bug #1199122

pyme/Makefile | 1 +
pyme/examples/signverify.py | 1 +
2 files changed, 2 insertions(+)

commit 56fd244bb2636a4d58629899ea3cde1d96428198
Author: belyi <devnull@localhost>
Date: Wed Apr 27 21:37:06 2005 +0000

Added pygpa example.

pyme/debian/changelog | 3 +-
pyme/examples/pygpa.glade | 5546 +++++++++++++++++++++++++++++++++++++
pyme/examples/pygpa.py | 1459 ++++++++
3 files changed, 7007 insertions(+), 1 deletion(-)

commit 2d9a2a91a59ac3fee5410c953b7e0859e9e7cd35
Author: belyi <devnull@localhost>
Date: Thu Apr 21 15:17:51 2005 +0000

Change version to 0.7.0 due to the change in license.

pyme/debian/changelog
| 2 +-
pyme/pyme/version.py | 2 +-
2 files changed, 2 insertions(+), 2 deletions(-)

commit 94e34e38d742f145385bd235825b6ba1e30d8339
Author: belyi <devnull@localhost>
Date: Thu Apr 21 03:53:12 2005 +0000

Changed license on PyMe from GPL to LGPL.
PyMe examples keep GPL license.

pyme/COPYING.LESSER | 510 ++++++++
pyme/Makefile | 20 +-
2 files changed, 10 insertions(+), 1 deletion(-)

```

pyme/debian/changelog      | 4 +-
pyme/debian/copyright     | 22 +-
pyme/gpgme-h-clean.py     | 16 ++
pyme/gpgme.i              | 20 +-
pyme/helpers.c            | 20 +-
pyme/helpers.h            | 20 +-
pyme/pyme/__init__.py      | 20 +-
pyme/pyme/callbacks.py     | 20 +-
pyme/pyme/constants/data/encoding.py | 20 +-
pyme/pyme/constants/event.py | 20 +-
pyme/pyme/constants/import.py | 20 +-
pyme/pyme/constants/keylist/mode.py | 20 +-
pyme/pyme/constants/md.py
    | 20 +-
pyme/pyme/constants/pk.py  | 20 +-
pyme/pyme/constants/protocol.py | 20 +-
pyme/pyme/constants/sig/mode.py | 20 +-
pyme/pyme/constants/sigsum.py | 20 +-
pyme/pyme/constants/status.py | 20 +-
pyme/pyme/constants/validity.py | 20 +-
pyme/pyme/core.py          | 20 +-
pyme/pyme/errors.py        | 20 +-
pyme/pyme/util.py          | 20 +-
pyme/pyme/version.py       | 22 +-
pyme/setup.py              | 20 +-
26 files changed, 761 insertions(+), 233 deletions(-)

```

commit 0d8aa0f6335cb1506a37085095ed45173b099a02

Author: belyi <devnull@localhost>

Date: Tue Apr 19 01:46:06 2005 +0000

Added `__hash__` and `__eq__` methods to `GpgmeWrapper` to allow both `Context()` and `Data()` to be used as a dictionary key.

Changed `core.wait()` function to always return a tuple. On timeout now it returns `(0, None)` instead of just `None`. Plus, return context is

now a

`Context()` object instead of a wrapper return by underlying `gpgme`.

```

pyme/helpers.c | 1 -
pyme/pyme/core.py | 25 ++++++++-----
pyme/pyme/util.py | 9 +++++++
3 files changed, 24 insertions(+), 11 deletions(-)

```

commit 63ff6d10637be1dcbcd78c939ac1ef1ac30b1024

Author: belyi <devnull@localhost>

Date: Wed Apr 6 04:58:40 2005 +0000

Made hook parameter optional in `passphrase_cb` and `progress_cb`.

Allowed None for callbacks to unset ones set previously.
 Removed cleanup of exception in callbacks - now just retrieve the error code.
 Added prev_bad parameter in passphrase_cb since it can be used in
 change password protocols.
 Updated examples to follow new sets of arguments in callbacks
 Updated op_edit to check if passed key is None (otherwise gpgme dumps core)
 God rid of annoying warning "function declaration isn't a prototype" in
 helpers.c and helpers.h by changing from () to (void) list of arguments.

```
pyme/debian/changelog      | 10 +++++---
pyme/examples/signverify.py | 2 +-
pyme/examples/t-edit.py   | 2 +-
pyme/gpgme.i              | 18 ++++++-----
pyme/helpers.c            | 60 ++++++-----
pyme/helpers.h            | 4 +--
pyme/pyme/callbacks.py    | 6 +++--
pyme/pyme/core.py         | 47 ++++++-----
pyme/pyme/errors.py       | 2 +-
9 files changed, 96 insertions(+), 55 deletions(-)
```

```
commit 8f0ab8138c7aa190936376ccbfb33bb09c64d6f1
Author: belyi <devnull@localhost>
Date: Thu Mar 31 23:50:59 2005 +0000
```

Added exception handling in passphrase_cb and edit_cb. If GPGMEError
 exception is thrown in those callbacks it will be converted into its
 core representation and return as an error code to the caller.
 On all other exceptions error code will be GPG_ERR_GENERAL.

```
pyme/Makefile             | 1 +
pyme/debian/changelog     | 8 ++++++++
pyme/gpgme.i              | 20 ++++++-----
pyme/helpers.c            | 51
+++++-----
pyme/helpers.h            | 3 +++
5 files changed, 71 insertions(+), 12 deletions(-)
```

```
commit 9903d1fb11231e7e3d920e58d1ecb674c5988b07
Author: belyi <devnull@localhost>
Date: Thu Mar 31 05:12:15 2005 +0000
```

Remove workaround from Context.wait() method since the bug report and
 patch fixing gpgme_wait's behavior is sent to GPMGE developers already.
 Added errorcheck into op_edit() so that it can report an error.

```
pyme/pyme/core.py | 10 +++++-----
1 file changed, 5 insertions(+), 5 deletions(-)
```

commit 45e8a5f4e13d3ca797ec3b0037242874a6be5562

Author: belyi <devnull@localhost>

Date: Sat Mar 26 19:44:18 2005 +0000

Updated version number to 0.6.2 in version.py

Added examples/*.glade files into documentation package.

pyme/debian/examples | 1 +

pyme/pyme/version.py | 2 +-
2 files changed, 2 insertions(+), 1 deletion(-)

commit 270b87bb40e180cb6e8f1de9a0e8161525ffa4ab

Author: belyi <devnull@localhost>

Date: Sat Mar

26 19:31:14 2005 +0000

Updated debian/changelog regarding PyGtkGpgKeys example and a fix in errors.

pyme/debian/changelog | 5 ++++-

1 file changed, 4 insertions(+), 1 deletion(-)

commit ea4682009a506db91e5174ffd038fe7e4406b591

Author: belyi <devnull@localhost>

Date: Sat Mar 26 19:25:36 2005 +0000

Added handling of right mouse button click.

Changed reporting a string instead of a number on key generation failure.

pyme/examples/PyGtkGpgKeys.glade | 2 ++

pyme/examples/PyGtkGpgKeys.py | 30 ++++++-----

2 files changed, 29 insertions(+), 3 deletions(-)

commit f65ad1a703d0098a3204fb8527a54d253e5847e7

Author: belyi <devnull@localhost>

Date: Sat Mar 26 18:11:11 2005 +0000

Added another column indicating if a key has a secret part.

Automated generation of the View menu from the view field of the KeyColumn class.

pyme/examples/PyGtkGpgKeys.glade | 93 ++-----

pyme/examples/PyGtkGpgKeys.py | 74

+++++-----

2 files changed, 44 insertions(+), 123 deletions(-)

commit b54e83a7a7a5785502f3c7e8b95f15e23b40e65a

Author: belyi <devnull@localhost>

Date: Sat Mar 26 16:45:13 2005 +0000

Small change to the way gtk.TreeModel object is used.

pyme/examples/PyGtkGpgKeys.py | 21 ++++++-----
1 file changed, 10 insertions(+), 11 deletions(-)

commit 7078db75cef4c1fd70cf03e37172bdb4f933fd1b

Author: belyi <devnull@localhost>

Date: Fri Mar 25 23:33:06 2005 +0000

Use more comprehensible error reporting since gpgme_strerror_r returns None all the time.

pyme/pyme/errors.py | 6 +++--
1 file changed, 3 insertions(+), 3 deletions(-)

commit 151213f4344d9984975721440af07de09e3df61c

Author: belyi <devnull@localhost>

Date: Fri Mar 25 04:30:17 2005 +0000

Improved PyGtkGpgKeys example to manage owner_trust on keys.
Added another example inter-edit.py which is just a helper to write scripts for Context.op_edit() command.

pyme/examples/PyGtkGpgKeys.glade
| 78 ++++++
pyme/examples/PyGtkGpgKeys.py | 68 ++++++-----
pyme/examples/inter-edit.py | 54 ++++++
pyme/examples/t-edit.py | 18 ++++++
4 files changed, 212 insertions(+), 6 deletions(-)

commit fc7235af217bcee5231ce7fbd7f234712d5ad3b0

Author: belyi <devnull@localhost>

Date: Fri Mar 25 00:30:39 2005 +0000

Updated PyGtkGpgKeys example to include import, export and reload functionality. Also added ability to remove number of keys simultaneously. Rearranged how KeyColumn is used to avoid unnecessary sorts and duplication of information in different parts of the code.

pyme/examples/PyGtkGpgKeys.glade | 86 ++++++--
pyme/examples/PyGtkGpgKeys.py | 332 ++++++-----
2 files changed, 325 insertions(+), 93 deletions(-)

commit 9f65749ccb1b7cab562e19c03f4371d5f7d94912

Author: belyi <devnull@localhost>

Date: Thu Mar 24 05:51:03

2005 +0000

Added example of PyGTK+ and PyMe integration.

For now it does only simple things - listing, deleting, and generating keys.

```
pyme/examples/PyGtkGpgKeys.glade | 1321 ++++++
pyme/examples/PyGtkGpgKeys.glade | 8 +
pyme/examples/PyGtkGpgKeys.py | 424 ++++++
3 files changed, 1753 insertions(+)
```

commit 59e23f32c3b46413c9ec09e23e1a385a110fb103

Author: belyi <devnull@localhost>

Date: Thu Mar 24 05:44:58 2005 +0000

Added wait method Context class which handles asynchronous calls a little bit better than the one generated by SWIG.

```
pyme/debian/changelog | 7 ++++++
pyme/gpgme.i | 1 +
pyme/pyme/core.py | 40 ++++++
3 files changed, 48 insertions(+)
```

commit 4c1b5259e4985df2cba0ae4fc09f12cd94603a75

Author: belyi <devnull@localhost>

Date: Tue Mar 22 18:29:31 2005 +0000

Added correct handling of Context.op_edit() method.

Added example/t-edit.py showing
usage for this method.

Output of this example should match output of the tests/gpg/t-edit
from the GPGME test suite.

Remove unused static function from helpers.c

```
pyme/examples/t-edit.py | 38 ++++++
pyme/gpgme.i | 36 ++++++
pyme/helpers.c | 36 -----
pyme/pyme/core.py | 5 ++++
4 files changed, 78 insertions(+), 37 deletions(-)
```

commit dc587e215283bfef2dd594f86a7b2945f74f5155

Author: belyi <devnull@localhost>

Date: Sat Mar 19 01:43:59 2005 +0000

Update changelog to include note about deprecated function in 0.6.1 release

```
pyme/debian/changelog | 3 +-
pyme/examples/encrypt-to-all.py | 3 +--
2 files changed, 3 insertions(+), 3 deletions(-)
```

commit 86de4b3ad777f980ccf7ba3462c85bbe1787d1fd

Author: belyi <devnull@localhost>

Date: Sat Mar 19 01:40:07 2005 +0000

Remove deprecated functions from helpers.[ch]

Use gpgme-h-clean.py

to remove deprecated functions and typedefs from
the GPGME header file. This will reduce the number of unused methods.

```
pyme/Makefile      | 4 ++--
pyme/gpgme-h-clean.py | 26 ++++++
pyme/helpers.c      | 8 -----
pyme/helpers.h      | 2 --
4 files changed, 28 insertions(+), 12 deletions(-)
```

commit 2483efcbd0d73c628c4d7717928a766c3b58f0aa

Author: belyi <devnull@localhost>

Date: Fri Mar 18 22:15:52 2005 +0000

Update copyright and author values in pyme/version.py

Create rules to build distribution files - one full and one without
debian bits.

```
pyme/Makefile      | 28 ++++++
pyme/pyme/version.py | 12 ++++++
2 files changed, 28 insertions(+), 12 deletions(-)
```

commit 168593285380f5a7805f3dd08657d429a72d3621

Author: belyi <devnull@localhost>

Date: Fri Mar 18 19:09:33 2005 +0000

Added package building for python2.4

Updated copyright notes to include myself and avoid confusion who's the
maintainer.

In John's own words: "I'd prefer to just step out of the picture".

Jonh's copyright notice left intact.

```
pyme/Makefile      | 6 +++--
pyme/debian/changelog | 7 ++++++
pyme/debian/control  | 30 ++++++
pyme/debian/copyright | 10 ++++++
pyme/debian/rules     | 4 +++++
pyme/debian/setup.cfg-2.4 | 8 ++++++
pyme/examples/genkey.py | 4 ++--
pyme/gpgme.i         | 4 ++--
pyme/helpers.c       | 4 ++--
```

```

pyme/helpers.h | 4 ++--
pyme/pyme/__init__.py | 4 ++--
pyme/pyme/callbacks.py | 4 ++--
pyme/pyme/constants/data/encoding.py | 4 ++--
pyme/pyme/constants/event.py | 4 ++--
pyme/pyme/constants/import.py | 4 ++--
pyme/pyme/constants/keylist/mode.py | 4 ++--
pyme/pyme/constants/md.py | 4 ++--
pyme/pyme/constants/pk.py
| 4 ++--
pyme/pyme/constants/protocol.py | 4 ++--
pyme/pyme/constants/sig/mode.py | 4 ++--
pyme/pyme/constants/sigsum.py | 4 ++--
pyme/pyme/constants/status.py | 4 ++--
pyme/pyme/constants/validity.py | 4 ++--
pyme/pyme/core.py | 4 ++--
pyme/pyme/errors.py | 4 ++--
pyme/pyme/util.py | 4 ++--
pyme/pyme/version.py | 2 +-
pyme/setup.py | 3 ++-
28 files changed, 96 insertions(+), 54 deletions(-)

```

commit 6dbbb252771133724b2879ed6d767cd708196dae

Author: belyi <devnull@localhost>

Date: Fri Mar 18 18:04:35 2005 +0000

Remove the note about gpgme.i to be generated - it's been the primary source for some time.

```

pyme/gpgme.i | 6 -----
1 file changed, 6 deletions(-)

```

commit 9d449fa4889c6bda6d14583c0625b8d5c4ffe759

Author: belyi <devnull@localhost>

Date: Fri May 7 18:31:22 2004 +0000

Added my copyright in genkey.py since there's enough changes made.

Updated signverify to use only keys generated by genkey.py, to check that keys added to singers are able to sign and to check that the list of signers is not empty. The last check is necessary to prevent signing with the key of the user running signverify.py script.
Added delkey.py script to delete keys generated by genkey.py
Added exportimport.py example for key export/import.

```

pyme/examples/delkey.py | 29 ++++++
pyme/examples/exportimport.py | 76 ++++++
pyme/examples/genkey.py | 6 ++-

```

pyme/examples/signverify.py | 18 ++++++----
4 files changed, 119 insertions(+), 10 deletions(-)

commit df98c8d28245ad2c14b0ab50fc8f8932853bec8b
Author: belyi <devnull@localhost>
Date: Tue May 4 17:34:15 2004 +0000

Added examples/signverify.py for unattended sing/verify.
Updated examples/genkey.py to work correctly.
Updated gpgme.i to allow None as a value for gpgme_data_t

pyme/examples/genkey.py | 14 ++-----
pyme/examples/signverify.py | 72 +++
pyme/gpgme.i | 21 ++++++-----
3 files changed, 87 insertions(+), 20 deletions(-)

commit ba45931abf530ab89ead46d7233ff1b62b629a18
Author: belyi <devnull@localhost>
Date: Thu Apr 8 16:15:09 2004 +0000

Ensure that we support only python2.2 and up. :-)
Use generators in core.Context class which makes pyme.aux obsolete
Remove importing future nested_scopes since they are standard starting
with python2.2

pyme/pyme/__init__.py | 5 ++---
pyme/pyme/aux.py | 56 -----
pyme/pyme/core.py | 15 ++++++-----
pyme/pyme/errors.py | 1 -
pyme/pyme/util.py | 2 +-
5 files changed, 15 insertions(+), 64 deletions(-)

commit 4e9be5a55ecffa4da7ad5c192cc892eddaaa9586
Author: belyi <devnull@localhost>
Date: Sun Mar 21 03:53:30 2004 +0000

Small change to index.html
Added clean: rule to the Makefile

pyme-web/Makefile | 3 +++
pyme-web/index.html | 6 ++---
2 files changed, 6 insertions(+), 3 deletions(-)

commit 2efb95176f4edf56ed61c9ac0c3aa09c56534df0
Author: belyi <devnull@localhost>
Date: Sun Mar 21 03:00:32 2004 +0000

Added Makefile rules for pyme module installation.

pyme/Makefile | 5 ++++-

1 file changed, 4 insertions(+), 1 deletion(-)

commit 2b83d5d8b513029cc3e54f2fa502ccc85618104b

Author: belyi <devnull@localhost>

Date: Sun Mar 21 02:29:54 2004 +0000

Decorative change.

pyme/pyme/aux.py | 2 +-

1 file changed, 1 insertion(+), 1 deletion(-)

commit e3478015d763a036c1d806ae01433fce59712204

Author: belyi <devnull@localhost>

Date: Sun Mar 21 02:25:55 2004 +0000

Added RCS Id: tags

pyme/Makefile | 1 +
pyme/examples/encrypt-to-all.py | 3 ++-
pyme/examples/genkey.py | 3 ++-
pyme/examples/sign.py | 3 ++-
pyme/examples/simple.py
| 3 ++-
pyme/gpgme.i | 1 +
pyme/helpers.c | 1 +
pyme/helpers.h | 1 +
pyme/pyme/__init__.py | 1 +
pyme/pyme/aux.py | 1 +
pyme/pyme/callbacks.py | 1 +
pyme/pyme/constants/__init__.py | 2 ++
pyme/pyme/constants/data/__init__.py | 2 ++
pyme/pyme/constants/data/encoding.py | 1 +
pyme/pyme/constants/event.py | 1 +
pyme/pyme/constants/import.py | 1 +
pyme/pyme/constants/keylist/__init__.py | 2 ++
pyme/pyme/constants/keylist/mode.py | 1 +
pyme/pyme/constants/md.py | 1 +
pyme/pyme/constants/pk.py | 1 +
pyme/pyme/constants/protocol.py | 1 +
pyme/pyme/constants/sig/__init__.py | 2 ++
pyme/pyme/constants/sig/mode.py | 1 +
pyme/pyme/constants/sigsum.py | 1 +
pyme/pyme/constants/status.py | 1 +
pyme/pyme/constants/validity.py | 1
+
pyme/pyme/core.py | 1 +

pyme/pyme/errors.py | 1 +
pyme/pyme/util.py | 1 +
pyme/pyme/version.py | 2 ++
30 files changed, 39 insertions(+), 4 deletions(-)

commit b3b3712645332c5bc3e8d9d557aab21d48ff0f86

Author: belyi <devnull@localhost>

Date: Sun Mar 21 02:07:36 2004 +0000

Added Id: RCS tags to all files.

pyme-web/Makefile | 2 ++
pyme-web/index.html | 3 ++-
2 files changed, 4 insertions(+), 1 deletion(-)

commit 6aea2426beaaa8c43e6f2310a37a2737c0c3a1b5

Author: belyi <devnull@localhost>

Date: Sun Mar 21 01:50:55 2004 +0000

Update example on the init pyme.html page to match simple.py example.
Fix core.py to use getcode() instead of getvalue() method of the exception.

pyme/pyme/__init__.py | 22 ++++++++-----
pyme/pyme/core.py | 4 ++-
2 files changed, 16 insertions(+), 10 deletions(-)

commit dee337455ffd624d3f83e1c159c4bb2cefc692c9

Author: belyi <devnull@localhost>

Date:

Sat Mar 20 20:32:29 2004 +0000

Added Makefile to simplify publishing web files.

pyme-web/Makefile | 7 ++++++
1 file changed, 7 insertions(+)

commit af7129baa8260697d85c2ddb434562e8a80b62d8

Author: belyi <devnull@localhost>

Date: Sat Mar 20 20:15:53 2004 +0000

Added minimum of formatting and SF icon.

pyme-web/index.html | 18 ++++++++-----
1 file changed, 11 insertions(+), 7 deletions(-)

commit 2e64dcbf99cee796b51667b04d8961e390edde87

Author: belyi <devnull@localhost>

Date: Sat Mar 20 18:30:09 2004 +0000

Initial revision

pyme-web/index.html | 33 ++++++
1 file changed, 33 insertions(+)

commit 1c51644b3d0b6611422d971758e35f303d2ad5df

Author: belyi <devnull@localhost>

Date: Sat Mar 20 05:10:46 2004 +0000

Update examples and package information on the initial pyme doc page.

pyme/pyme/__init__.py | 27 ++++++-----
1 file changed, 12 insertions(+), 15 deletions(-)

commit b2d31b0bfbffdf5247d6db4e3c95140cc1b1f19

Author:

belyi <devnull@localhost>

Date: Sat Mar 20 04:47:42 2004 +0000

Deleted unnecessary files.

Updated debian/control to remove dependency on python-xml package since there's none now.

Move example files from 'doc' into separate control file.

Update debian/rules to build documentation from *.py files and to exclude CVS directories from the installation.

pyme/Makefile | 26 ++-----
pyme/debian/control | 8 +--
pyme/debian/docs | 1 -
pyme/debian/ex.package.doc-base | 22 -----
pyme/debian/examples | 1 +
pyme/debian/manpage.1.ex | 60 -----
pyme/debian/manpage.sgml.ex | 152 -----
pyme/debian/rules | 12 ++--
8 files changed, 15 insertions(+), 267 deletions(-)

commit 1b517dd9b82a433499b4696b06d94d756cd36e53

Author: belyi <devnull@localhost>

Date: Sat Mar 20 02:59:15 2004 +0000

Remove doc/gpgme

directory containing GPGME documentation since this belongs to a different project. Need to add reference in our documentation.

pyme/doc/gpgme/fdl.texi | 402 -----
pyme/doc/gpgme/gpgme.texi | 3372 -----
pyme/doc/gpgme/gpl.texi | 397 -----

pyme/doc/gpgme/version.texi | 4 -
4 files changed, 4175 deletions(-)

commit 95d7d171da115a0fedfe2a4a7e5acc8aa408f673
Author: belyi <devnull@localhost>
Date: Sat Mar 20 02:45:03 2004 +0000

Change debian/rules to generate files by swig during build and to cleanup those files on 'clean' rule.
Plus, leave generated gpgme_wrap.c in the root directory instead of moving it into subdirectory 'generated'.

pyme/Makefile | 8 +++-----
pyme/debian/rules | 3 ++-
pyme/setup.py | 2 +-
3 files changed, 6 insertions(+), 7 deletions(-)

commit 545b3d90d445c5c78e8d72b2c1780863e02c789a
Author: belyi <devnull@localhost>
Date: Sat Mar 20 02:18:01 2004 +0000

Initial revision

pyme/COPYING	340 +++++
pyme/ChangeLog	802 ++++++++
pyme/Makefile	79 +
pyme/debian/README.Debian	6 +
pyme/debian/changelog	19 +
pyme/debian/control	68 +
pyme/debian/copyright	27 +
pyme/debian/dirs	2 +
pyme/debian/docs	2 +
pyme/debian/ex.package.doc-base	22 +
pyme/debian/manpage.1.ex	60 +
pyme/debian/manpage.sgml.ex	152 ++
pyme/debian/postinst.ex	48 +
pyme/debian/postrm.ex	38 +
pyme/debian/preinst.ex	44 +
pyme/debian/prerm.ex	39 +
pyme/debian/rules	130 ++
pyme/debian/setup.cfg-2.2	8 +
pyme/debian/setup.cfg-2.3	8 +
pyme/doc/gpgme/fdl.texi	402 +++++
pyme/doc/gpgme/gpgme.texi	3372 ++++++
pyme/doc/gpgme/gpl.texi	397 +++++
pyme/doc/gpgme/version.texi	4 +
pyme/examples/encrypt-to-all.py	63 +


```

pyme/examples/genkey.py      | 55 +
pyme/examples/sign.py        | 28 +
pyme/examples/simple.py      | 44 +
pyme/gpgme.i                 | 191 ++
pyme/helpers.c                | 139 ++
pyme/helpers.h                | 29 +
pyme/pyme/__init__.py         | 134 ++
pyme/pyme/aux.py              | 55 +
pyme/pyme/callbacks.py        | 45 +
pyme/pyme/constants/__init__.py | 2 +
pyme/pyme/constants/data/__init__.py | 2 +
pyme/pyme/constants/data/encoding.py | 19 +
pyme/pyme/constants/event.py  | 19 +
pyme/pyme/constants/import.py | 19 +
pyme/pyme/constants/keylist/__init__.py
| 2 +
pyme/pyme/constants/keylist/mode.py | 19 +
pyme/pyme/constants/md.py     | 19 +
pyme/pyme/constants/pk.py     | 19 +
pyme/pyme/constants/protocol.py | 19 +
pyme/pyme/constants/sig/__init__.py | 2 +
pyme/pyme/constants/sig/mode.py | 19 +
pyme/pyme/constants/sigsum.py | 19 +
pyme/pyme/constants/status.py  | 19 +
pyme/pyme/constants/validity.py | 19 +
pyme/pyme/core.py             | 367 ++++
pyme/pyme/errors.py           | 46 +
pyme/pyme/util.py             | 61 +
pyme/pyme/version.py          | 39 +
pyme/setup.py                 | 60 +
53 files changed, 7642 insertions(+)

```

commit a3d5a442dc713b6c4d6fc4134db5b47e379dc41d

Author: root <devnull@localhost>

Date: Fri Mar 19 14:12:30 2004 +0000

initial checkin

```

CVSROOT/checkoutlist | 13 ++++++++
CVSROOT/commitinfo   | 15 ++++++++
CVSROOT/config
| 21 ++++++++
CVSROOT/cvswrappers | 19 ++++++++
CVSROOT/editinfo     | 21 ++++++++
CVSROOT/loginfo      | 26 ++++++++
CVSROOT/modules      | 26 ++++++++
CVSROOT/notify       | 12 ++++++++
CVSROOT/rcsinfo      | 13 ++++++++

```

```
CVSROOT/taginfo | 20 ++++++
CVSROOT/verifysmg | 21 ++++++
11 files changed, 207 insertions(+)
-----BEGIN PGP PUBLIC KEY BLOCK-----
```

```
mQENBFrsKEkBCADKw4Wt8J6M/88qD8PO6lSMCxH1cpwH8iK0uPaFFYsJkkXo7kWf
PTAtrV+REqF/o80dvYcdLvRsV21pvncZz/HXLU1yQ18mC3XObrKokbdgrTTKA5XE
BZkNsqyaMMJauT18H4hYkSg62/tTdO1cu/zWv/LFf7Xyn6+uA74ovXCJlO1s0N2c
PShtr98QRzPMf2owgV37JnDNp4gGVDGHxSZOuUwXgYAZYN8SFc+c+3ZrQfY870
+O4j3Mz4p7yD13AwP4buQLBsb/ixekeQCqpRjLH9f7MdEcGXa1x36RcEkHdu+M
yJ392eMgD+dKNfRCtyTPhjZTxvbNELIBYICfABEBAAG0EHRlc3RAZXhhbXBsZS5v
cmeJAVQEEwEIAD4WIQTUFzW5Ejb9uIEJFojAWNe7/DLBQUcWuwoSQIbAwUJA8Jn
AAULCQgHAgYVCgkICwIEFgIDAQIeAQIXgAAKCRAjAWNe7/DLBf9kB/wOQ/S60HGw
Fq07W9N01HWULyHhKoMmcHL6rfZ64oDqLxolPSasz7WAMW1jN4qtWJ0mFzW083V6
kaBe+wF6Kqir6udFSBW9rPcFg6/VZXPlt0a6uacIHq6DyQ5iMW4YQWbVy9OR2rN
GkYo1JCBr0XdrJYCSX3yB4TWv/eXnZ37/WjmiTOIZh35rjs+NuU/S5JPDfAp2/k7
0DevQeBsv+UjVXjWpNTZmPbvDnd995uSmC6UY4hzyP84ORYMYn9n1QAR0goxDN6U
unOf9Rlp1oMzdxMool/d1MlCxcg2h3jheuhv7lgUF4KpvHOuEPXQ7UO417E0TYcDZ
1J8Nsv87SZEuQENBFrsKEkBCADJoEBHg/QPqZHg8VyoD1xYRAWGxyDJkX/GrSs6
yE+x2hk5FoQCajxKa/d4AVxOnJpdwhAfeXeSNaql5Ejgzax+Tdj9BV6vtGVJVv0p
O7bgAiZxkA6RHxtNqhpPnPQoXvUzkzpRgpuL+Nj4yIg7z1ITH6KQH4u5SI9vd+j/
8i9Taz67pdZwuJjac8qBuJHjzAo1bjYctFYUSG5pbmMQyNLySzziNkFa4DajODlt
3RuqVGP316Fk+Sy2+60tC/HIX8jgMyMONfOGBQx6jk8tvAphS/LAqrrNepnagIyL
UGKU+L8cB2g1PGGp2biBFWqZbudZoyRBet/0yH/zirBdQJw1ABEBAAGJATwEGAEI
ACYWIQTUFzW5Ejb9uIEJFojAWNe7/DLBQUcWuwoSQIbDAUJA8JnAAAKCRAjAWNe
7/DLBf0pCACp5hBuUWngu2Hqvg+tNiujsiYzId3MffFxek3CbXeHcJ5F32NDJ9
PYCnra4L8wSv+Nzt9gIa8lFwoFSFQCjzH7KE86XcV3MhfdJTNb/+9CR7Jq3e/4Iy
0N5ip7PNYMCyakcAsxvsNCJKrSaDuYe/OAoTXRBtgRWE2uyT315em02Lkr+2Cc/Q
k6H+vlNOHGRgnpl/OZZjnUuUfBUvMGHr1phW+y7aeymC9PnUGdViRdJe23nntMSD
A+0/I7ESO9JsWvJbyBmuiZpu9JjScOjYH9xpQLqRNYw4WHpZriN69F0t9Mmd7bM1
+UyPgbPEr0iWMeyctYsuOLeUyQKMscDT
=QyY6
```

-----END

PGP PUBLIC KEY BLOCK-----

Using gpgme.js

At first, make sure that the environment you want to use gpgme.js in has access and permissions for nativeMessaging, and gpgme-json installed. For details, see the README.

The library itself is started via the {@link init} method. This will test the nativeMessaging connection, and then resolve into an Object offering the top level API:

```
* [encrypt]{@link GpgME#encrypt}
* [decrypt]{@link GpgME#decrypt}
* [sign]{@link GpgME#sign}
* [verify]{@link GpgME#verify}
```

```
* [Keyring]{@link GPGME_Keyring}
```

```
...
```

```
gpgmejs.init()
  .then(function(GPGME) {
    // using GPGME
  }, function(error){
    // error handling;
  })
...
```

All methods that require communication with nativeMessaging are asynchronous, using Promises. Rejections will be instances of {@link GPGME_Error}.

An exception are Keys, which can be initialized in a 'sync' mode, allowing them to be cached and used synchronously until manually refreshed.

Keyring and Keys

The gnupg keys
can be accessed via the [Keyring]{@link GPGME_Keyring}.

The Keyring offers the methods for accessing information on all Keys known to gnupg.

****Due to security constraints, the javascript-binding currently only offers limited support for secret-Key interaction.****

The existence of secret Keys is not secret, and those secret Keys can be used for signing, but Operations that may expose, modify or delete secret Keys are not supported.

```
* [getKeysArmored]{@link GPGME_Keyring#getKeysArmored}
* [getKeys]{@link GPGME_Keyring#getKeys}
* [getDefaultKey]{@link GPGME_Keyring#getDefaultKey}
* [generateKey]{@link GPGME_Keyring#generateKey}
* [deleteKey]{@link GPGME_Keyring#deleteKey}
\input texinfo @c -*- texinfo -*-
@c %**start of header
@setfilename what-is-new.info
@settitle What's New in the GPGME Python Bindings and Documentation
@documentencoding utf-8
@documentlanguage en
@c %**end of header

@finalout
@titlepage
@title What's New in the GPGME Python Bindings and Documentation
```

@author Ben McGinnes

@end titlepage

@contents

@ifnottex

@node Top

@top What's New in the GPGME Python Bindings and Documentation

@end ifnottex

@menu

* What's New::

@detailmenu

--- The Detailed Node Listing ---

What's New

* New in GPGME 1130::

@end detailmenu

@end menu

@node What's New

@chapter What's New

@multitable {aaaaaaaaaaaaaaaa} {aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa}

@item Version:

@tab 0.0.1

@item GPGME Version:

@tab 1.13.0

@item Author:

@tab Ben McGinnes <ben@@gnupg.org>

@item Author GPG Key:

@tab DB4724E6FA4286C92B4E55C4321E4E2373590E5D

@item Language:

@tab Australian English, British English

@item xml:lang:

@tab en-AU, en-GB, en

@end multitable

Last time the most

obviously new thing was adding the @emph{What's New}
section to the HOWTO. Now it's moving it out of the HOWTO.

@menu

* New in GPGME 1130::

@end menu

@node New in GPGME 1130
@section New in GPGME 1130

Additions since GPGME 1.12.0 include:

@itemize

@item

Moving the @emph{What's New} section out of the basic @uref{gpgme-python-howto.org, HOWTO} document and

into its own file so as to more readily include other documents

beyond that HOWTO.

@item

Moving the preceding, archival, segments into @uref{what-was-new.org, another file}.

@item

Added @samp{gpg.version.versionintlist} to make it easier for Python developers to check for a specific version number, even with beta versions (it will drop the "-betaN" part).

@item

Added expanded detail on issues pertaining to installing for Windows users.

@item

Bindings enter @uref{maintenance-mode, maintenance mode} from January, 2019.

@item

Added documentation on maintenance mode and what changes can be made to the code when in that status. Essentially

that boils down to bug

fixes only and no feature requests.

@item

The import-keys-hkp.py example script, which uses the @samp{hkp4py} module to search the SKS servers for a key, has been tightened up to search for both hexadecimal key IDs and user ID strings with reduced chance of unnecessary repetition. There may still be some repetition if a key includes a user ID matching the hexadecimal value of a key ID.

@end itemize

@bye

;;; gpgme-grovel.lisp

;;; This file is part of GPGME-CL.

;;;

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;;; under the terms of the GNU General Public License as published by

;;; the Free Software Foundation; either version 2 of the License, or

;;; (at your option) any later version.

;;;

;;; GPGME-CL is distributed in the hope that it will be useful, but

```

;;; WITHOUT ANY WARRANTY; without even the implied warranty of
;;; MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
;;; Lesser General Public License for more details.
;;;
;;; You should have received a copy of the GNU General Public License
;;; along with GPGME; if not, write to the Free Software Foundation,
;;; Inc., 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA.

```

```
(in-package :gpgme)
```

```
(include "errno.h" "sys/types.h")
```

```
(constant (+ebadf+ "EBADF"))
```

```
(ctype off-t "off_t")
```

```
(ctype size-t "size_t")
```

```
(ctype ssize-t "ssize_t")
```

```
(cvar ("errno" *errno*) :int)
```

```
(21:protected-private-key(3:elg(1:p129:W#} }l;;m>
```

```
;4YV$Qg
```

```
LoLy~*Tru*+ID8"-9,:17^g*({ #7)(1:g1:)(1:y128:2o62,Tj/
```

```
rRi3sSS iCAYNYbVtAHKi7(UPp)?Od{'R^f)(9:protected25:openpgp-s2k3-sha1-aes-
```

```
cbc((4:sha18:fw`E7:5242880)16:aqR)192:5f1a-`{^EV699WoB\,:Rs1*W6Lu iZ
```

```
:=ZqURM47;pA3#DL
```

```
so8O)Th^P@lP0&.DR;"rkN7)(12:protected-at15:20101008T070216)))
```

For a list of the authors of the source code of GPGME, please see the file AUTHORS. The following people supported GPGME development in various ways (for example by finding bugs or giving advice), and we want to thank them for their help. If we forgot you, please let us know.

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This is a template. The dist target uses it to create the real file.

Summary: GPGME - GnuPG Made Easy

Name: gpgme

Version: 1.13.1

Release: 1

URL: <https://gnupg.org/gpgme.html>

Source: <https://www.gnupg.org/ftp/gcrypt/gpgme/%{name}-%{version}.tar.gz>

Group: Development/Libraries

Copyright: GPL

BuildRoot: %{_tmppath}/%{name}-%{version}

BuildRequires: make

Prereq: /sbin/ldconfig /sbin/install-info

Requires: gnupg

%description

GnuPG Made Easy (GPGME) is a library designed to make access to GnuPG easier for applications. It provides a High-Level Crypto API for encryption, decryption, signing, signature verification and key management.

%prep

%setup -q

%build

CFLAGS="\$RPM_OPT_FLAGS"; export CFLAGS

./configure --prefix=/usr

make

%install

rm -fr \$RPM_BUILD_ROOT

mkdir -p \$RPM_BUILD_ROOT

make install prefix=\$RPM_BUILD_ROOT/usr infodir=\$RPM_BUILD_ROOT%{_infodir}

rm -f \$RPM_BUILD_ROOT%{_infodir}/dir

```

%clean
rm -fr $RPM_BUILD_ROOT
make distclean

%post
/sbin/ldconfig
/sbin/install-info %{_infodir}/gpgme.info.gz
%{_infodir}/dir
/sbin/install-info %{_infodir}/gpgme-python-howto.info.gz %{_infodir}/dir

%preun
if [ "$1" = 0 ]; then
/sbin/install-info --delete %{_infodir}/gpgme.info.gz %{_infodir}/dir
/sbin/install-info --delete %{_infodir}/gpgme-python-howto.info.gz %{_infodir}/dir
fi

%postun
/sbin/ldconfig

%files
%defattr(-,root,root)
%doc COPYING COPYING.LESSER AUTHORS README INSTALL NEWS ChangeLog TODO THANKS
%attr(0755,root,root) %{_bindir}/gpgme-config
%attr(0755,root,root) %{_libdir}/*gpgme.so*
%attr(0755,root,root) %{_libdir}/*gpgme.la
%attr(0644,root,root) %{_libdir}/*gpgme.a
%{_includedir}/gpgme.h
%{_datadir}/aclocal/gpgme.m4
%{_infodir}/gpgme.info*
%{_infodir}/gpgme-python-howto.info*

%changelog
* Sat Aug 30 2003 Robert Schiele <rschiele@uni-mannheim.de>
- %{_infodir}/dir is not packaged, remove to prevent checking failure
* Mon Jul 01 2002 Wojciech Polak <polak@lodz.pdi.net>
- initial specfile release for GPGME.

# EOF

```

1.266 glib 2.56.4-158.el8

1.266.1 Available under license :

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1.269 unzip 6.0-46.el8

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

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

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

5.42, the complete

core code is now covered by the Info-ZIP Licence. Therefore, support for the reduce method has been removed.

The drop of the reduce method should only affect some test archives, reducing was never used in any publically distributed Zip program.

For pathologic cases where support for reduced archive entries is needed, the unreduce code copyrighted by Samuel H. Smith is available as a separate distribution (the restricted copyright of this code is cited below in the "historical" section).

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- * MoreFiles
- *
- * A collection of File Manager and related routines
- *
- * by Jim Luther (Apple Macintosh Developer Technical Support Emeritus)
- * with significant code contributions by Nitin Ganatra
- * (Apple Macintosh Developer Technical Support Emeritus)
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- *
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- * -----
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Regarding the first stipulation, Mr. Smith was tracked down in southern California some years back [Samuel H. Smith, The Tool Shop; as of mid-May 1994, (213) 851-9969 (voice), (213) 887-2127(?) (subscription BBS), 71150.2731@compuserve.com]:

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

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

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The remaining code was written by many people associated with the
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Greg Roelofs (overall program logic, ZipInfo, unshrink, filename
mapping/portability, etc.), Mark Adler (inflate, explode, funzip),
Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine
Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows
DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and
others. See the file CONTRIBS in the source distribution for a much
more complete list of contributors.

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

1.270 json-c 0.13.1-3.el8

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1.271 libcap 2.48-2.el8

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text of gpl-2.0.txt:

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```
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  with the Invariant Sections being @var{list their titles}, with
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```
@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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Section 6 states terms for distribution of such executables.

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

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

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any

executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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a) Accompany the work with the complete corresponding machine-readable

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

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user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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

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The

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section 10

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

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

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

In addition,
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This option is useful when you wish to copy part of the code of the

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

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

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

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

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not.

Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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

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

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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials

specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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

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

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

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

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END OF TERMS AND CONDITIONS

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

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

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

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

That's all there is to it!

@ignore

@c Set file name and title for man page.

@setfilename gpl

@settitle GNU General Public License

@c man begin SEEALSO

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

@c man end

@c man begin COPYRIGHT

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@c man end

@end ignore

@node Copying

@c man begin DESCRIPTION

@appendix GNU GENERAL PUBLIC LICENSE

@c The GNU General Public License.

@center Version 3, 29 June 2007

@c This file is intended to be included within another document,

@c hence no sectioning command or @node.

@display

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

To prevent this, the GPL assures that patents cannot be used to render the program non-free.

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

@heading TERMS AND CONDITIONS

@enumerate 0

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

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

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You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey

the machine-readable

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@item

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@item

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

@item

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

@item

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

@item

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Ty Coon, President of Vice
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/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)

* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)

*

* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.

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* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY

* interrupts us (except possibly for removal/insertion of the cable?)

* 10/4/97 - began heavy inline documentation of the code. Corrected typos

* and spelling mistakes.

* 10/5/97 - added code to handle PHY interrupts, disable PHY on

* loss of link, and correctly re-enable PHY when link is

* re-established. (put back CFG_PHYIE)

*

* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.

*

- * R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
- *
- * Linux driver for the IDT77201 NICStAR PCI ATM controller.
- * PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
- * see init_nicstar() for PHY initialization to change this. This driver
- * expects the Linux ATM stack to support scatter-gather
- lists
- * (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
- *
- * Implementing minimal-copy of received data:
- * IDT always receives data into a small buffer, then large buffers
- * as needed. This means that data must always be copied to create
- * the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
- * Fix is simple: make large buffers large enough to hold entire
- * SDU, and leave <small_buffer_data> bytes empty at the start. Then
- * copy small buffer contents to head of large buffer.
- * Trick is to avoid fragmenting Linux, due to need for a lot of large
- * buffers. This is done by 2 things:
- * 1) skb->destructor / skb->atm.recycle_buffer
- * combined, allow nicstar_free_rx_skb to be called to
- * recycle large data buffers
- * 2) skb_clone of received buffers
- * See nicstar_free_rx_skb and linearize_buffer for implementation
- * details.
- *
- *
- *
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- *
- * M. Welsh, 6 July 1996
- *
- *
- */

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1.280 glibc 2.28-189.1.el8

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The Unicode Standard, Unicode Character Database, Version 10.0.0

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```
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<pre>
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Mesa 3-D Graphics Library v21.0.3

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Ext headers	GL/glxt.h	Khronos
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include/GL/gl.h :

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graphics library

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include/GL/wglxext.h :

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1.284 dijit 1.17.2

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1.287 libcap 2.48-2.el8

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```
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1.288 util-linux 2.32.1-35.el8

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```
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;*!;._>KfBqxY(F|0.Ve%S61opMG`YfRXvY[R+t[ BS=)d ;*!;._>KfBqxY(F|0.Ve%Q?f_{+T@Uo)2fgYZ
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1.289 expat 2.2.5-8.el8

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1.291 glibc-gconv-extra 2.28-189.1.el8

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1.295 python3-ethtool 0.14-5.el8

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1.296 e2fsprogs 1.45.6-4.el8

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Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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

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

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

```
all:: image
```

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

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


image: \$(BSD_LIB)

\$(BSD_LIB): \$(OBJS)

(cd pic; ld -Bshareable -o \$(BSD_LIB) \$(LDFLAGS_SHLIB) \$(OBJS))

\$(MV) pic/\$(BSD_LIB) .

\$(RM) -f ../\$(BSD_LIB)

(cd ..; \$(LN) \$(LINK_BUILD_FLAGS) \

`echo \$(my_dir) | sed -e 's;lib/;;'/'\$(BSD_LIB) \$(BSD_LIB))

install-shlibs install:: \$(BSD_LIB)

@echo " INSTALL_PROGRAM \$(BSDLIB_INSTALL_DIR)/\$(BSD_LIB)"

@\$(INSTALL_PROGRAM) \$(BSD_LIB) \

\$(DESTDIR)\$ (BSDLIB_INSTALL_DIR)/\$(BSD_LIB)

@-\$(LDCONFIG)

install-strip: install

install-shlibs-strip:: install-shlibs

uninstall-shlibs uninstall::

\$(RM) -f \$(DESTDIR)\$ (BSDLIB_INSTALL_DIR)/\$(BSD_LIB)

clean::

\$(RM)

-rf pic

\$(RM) -f \$(BSD_LIB)

\$(RM) -f ../\$(BSD_LIB)

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Index: tdbsa/tdb.c

=====

--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

*/

/*

- Unix SMB/CIFS implementation.
- + trivial database library - standalone version

- trivial database library - private includes

-

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Gadi Oxman, August 1995

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Theodore Ts'o
23-June-2007

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

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

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1.297 dmidecode 3.3-4.el8

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1.299 rpm 4.14.3-23.el8

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(Executables containing this object code plus portions of the Library will still fall under Section 6.)

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1.300 dnf-plugins-core 4.0.21-11.el8

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Schemas for Java EE Deployment Descriptors:

- javaee_5.xsd
- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
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The original XML Schemas for Java EE Deployment Descriptors:

- javaee_5.xsd
- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
- web-common_4_0.xsd
- web-fragment_4_0.xsd

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

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*
/tomcat-jsp-api-9-0-63-sources-jar/javax/servlet/jsp/tagext/BodyTagSupport.java
* /tomcat-jsp-api-9-0-63-sources-jar/javax/servlet/jsp/JspTagException.java
* /tomcat-jsp-api-9-0-63-sources-jar/javax/servlet/jsp/tagext/TagVariableInfo.java
* /tomcat-jsp-api-9-0-63-sources-jar/javax/servlet/jsp/tagext/VariableInfo.java
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* /tomcat-jsp-api-9-0-63-sources-jar/javax/servlet/jsp/ErrorData.java
* /tomcat-jsp-api-9-0-63-sources-jar/javax/servlet/jsp/el/ELException.java
*
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 * /tomcat-jsp-api-9-0-63-sources-jar/javax/servlet/jsp/el/ELParseException.java

- * /tomcat-jsp-api-9-0-63-sources-jar/javax/servlet/jsp/tagext/TagInfo.java
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1.319 tomcat-servlet-api 9.0.63

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- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
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may be obtained from:

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- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
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1.321 tomcat-jasper-el 9.0.63

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1.322 tomcat-jaspic-api 9.0.63

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Found in path(s):

* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/callback/PasswordValidationCallback.java
*

/tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/ClientAuth.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/MessagePolicy.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/config/ServerAuthConfig.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/callback/SecretKeyCallback.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/config/ServerAuthContext.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/config/RegistrationListener.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/module/ClientAuthModule.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/config/AuthConfig.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/AuthStatus.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/module/ServerAuthModule.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/callback/PrivateKeyCallback.java
*
/tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/config/ClientAuthConfig.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/ServerAuth.java

* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/MessageInfo.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/config/AuthConfigProvider.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/callback/GroupPrincipalCallback.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/config/ClientAuthContext.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/config/AuthConfigFactory.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/callback/TrustStoreCallback.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/callback/CallerPrincipalCallback.java
* /tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/AuthException.java
*
/tomcat-jaspic-api-9-0-63-sources-jar/javax/security/auth/message/callback/CertStoreCallback.java

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Schemas for Java EE Deployment Descriptors:

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- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
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The original XML Schemas for Java EE Deployment Descriptors:

- javaee_5.xsd
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- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd

- web-app_4_0.xsd
- web-common_4_0.xsd
- web-fragment_4_0.xsd

may be obtained from:

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

1.326 tomcat-coyote 9.0.63

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1.328 tomcat-i18n-ja 9.0.63

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- javaee_web_services_1_3.xsd
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- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd

- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
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Schemas for Java EE Deployment Descriptors:

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- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
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- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
- web-common_4_0.xsd
- web-fragment_4_0.xsd

may be obtained from:

1.329 tomcat-i18n-pt-br 9.0.63

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- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
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- web-app_4_0.xsd
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- javaee_5.xsd
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- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
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For the following XML

Schemas for Java EE Deployment Descriptors:

- javaee_5.xsd

- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
- web-common_4_0.xsd
- web-fragment_4_0.xsd

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- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
- web-common_4_0.xsd
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- web-app_3_0.xsd
- web-common_3_0.xsd
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- javaee_5.xsd
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- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
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- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
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For the following XML

Schemas for Java EE Deployment Descriptors:

- javaee_5.xsd

- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
- web-common_4_0.xsd
- web-fragment_4_0.xsd

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- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
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may be obtained from:
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1.334 tomcat-i18n-ko 9.0.63

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- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd

- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
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Schemas for Java EE Deployment Descriptors:

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- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
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- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
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1.335 tomcat-i18n-cs 9.0.63

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- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
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- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
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Schemas for Java EE Deployment Descriptors:

- javaee_5.xsd
- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
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- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
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may be obtained from:

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1.336 tomcat-websocket-api 9.0.63

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- javaee_5.xsd
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- javaee_web_services_1_3.xsd
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Schemas for Java EE Deployment Descriptors:

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- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
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- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd

- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
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For the following XML

Schemas for Java EE Deployment Descriptors:

- javaee_5.xsd
- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
- web-common_4_0.xsd
- web-fragment_4_0.xsd

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- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd

- web-app_4_0.xsd
- web-common_4_0.xsd
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1.339 tomcat-i18n-zh-cn 9.0.63

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developed by the JGroups project (<http://www.jgroups.org/>).

The Windows Installer is built with the Nullsoft
Scriptable Install System (NSIS), which is
open source software. The original software and
related information is available at
<http://nsis.sourceforge.net>.

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

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

For portions of the Tomcat JNI OpenSSL API and the OpenSSL JSSE integration
The org.apache.tomcat.jni and the org.apache.tomcat.net.openssl packages
are derivative work originating from the Netty project and the finagle-native
project developed at Twitter

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For portions of the Tomcat cloud support

The org.apache.catalina.tribes.membership.cloud package contains derivative work originating from the jgroups project.

<https://github.com/jgroups-extras/jgroups-kubernetes>

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The original XML Schemas for Java EE Deployment Descriptors:

- javaee_5.xsd
- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
- web-common_4_0.xsd
- web-fragment_4_0.xsd

may be obtained from:

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

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- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd

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- web-common_3_0.xsd
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Schemas for Java EE Deployment Descriptors:

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- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
- web-common_4_0.xsd
- web-fragment_4_0.xsd

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The original XML Schemas for Java EE Deployment Descriptors:

- javaee_5.xsd
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- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
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- web-common_4_0.xsd
- web-fragment_4_0.xsd

may be obtained from:

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Source Code

The project maintains the following source code repositories:

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*     bug 186342 - [compiler][null] Using annotations for null checking
*     bug 331649 - [compiler][null] consider null annotations for fields
*     bug 383368 - [compiler][null] syntactic null analysis for field references
*     bug 382069 - [null] Make the null analysis consider JUnit's assertNotNull similarly to assertions
*     bug 403086 - [compiler][null] include the effect of 'assert'
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- * bug 342671 - ClassCastException: org.eclipse.jdt.internal.compiler.lookup.SourceTypeBinding cannot be cast to org.eclipse.jdt.internal.compiler.lookup.ArrayBinding
- * Bug 420894 - ClassCastException in DefaultBindingResolver.resolveType(Type)
- * bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
- * Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
- * Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
- * Bug 434600 - Incorrect null analysis error reporting on type parameters
- * Bug 435570 - [1.8][null] @NonNullByDefault illegally tries to affect "throws E"
- * Bug 456508 - Unexpected RHS PolyTypeBinding for: <code-snippet>
- * Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param
- * Andy Clement - Contributions for
- * Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)

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* Stephan Herrmann - Contributions for

* bug 349326 - [1.7] new warning for missing try-with-resources

* bug 374605 - Unreasonable warning for enum-based switch statements

* bug 382353 - [1.8][compiler] Implementation property modifiers should be accepted on default methods.

* bug 382354 - [1.8][compiler] Compiler silent on conflicting modifier

* bug 401030 - [1.8][null] Null analysis support for lambda methods.

* Bug

416176 - [1.8][compiler][null] null type annotations cause grief on type variables

* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault

* Jesper S Moller - Contributions for

* bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression

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*     Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
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*     bug 343713 - [compiler] bogus line number in constructor of inner class in 1.5 compliance
*     bug 349326 - [1.7] new warning for missing try-with-resources
*     bug 186342 - [compiler][null] Using annotations for null checking
*     bug 361407 - Resource leak warning when resource is assigned to a field outside of constructor
*     bug 368546 - [compiler][resource] Avoid
remaining false positives found when compiling the Eclipse SDK
*     bug 383690 - [compiler] location of error re uninitialized final field should be aligned
*     bug 331649 - [compiler][null] consider null annotations for fields
*     bug 383368 - [compiler][null] syntactic null analysis for field references
*     bug 400421 - [compiler] Null analysis for fields does not take @com.google.inject.Inject into account
*     Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
*     Bug 416176 - [1.8][compiler][null] null type annotations cause grief on type variables
*     Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
*     Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for

```

* Bug 415399 - [1.8][compiler] Type annotations on constructor results dropped by the code generator
* Ulrich Grave <ulrich.grave@gmx.de> - Contributions
for

* bug 386692 - Missing "unused" warning on "autowired" fields
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* Lars Vogel <Lars.Vogel@vogella.com> - Contributions for
* Bug 473178
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* Bug 435570 - [1.8][null] @NonNullByDefault illegally tries to affect "throws E"

* Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param

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* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault

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* Bug 409236 - [1.8][compiler] Type annotations on intersection cast types dropped by code generator

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/codegen/CachedIndexEntry.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveryScannerData.java

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* Stephan Herrmann - Contributions for

* bug 349326 - [1.7] new warning for missing try-with-resources

* bug 186342 - [compiler][null] Using annotations for null checking

* bug 364890 - BinaryTypeBinding should use char constants from Util

* bug 365387 - [compiler][null] bug 186342: Issues to follow up post review and verification.

* bug 358903 - Filter practically unimportant resource leak warnings

* bug

365531 - [compiler][null] investigate alternative strategy for internally encoding nullness defaults

* bug 388800 - [1.8][compiler] detect default methods in class files

* bug 388281 - [compiler][null] inheritance of null annotations as an option

* bug 331649 - [compiler][null] consider null annotations for fields

* bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files

* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099

* Bug 415850 - [1.8] Ensure RunJDTCoreTests can cope with null annotations enabled

* Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.

* Bug 427199 - [1.8][resource] avoid resource leak warnings on Streams that have no resource

* Bug 392245 - [1.8][compiler][null] Define whether

/ how @NonNullByDefault applies to TYPE_USE locations

* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault

* Bug 390889 - [1.8][compiler] Evaluate options to support 1.7- projects against 1.8 JRE.

* Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables

* Bug 439516 - [1.8][null] NonNullByDefault wrongly applied to implicit type bound of binary type

* Bug 434602 - Possible error with inferred null annotations leading to contradictory null annotations

* Bug 440477 - [null] Infrastructure for feeding external annotations into compilation

* Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull

* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations

- * Bug 453475 - [1.8][null] Contradictory null annotations (4.5 M3 edition)
- * Bug 454182 - Internal compiler error when using
1.8 compliance for simple project
- * Bug 470467 - [null] Nullness of special Enum methods not detected from .class file
- * Bug 447661 - [1.8][null] Incorrect 'expression needs unchecked conversion' warning
- * Jesper Steen Moller - Contributions for
- * Bug 412150 [1.8] [compiler] Enable reflected parameter names during annotation processing
- * Bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable
- * Sebastian Zarnekow - Contributions for
- * bug 544921 - [performance] Poor performance with large source files
- * Alexander Lehmann - Contributions for
- * bug 566258 - Intermittent NPE in APT RoundDispatcher

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* Nick Teryaev - fix for bug (https://bugs.eclipse.org/bugs/show_bug.cgi?id=40752)

* Stephan Herrmann - Contributions for

* bug 319201 - [null] no warning when unboxing SimpleNameReference causes NPE

* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

* bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.

* bug

383368 - [compiler][null] syntactic null analysis for field references

* bug 401017 - [compiler][null] casted reference to @Nullable field lacks a warning

* bug 400761 - [compiler][null] null may be return as boolean without a diagnostic

* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations

* Bug 416307 - [1.8][compiler][null] subclass with type parameter substitution confuses null checking

* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)

* Bug 427438 - [1.8][compiler] NPE at

org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)

* Bug 430150 - [1.8][null] stricter checking against type variables

* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style

null annotations

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* Bug 407414 - [compiler][null] Incorrect warning on a primitive type being null
* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
* Bug 415541 - [1.8][compiler] Type annotations in the body of static initializer get dropped
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* bug 383368 - [compiler][null] syntactic null analysis for field references

* bug 403086 - [compiler][null] include the effect of 'assert' in syntactic null analysis for fields

* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking

* Bug

422796 - [compiler][null] boxed boolean reported as potentially null after null test in lazy disjunction

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* bug 403086 - [compiler][null] include the effect of 'assert' in syntactic null analysis for fields
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* bug 384380 - False positive on a "Potential null pointer access" after a continue

* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)

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*   IBM Corporation - fix for bug 342757
*   Stephan Herrmann - Contribution for bug 186342 - [compiler][null] Using annotations for null checking
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*       bug 365519 - editorial cleanup after bug 186342 and bug 365387
*       bug 358903 - Filter practically unimportant resource leak warnings
*       bug 365531 - [compiler][null] investigate alternative strategy for internally encoding nullness defaults
*       bug 388281 - [compiler][null] inheritance of null annotations as an option
*       bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.
*       bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types
*       bug 400421 - [compiler] Null analysis for fields does not take @com.google.inject.Inject into account
*       bug 382069 - [null] Make the null analysis consider JUnit's assertNotNull similarly to assertions
*       bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files
*       Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
*       Bug 415291 - [1.8][null] differentiate type incompatibilities due to null annotations
*       Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
*       Bug 416176 - [1.8][compiler][null] null type annotations cause grief on type variables
*       Bug
400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
*       Bug 423504 - [1.8] Implement "18.5.3 Functional Interface Parameterization Inference"
*       Bug 426792 - [1.8][inference][impl] generify new type inference engine
*       Bug 428019 - [1.8][compiler] Type inference failure with nested generic invocation.
*       Bug 427199 - [1.8][resource] avoid resource leak warnings on Streams that have no resource
*       Bug 418743 - [1.8][null] contradictory annotations on invocation of generic method not reported
*       Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
```

- * Bug 431581 - Eclipse compiles what it should not
- * Bug 440759 - [1.8][null] @NonNullByDefault should never affect wildcards and uses of a type variable
- * Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression
- * Bug 446442 - [1.8] merge null annotations from
super methods
- * Bug 456532 - [1.8][null] ReferenceBinding.appendNullAnnotation() includes phantom annotations in error
messages
- * Bug 410218 - Optional warning for arguments of "unexpected" types to Map#get(Object),
Collection#remove(Object) et al.
- * Jesper S Moller - Contributions for
- * bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression
- * bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable
- * bug 527554 - [1.8.3] Compiler support for JEP 286 Local-Variable Type
- * Ulrich Grave <ulrich.grave@gmx.de> - Contributions for
- * bug 386692 - Missing "unused" warning on "autowired" fields
- * Pierre-Yves B. <pyvesdev@gmail.com> - Contribution for
- * bug 542520 - [JUnit 5] Warning The method xxx from the type X is never used locally is shown
when using MethodSource
- * Sebastian Zarnekow - Contributions
for
- * bug 544921 - [performance] Poor performance with large source files

*****/

Found in path(s):

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ReferenceBinding.java

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* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for

* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's
work)

* Bug 409246 - [1.8][compiler] Type annotations on catch parameters not handled properly

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* Stephan Herrmann - contributions for

* bug 336428 - [compiler][null] bogus warning "redundant null check" in condition of do {} while() loop

* bug 186342 - [compiler][null] Using annotations for null checking

* bug 365519 - editorial cleanup after bug 186342 and bug 365387

* bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK

* bug 365859 - [compiler][null]

distinguish warnings based on flow analysis vs. null annotations

* bug 385626 - @NonNull fails across loop boundaries

* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

* bug 376263 - Bogus "Potential null pointer access" warning

* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking

* bug 406384 - Internal error with I20130413

* Bug 415413 - [compiler][null] NullPointerException in Null Analysis caused by interaction of LoopingFlowContext and FinallyFlowContext

* Bug 453483 - [compiler][null][loop] Improve null analysis for loops

* Bug 455557 - [jdt] NPE LoopingFlowContext.recordNullReference

* Bug 455723 - Nonnull argument not correctly inferred in loop

* Bug 415790 - [compiler][resource] Incorrect potential resource leak warning in for loop with close in try/catch

* Bug 421035 - [resource]

False alarm of resource leak warning when casting a closeable in its assignment

* Jesper S Moller - contributions for

* bug 404657 - [1.8][compiler] Analysis for effectively final variables fails to consider loops

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- * Stephan Herrmann - Contribution for
- * bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.
- * bug 331649 - [compiler][null] consider null annotations for fields
- * bug 400761 - [compiler][null] null may be return as boolean without a diagnostic
- * Bug 427438 - [1.8][compiler] NPE at
org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)
- * Bug 429403 - [1.8][null] null mismatch from type arguments is not reported at field initializer
- * Bug 453483 - [compiler][null][loop] Improve null analysis for loops
- * Bug 458396 - NPE in CodeStream.invoke()
- * Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
- * Bug 409250 - [1.8][compiler] Various loose ends in 308 code generation
- *****/

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- * Contributors:
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- * Stephan Herrmann - Contributions for
- * bug 358827 - [1.7] exception analysis for t-w-r spoils null analysis
- * bug 186342 - [compiler][null] Using annotations for null checking
- * bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK
- * bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations
- * bug 345305 - [compiler][null]
- Compiler misidentifies a case of "variable can only be null"
- * bug 383368 - [compiler][null] syntactic null analysis for field references
- * bug 402993 - [null] Follow up of bug 401088: Missing warning about redundant null check
- * bug 403086 - [compiler][null] include the effect of 'assert' in syntactic null analysis for fields
- * bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking

- * Bug 453483 - [compiler][null][loop] Improve null analysis for loops
- * Bug 455723 - Nonnull argument not correctly inferred in loop
- * Bug 415790 - [compiler][resource]Incorrect potential resource leak warning in for loop with close in try/catch
- * Bug 446691 - [1.8][null][compiler] NullPointerException in SingleNameReference.analyseCode

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* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for

* Bug 415397 - [1.8][compiler] Type Annotations on wildcard type argument dropped

* Stephan Herrmann - Contribution for

* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099

* Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.

* Bug 429958

- [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault

* Bug 440462 - [null][compiler]NPE in EJC for erroneous null annotations

* Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull

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* Kenneth Olson - initial API and implementation

* Dennis Hendriks - initial API and implementation

* IBM Corporation - Contribution for bug 188796

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/UsesStatement.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/PackageExportImpl.java

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*   Walter Harley - initial API and implementation
*   IBM Corporation - fix for 342598, 382590
*   Jean-Marie Henaff <jmhenaff@google.com> (Google) - Bug 481555
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*   Stephen Herrmann <stephan@cs.tu-berlin.de> - Contributions for
*       bug 133125 - [compiler][null] need to report the null status of expressions and analyze them simultaneously
*       bug 292478 - Report potentially null across variable assignment
*       bug 324178 - [null] ConditionalExpression.nullStatus(..) doesn't take into account the analysis of condition itself
*       bug 354554 - [null] conditional with redundant condition
*       yields weak error message
*       bug 349326 - [1.7] new warning for missing try-with-resources
*       bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
*       bug 383368 - [compiler][null] syntactic null analysis for field references
*       bug 400761 - [compiler][null] null may be return as boolean without a diagnostic

```


- * Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
- * Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
- * Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.
- * Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
- * Bug 426078 - [1.8] VerifyError when conditional expression passed as an argument
- * Bug 427438 - [1.8][compiler] NPE at
org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)
- * Bug 418537 - [1.8][null] Fix null type annotation analysis for poly conditional expressions
- * Bug 428352 - [1.8][compiler] Resolution errors don't always surface
- * Bug 407414 - [compiler][null] Incorrect warning on a primitive type being null

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- * Jesper Steen Moller - Bug 412150 [1.8] [compiler] Enable reflected parameter names during annotation processing

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- * /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/problem/messages.properties
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*       Bug 412149: [1.8][compiler] Emit repeated annotations into the designated container
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*       bug 319201 - [null] no warning when unboxing SimpleNameReference causes NPE
*       bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
*       bug 403086 - [compiler][null] include the effect of 'assert' in syntactic null analysis for fields
*       bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred
        checking
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*       bug 349326 - [1.7] new warning for missing try-with-resources
*       bug 186342 - [compiler][null] Using annotations for null checking
*       bug 370639 - [compiler][resource] restore the default for resource leak warnings
*       bug 265744 - Enum switch should warn about missing default
*       bug 374605 - Unreasonable warning for enum-based switch statements
*       bug 381443
*       - [compiler][null] Allow parameter widening from @NonNull to unannotated
*       Bug 441208 - [1.8][null] SuppressWarnings("null") does not suppress / marked Unnecessary
*       Bug 410218 - Optional warning for arguments of "unexpected" types to Map#get(Object),
Collection#remove(Object) et al.
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* Patrick Wienands <pwienands@abit.de> - Contribution for bug 393749

* Stephan Herrmann - Contribution for

* bug 331649 - [compiler][null] consider null annotations for fields

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* Contributors:
* wharley@bea.com - initial API and implementation
* IBM Corporation - Fix for bug 341494
* IBM Corporation - Fix for bug 328575
* IBM Corporation - Java 8 support
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* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for

* bug 185682 - Increment/decrement operators mark local variables as read

* bug 331649 - [compiler][null] consider null annotations for fields

* bug 383368 - [compiler][null] syntactic null analysis for field references

* Bug 412203 - [compiler] Internal compiler error: java.lang.IllegalArgumentException: info cannot be null

* Bug 400874 - [1.8][compiler]

Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)

* Bug 458396 - NPE in CodeStream.invoke()

* Jesper S Moller - Contributions for

* Bug 378674 - "The method can be declared as static" is wrong

* Robert Roth <robert.roth.off@gmail.com> - Contributions for

* Bug 361039 - NPE in FieldReference.optimizedBooleanConstant

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* Stephan Herrmann - Contribution for

* bug 400710 - [1.8][compiler] synthetic access to default method generates wrong code

* bug 391376 - [1.8] check interaction of default methods with bridge methods and generics

* bug 421543 - [1.8][compiler] Compiler fails to recognize default method being turned into abstract by subtype

* Jesper S Moller - Contributions for

* Bug 405066 - [1.8][compiler][codegen] Implement

code generation infrastructure for JSR335

* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for

* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)

* Bug 409247 - [1.8][compiler] Verify error with code allocating multidimensional array

* Bug 409236 - [1.8][compiler] Type annotations on intersection cast types dropped by code generator

* Bug 409250 - [1.8][compiler] Various loose ends in 308 code generation

* Bug 405104 - [1.8][compiler][codegen] Implement support for serializable lambdas

* Bug 449467 - [1.8][compiler] Invalid lambda deserialization with anonymous class

* Olivier Tardieu (tardieu@us.ibm.com) - Contributions for

* Bug 442418 - \$deserializeLambda\$ off-by-one error when deserializing the captured arguments of a lambda that also capture this

*****/

Found in path(s):

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/codegen/CodeStream.java

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* Contributors:
* Gauthier JACQUES - initial API and implementation
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/tool/EclipseCompilerRequestor.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/batch/BatchCompilerRequestor.java
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* IBM Corporation - initial API and implementation

* Stephan Herrmann - Contributions for

* bug 325755 - [compiler] wrong initialization state after conditional expression

* bug 320170 - [compiler][null] Whitebox issues in null analysis

* bug 292478 - Report potentially null across variable assignment

* bug 332637 - Dead Code detection removing code that isn't dead

* bug 341499 - [compiler][null] allocate extra bits in all methods of UnconditionalFlowInfo

* bug 349326 - [1.7] new warning for missing try-with-resources

* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

* bug 386181 - [compiler][null] wrong transition in UnconditionalFlowInfo.mergedWith()

* bug 394768 - [compiler][resource] Incorrect resource leak warning when creating stream in conditional

* Bug 453483 - [compiler][null][loop] Improve null analysis for loops

* Bug 454031 - [compiler][null][loop] bug in null analysis; wrong "dead code" detection

* Bug 421035 - [resource] False alarm of resource leak warning when casting a closeable in its assignment
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- * Stephan Herrmann - Contribution for
- * bug 331649 - [compiler][null] consider null annotations for fields
- * Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
- * Bug 426996 - [1.8][inference] try to avoid method Expression.unresolve()?
- * Jesper S Moller - Contributions for
- * bug 382721 - [1.8][compiler] Effectively final variables needs special treatment
- *****/

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- * Bug 458396 - NPE in CodeStream.invoke()

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 * Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for
 * bug 185682 - Increment/decrement operators mark local variables as read
 * bug 186342 - [compiler][null] Using annotations for null checking
 * bug 365519 - editorial cleanup after bug 186342 and bug 365387
 * bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK
 * bug 345305 - [compiler][null]
 * Compiler misidentifies a case of "variable can only be null"
 * Bug 414380 - [compiler][internal] QualifiedNameReference#indexOfFirstFieldBinding does not point to the first field
 * Bug 458396 - NPE in CodeStream.invoke()
 * Jesper S Moller - Contributions for
 * bug 382721 - [1.8][compiler] Effectively final variables needs special treatment
 * bug 331649 - [compiler][null] consider null annotations for fields
 * bug 383368 - [compiler][null] syntactic null analysis for field references
 * bug 402993 - [null] Follow up of bug 401088: Missing warning about redundant null check
 * Jesper S Moller <jesper@selskabet.org> - Contributions for
 * bug 378674 - "The method can be declared as static" is wrong
 *****/

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/QualifiedNameReference.java
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 * bug 365662 - [compiler][null] warn on contradictory and redundant null annotations
 * bug 401030 - [1.8][null] Null analysis support for lambda methods.

* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
*****/

Found

in path(s):

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/LocalTypeBinding.java

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* bug 186342 - [compiler][null] Using annotations for null checking

* bug 365519 - editorial cleanup after bug 186342 and bug 365387

* bug 388281 - [compiler][null] inheritance of null annotations as an option

* bug 388795 - [compiler] detection of name clash depends on order of super interfaces

* bug 388739 - [1.8][compiler] consider default methods when detecting whether

a class needs to be declared abstract

* bug 390883 - [1.8][compiler] Unable to override default method

* bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.

* bug 401246 - [1.8][compiler] abstract class method should now trump conflicting default methods

* bug 401796 - [1.8][compiler] don't treat default methods as overriding an independent inherited abstract method

* bug 403867 - [1.8][compiler] Suspect error about duplicate default methods

* bug 391376 - [1.8] check interaction of default methods with bridge methods and generics

* bug 395681 - [compiler] Improve simulation of javac6 behavior from bug 317719 after fixing bug 388795

* bug 409473 - [compiler] JDT cannot compile against JRE 1.8

* Bug 420080 - [1.8] Overridden Default method is reported as duplicated

* Bug 404690 - [1.8][compiler] revisit bridge generation after VM bug is fixed

* Bug 410325 - [1.7][compiler] Generified method override different between javac and eclipse compiler

* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault

* Bug 390889 - [1.8][compiler] Evaluate options to support 1.7- projects against 1.8 JRE.

* Bug 440773 - [1.8][null]DefaultLocation.RETURN_TYPE erroneously affects method parameters in

@NonNullByDefault

* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations

* Bug 446442 - [1.8] merge null annotations from super methods
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* bug 365519 - editorial cleanup after bug 186342 and bug 365387

* Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.

* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations

* Bug 435570 - [1.8][null] @NonNullByDefault

illegally tries to affect "throws E"

* Bug 438012 - [1.8][null] Bogus Warning: The nullness annotation is redundant with a default that applies to this location

* Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param

* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for

* Bug 409246 - [1.8][compiler] Type annotations on catch parameters not handled properly

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/Argument.java

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* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)

* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault

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* tyeung@bea.com - initial API and implementation

* olivier_thomann@ca.ibm.com - add hashCode() and equals(..) methods

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/ClassSignature.java

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* Stephan Herrmann - Contributions for

* bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files

* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099

* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for

* Bug 415543 - [1.8][compiler] Incorrect bound index in RuntimeInvisibleTypeAnnotations attribute

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/TypeParameter.java

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*   tyeung@bea.com - initial API and implementation
*   Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
*   Bug 407191 - [1.8] Binary access support for type annotations
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*   bug 407191 - [1.8] Binary access support for type annotations
*   Stephan Herrmann - Contribution for
*   Bug 440474 - [null] textual encoding of external null annotations
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*     Bug 365662 - [compiler][null] warn on contradictory and redundant null annotations
*     Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
*     Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
*   Keigo Imai - Contribution for bug 388903 - Cannot extend inner class as an anonymous class when it
    extends the outer class
*****/
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 *       Bug 429813 - [1.8][dom ast] IMethodBinding#getJavaElement() should return IMethod for lambda
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* Jesper S Moller - Contributions for

* Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335

* Bug 406982 - [1.8][compiler] Generation of MethodParameters Attribute in classfile

* Bug 416885 - [1.8][compiler] IncompatibleClassChange error (edit)

* Bug 412149 - [1.8][compiler] Emit repeated annotations into the designated container

* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com

- Contributions for

* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)

* Bug 409236 - [1.8][compiler] Type annotations on intersection cast types dropped by code generator

* Bug 409246 - [1.8][compiler] Type annotations on catch parameters not handled properly

* Bug 415541 - [1.8][compiler] Type annotations in the body of static initializer get dropped

* Bug 415399 - [1.8][compiler] Type annotations on constructor results dropped by the code generator

* Bug 415470 - [1.8][compiler] Type annotations on class declaration go vanishing

* Bug 405104 - [1.8][compiler][codegen] Implement support for serializable lambdas

* Bug 434556 - Broken class file generated for incorrect annotation usage

* Bug 442416

- \$deserializeLambda\$ missing cases for nested lambdas

* Stephan Herrmann - Contribution for

* Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables

* Olivier Tardieu tardieu@us.ibm.com - Contributions for

* Bug 442416 - \$deserializeLambda\$ missing cases for nested lambdas

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* Stephan Herrmann - Contributions for

* bug 236385 - [compiler] Warn for potential programming problem if an object is created but not used

* bug 319201 - [null] no warning when unboxing SingleNameReference causes NPE

* bug 349326 - [1.7] new warning for missing try-with-resources

* bug 186342 - [compiler][null] Using annotations for null checking

* bug 358903 - Filter practically unimportant resource

leak warnings

* bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK

* bug 370639 - [compiler][resource] restore the default for resource leak warnings

* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

* bug 388996 - [compiler][resource] Incorrect 'potential resource leak'

* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking

- * Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
- * Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.
- * Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
- * Bug 424727 - [compiler][null] NullPointerException in
nullAnnotationUnsupportedLocation(ProblemReporter.java:5708)
- * Bug 424710
- [1.8][compiler] CCE in SingleNameReference.localVariableBinding
- * Bug 425152 - [1.8] [compiler] Lambda Expression not resolved but flow analyzed leading to NPE.
- * Bug 424205 - [1.8] Cannot infer type for diamond type with lambda on method invocation
- * Bug 424415 - [1.8][compiler] Eventual resolution of ReferenceExpression is not seen to be happening.
- * Bug 426366 - [1.8][compiler] Type inference doesn't handle multiple candidate target types in outer overload
context
- * Bug 426290 - [1.8][compiler] Inference + overloading => wrong method resolution ?
- * Bug 426764 - [1.8] Presence of conditional expression as method argument confuses compiler
- * Bug 424930 - [1.8][compiler] Regression: "Cannot infer type arguments" error from compiler.
- * Bug 427483 - [Java 8] Variables in lambdas sometimes can't be resolved
- * Bug 427438 - [1.8][compiler] NPE at
org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)
- * Bug 426996 - [1.8][inference] try to avoid method Expression.unresolve()?
- * Bug 428352 - [1.8][compiler] Resolution errors don't always surface
- * Bug 429203 - [1.8][compiler] NPE in AllocationExpression.binding
- * Bug 429430 - [1.8] Lambdas and method reference infer wrong exception type with generics (RuntimeException
instead of IOException)
- * Bug 434297 - [1.8] NPE in LamdaExpression.analyseCode with lamda expression nested in a conditional
expression
- * Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression
- * Bug 448709 - [1.8][null] ensure we don't infer types that violate null constraints on a type parameter's bound
- * Jesper S Moller <jesper@selskabet.org> - Contributions for
- * bug 378674 - "The method can be declared as static" is wrong
- * Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
- * Bug 383624 - [1.8][compiler] Revive
code generation support for type annotations (from Olivier's work)
- * Bug 409245 - [1.8][compiler] Type annotations dropped when call is routed through a synthetic
bridge method
- * Till Brychcy - Contributions for
- * bug 413460 - NonNullByDefault is not inherited to Constructors when accessed via Class File
- * Lars Vogel <Lars.Vogel@vogella.com> - Contributions for
- * Bug 473178

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- * bug 319201 - [null] no warning when unboxing SingleNameReference causes NPE
- * bug 349326 - [1.7] new warning for missing try-with-resources
- * bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
- * bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking
- * Bug 415790
- [compiler][resource]Incorrect potential resource leak warning in for loop with close in try/catch

*****/

Found in path(s):

- * /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/WhileStatement.java
- * /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ForStatement.java

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- *
- * Contributors:
- * tyeung@bea.com - initial API and implementation
- * olivier_thomann@ca.ibm.com - add hashCode() and equals(..) methods

*****/

Found in path(s):

- * /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/classfmt/ElementValuePairInfo.java
- * /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/classfmt/AnnotationInfo.java

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*   Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
*   Bug 407191 - [1.8] Binary access support for type annotations
*****/

```

Found in path(s):

```

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/IBinaryField.java
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* Contributors:
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*   Stephan Herrmann - Contribution for
*   bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types
*   bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.
*   bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files
*   Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
*   Bug
415291 - [1.8][null] differentiate type incompatibilities due to null annotations
*   Bug 415850 - [1.8] Ensure RunJDTCoreTests can cope with null annotations enabled
*   Bug 416176 - [1.8][compiler][null] null type annotations cause grief on type variables
*   Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.
*   Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
*   Bug 425460 - [1.8] [inference] Type not inferred on stream.toArray
*   Bug 426792 - [1.8][inference][impl] generify new type inference engine
*   Bug 428019 - [1.8][compiler] Type inference failure with nested generic invocation.
*   Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables
*   Bug 440759 - [1.8][null] @NonNullByDefault should never affect wildcards and uses of a type variable
*   Bug 441693 -
[1.8][null] Bogus warning for type argument annotated with @NonNull
*   Jesper S Møller - Contributions for bug 381345 : [1.8] Take care of the Java 8 major version
*   Bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type
*****/

```

Found in path(s):

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ArrayBinding.java

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* bug 319201 - [null] no warning when unboxing SingleNameReference causes NPE

* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking

* Bug 417758 - [1.8][null] Null safety compromise during array creation.

* Bug

427163 - [1.8][null] bogus error "Contradictory null specification" on varargs

* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for

* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)

* Bug 409247 - [1.8][compiler] Verify error with code allocating multidimensional array

*****/

Found in path(s):

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ArrayAllocationExpression.java

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* Bug 432977 - [1.8][null] Incorrect 'type is not visible' compiler error
* Bug 446434 - [1.8][null] Enable interned captures also when analysing null type annotations
*****/

/* Taking the binding of QTR as an example, there could be different annotatable components, but we come in a
with a single binding, e.g:

@T Z;                type => Z annotations => [[@T]]
  @T Y.@T Z          type => Z annotations => [[@T][@T]]
  @T X.@T Y.@T Z     type => Z annotations => [[@T][@T][@T]]
  java.lang.@T X.@T Y.@T Z     type => Z annotations => [[[]][@T][@T][@T]]
  in all these cases the incoming type binding is for Z, but annotations are for different levels. We need to align their
  layout for proper attribution.
*/

```

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/AnnotatableTypeSystem.java
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*     bug 349326 - [1.7] new warning for missing try-with-resources
*     bug 359362 - FUP of bug 349326: Resource leak on non-Closeable resource
*     bug 186342 - [compiler][null] Using annotations for null checking
*     bug 358903 - Filter practically unimportant resource leak warnings
*     bug 400421 - [compiler] Null analysis for fields does not take @com.google.inject.Inject
into account
*     bug 382069 - [null] Make the null analysis consider JUnit's assertNotNull similarly to assertions
*     Bug 410218 - Optional warning for arguments of "unexpected" types to Map#get(Object),
Collection#remove(Object) et al.
*     Jesper S Moller <jesper@selskabet.org> - Contributions for
*     Bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable
*     Ulrich Grave <ulrich.grave@gmx.de> - Contributions for
*       bug 386692 - Missing "unused" warning on "autowired" fields
*     Pierre-Yves B. <pyvesdev@gmail.com> - Contribution for
*       bug 542520 - [JUnit 5] Warning The method xxx from the type X is never used locally is shown
when using MethodSource
*****/

```


Found in path(s):

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/TypeIds.java

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*   Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for
*     bug 185682 - Increment/decrement operators mark local variables as read
*     bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types
*     bug 331649 - [compiler][null] consider null annotations for fields
*     bug 383368 - [compiler][null] syntactic null analysis for field references
*     bug 392384 - [1.8][compiler][null] Restore nullness
*     info from type annotations in class files
*     Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
*     Bug 411964 - [1.8][null] leverage null type annotation in foreach statement
*     Bug 407414 - [compiler][null] Incorrect warning on a primitive type being null
*****/
```

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/Reference.java

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*   Jesper S Moller - Contributions for
*     bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression
*   Stephan Herrmann - Contribution for
*****/
```

- * bug 404649 - [1.8][compiler] detect illegal reference to indirect or redundant super
- * Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
- * Bug 416182 - [1.8][compiler][null]

Contradictory null annotations not rejected

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* Jesper Steen Moeller - Contributions for:

* Bug 407297: [1.8][compiler] Control generation of parameter names by option

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ClassFilePool.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/apt/dispatch/BatchAnnotationProcessorManager.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/apt/model/ElementImpl.java
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*   Stephan Herrmann - Contributions for
*     bug 332637 - Dead Code detection removing code that isn't dead
*     bug 391517 - java.lang.VerifyError on code that runs correctly in Eclipse 3.7 and eclipse 3.6
*     bug 394768 - [compiler][resource] Incorrect resource leak warning when creating stream in conditional
*****/

```

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/flow/ConditionalFlowInfo.java
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* Frits Jalvingh - fix for bug 533830.

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* Stephan Herrmann - Contributions for

* Bug 360328 - [compiler][null] detect null problems in nested code (local class inside a loop)

* Bug 388630 - @NonNull diagnostics at line 0

* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

* Bug 416176 - [1.8][compiler][null] null type annotations cause grief on type variables

* Bug 424727 - [compiler][null] NullPointerException

in nullAnnotationUnsupportedLocation(ProblemReporter.java:5708)

* Bug 457210 - [1.8][compiler][null] Wrong Nullness errors given on full build build but not on incremental build?

* Keigo Imai - Contribution for bug 388903 - Cannot extend inner class as an anonymous class when it extends the outer class

* Pierre-Yves B. <pyvesdev@gmail.com> - Contributions for

* Bug 542520 - [JUnit 5] Warning The method xxx from the type X is never used locally is shown when using MethodSource

* Bug 546084 - Using Junit 5s MethodSource leads to ClassCastException

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/TypeDeclaration.java

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredUnit.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/batch/ClasspathLocation.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/ICompilationUnit.java

*

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredField.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/CompilationResult.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredElement.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ClassLiteralAccess.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/INameEnvironment.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/NameEnvironmentAnswer.java

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* IBM Corporation - Fix for bug 328575

* het@google.com - Bug 415274 - Annotation processing throws a NPE in getElementsAnnotatedWith()

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Found in path(s):

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*     Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ArrayQualifiedTypeReference.java
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*     bug 382350 - [1.8][compiler] Unable to invoke inherited default method via I.super.m() syntax
*     bug 404649 - [1.8][compiler] detect illegal reference to indirect or redundant super
*     bug 404728 - [1.8]NPE on QualifiedSuperReference error
*****/

```

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/QualifiedSuperReference.java
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* IBM Corporation - fix for 342470
* IBM Corporation - fix for 342598
* IBM Corporation - Java 8 support
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* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/ISourceField.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/IBinaryNestedType.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/IGenericMethod.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/ISourceMethod.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/IGenericType.java
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/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/IGenericField.java

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/codegen/StackMapFrameCodeStream.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/apt/util/EclipseFileManager.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/tool/EclipseFileManager.java

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* Stephan Herrmann - Contribution for

* bug 331649 - [compiler][null] consider null annotations for fields

* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

* Bug 458396 - NPE in CodeStream.invoke()

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Found in path(s):

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/VariableBinding.java

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*   IBM Corporation - fix for 342936
*   Kenneth Olson - Contribution for bug 188796 - [jsr199] Using JSR199 to extend ECJ
*   Dennis Hendriks - Contribution for bug 188796 - [jsr199] Using JSR199 to extend ECJ
*   Frits Jalvingh - fix for bug 533830.
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*                       (originally in org.eclipse.jdt.apt.core)
*   IBM Corporation - Bug 513790
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/apt/util/ManyToMany.java
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* Contributors:
*   wharley@bea.com - initial API and implementation
*   IBM Corporation - fix for 342598
*   IBM Corporation - Java 8 support
*   het@google.com - Bug 427943 - The method
org.eclipse.jdt.internal.compiler.apt.model.Factory.getPrimitiveType does not throw IllegalArgumentException
```

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* Jesper S Moller - Contributions for

* bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression

* bug 382721 - [1.8][compiler] Effectively final variables needs special treatment

* Bug 416885 - [1.8][compiler]IncompatibleClassChange error (edit)

* Stephan Herrmann - Contribution for

* bug 401030 - [1.8][null] Null analysis support for lambda methods.

* Bug 392099

- [1.8][compiler][null] Apply null annotation on types for null analysis

* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations

* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)

* Bug 423504 - [1.8] Implement "18.5.3 Functional Interface Parameterization Inference"

* Bug 425142 - [1.8][compiler] NPE in ConstraintTypeFormula.reduceSubType

* Bug 425153 - [1.8] Having wildcard allows incompatible types in a lambda expression

* Bug 424205 - [1.8] Cannot infer type for diamond type with lambda on method invocation

* Bug 425798 - [1.8][compiler] Another NPE in ConstraintTypeFormula.reduceSubType

* Bug 425156 - [1.8] Lambda as an argument is flagged with incompatible error

* Bug 424403 - [1.8][compiler] Generic method call with method reference argument fails to resolve properly.

* Bug 426563 - [1.8] AIOOBE when method with error

invoked with lambda expression as argument

* Bug 420525 - [1.8] [compiler] Incorrect error "The type Integer does not define sum(Object, Object) that is applicable here"

* Bug 427438 - [1.8][compiler] NPE at

org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)

* Bug 428294 - [1.8][compiler] Type mismatch: cannot convert from List<Object> to Collection<Object[]>

* Bug 428786 - [1.8][compiler] Inference needs to compute the "ground target type" when reducing a lambda compatibility constraint

* Bug 428980 - [1.8][null] simple expression as lambda body doesn't leverage null annotation on argument

* Bug 429430 - [1.8] Lambdas and method reference infer wrong exception type with generics (RuntimeException instead of IOException)

* Bug 432110 - [1.8][compiler] nested lambda type incorrectly inferred vs javac

- * Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables
- * Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull
- * Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression
- * Bug 453483 - [compiler][null][loop] Improve null analysis for loops
- * Bug 455723 - Nonnull argument not correctly inferred in loop
- * Bug 463728 - [1.8][compiler][inference] Ternary operator in lambda derives wrong type
- * Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
- * Bug 405104 - [1.8][compiler][codegen] Implement support for serializeable lambdas

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/BranchStatement.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/classfmt/ClassFormatException.java
*
/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredStatement.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/core/compiler/CategorizedProblem.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/ParserBasicInformation.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/HashtableOfPackage.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ProblemPackageBinding.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/diagnose/DiagnoseParser.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/ConflictedParser.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/JavadocMessageSend.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/QualifiedTypeReference.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/TerminalTokens.java
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*     bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
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* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contribution for bug 185682 - Increment/decrement operators mark local variables as read

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jar/org/eclipse/jdt/internal/compiler/classfmt/AnnotationMethodInfoWithTypeAnnotations.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/flow/FieldInitsFakingFlowContext.java

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* Stephan Herrmann - Contributions for

* bug 186342 - [compiler][null] Using annotations for null checking

* bug 365662 - [compiler][null] warn on contradictory and redundant null annotations

* bug 331649 - [compiler][null] consider null annotations for fields

* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

* Bug 415043 - [1.8][null] Follow-up re null type annotations

after bug 392099

* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations

* Bug 415850 - [1.8] Ensure RunJDTCoreTests can cope with null annotations enabled

* Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.

* Bug 424728 - [1.8][null] Unexpected error: The nullness annotation 'XXXX' is not applicable at this location

* Bug 392245 - [1.8][compiler][null] Define whether / how @NonNullByDefault applies to TYPE_USE locations

* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault

* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations

* Bug 457210 - [1.8][compiler][null] Wrong Nullness errors given on full build build but not on incremental build?

* Bug 469584 - ClassCastException in Annotation.detectStandardAnnotation (320)

* Andy Clement (GoPivotal,

Inc) aclement@gopivotal.com - Contributions for

* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)

* Bug 409517 - [1.8][compiler] Type annotation problems on more elaborate array references

* Bug 415397 - [1.8][compiler] Type Annotations on wildcard type argument dropped

* Bug 414384 - [1.8] type annotation on abbreviated inner class is not marked as inner type

* Jesper S Moller <jesper@selskabet.org> - Contributions for

* Bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable

* Bug 412151 - [1.8][compiler] Check repeating annotation's collection type

* Bug 412149 - [1.8][compiler] Emit repeated annotations into the designated container

* Bug 419209 - [1.8] Repeating container annotations

should be rejected in the presence of annotation it contains

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/HashSetOfInt.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/codegen/BranchLabel.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/codegen/VerificationTypeInfo.java

*

/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/core/compiler/InvalidInputException.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/ObjectVector.java

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* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

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*   Stephan Herrmann - Contribution for
*     Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
*     Bug 429384 - [1.8][null] implement conformance rules for null-annotated lower / upper type bounds
*     Bug 441797 - [1.8] synchronize type annotations on capture and its wildcard
*     Bug 456497 - [1.8][null] during inference nullness from target type is lost against weaker
    hint from applicability analysis
*     Bug 456924 - StackOverflowError during compilation
*     Bug 462790 - [null] NPE in Expression.computeConversion()
*   Jesper S Møller - Contributions for bug 381345 : [1.8] Take care of the Java 8 major version
*     Bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type
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*     bug 365531 - [compiler][null] investigate alternative strategy for internally encoding nullness defaults
*     Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
*     Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
*   Jesper Steen Moller - Contributions for
*     Bug 412150 [1.8] [compiler]

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Enable reflected parameter names during annotation processing

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* Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335

* Bug 406982 - [1.8][compiler] Generation of MethodParameters Attribute in classfile

* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for

* Bug 405104 - [1.8][compiler][codegen] Implement support for serializable lambdas

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/SplitPackageBinding.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/BinaryModuleBinding.java

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*   Bug 407191 - [1.8] Binary access support for type annotations
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/IBinaryTypeAnnotation.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/classfmt/FieldInfoWithTypeAnnotation.java
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*   IBM Corporation - initial API and implementation
*   Luiz-Otavio Zorzella <zorzella at gmail dot com> - Improve CamelCase algorithm
*   Gábor Kövesdán - Contribution for Bug 350000 - [content assist] Include non-prefix matches in auto-complete
suggestions
*   Stefan Xenos <sxenos@gmail.com> (Google) - Bug 501283 - Lots of hash collisions during indexing
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* bug 186342 - [compiler][null] Using annotations for null checking

* bug 365519 - editorial cleanup after bug 186342 and bug 365387

* Bug 434570 - Generic type mismatch for parametrized class annotation attribute with inner class

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* Stephan Herrmann - Contributions for

* bug 186342 - [compiler][null] Using annotations for null checking

* bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

- * bug 388281 - [compiler][null] inheritance of null annotations as an option
- * Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099

*****/

Found

in path(s):

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/TagBits.java

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* bug 319201 - [null] no warning when unboxing SingleNameReference causes NPE

* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking

* Bug 415790 - [compiler][resource]Incorrect potential resource leak warning in for loop with close in try/catch

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*   Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for
*       bug 185682 - Increment/decrement operators mark local variables as read
*       bug 349326 - [1.7] new warning for missing try-with-resources
*   bug 186342 - [compiler][null] Using annotations for null checking
*   bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations
*   bug 331649 - [compiler][null] consider
    null annotations for fields
*   Bug 466308 - [hovering] Javadoc header for parameter is wrong with annotation-based null analysis
*   Jesper S Møller <jesper@selskabet.org> - Contributions for
*   Bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type
*
*****/
```

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/LocalVariableBinding.java

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*   Jesper S Moller - Bug 392671
*   NPE with a method with explicit this and a following incomplete parameter
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/ShortConstant.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/BooleanConstant.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/JavadocArgumentExpression.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/DoubleConstant.java
*
```

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  /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/CharConstant.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/StringConstant.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/ByteConstant.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/IntConstant.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/FloatConstant.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/LongConstant.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/Constant.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/HashtableOfObject.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/AccessRuleSet.java
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*   Perry James - nullStatus method improvement (165346)
*   Stephan Herrmann - Contribution for
*       bug 383368 - [compiler][null] syntactic null analysis for field references
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/OperatorExpression.java

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*       bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
*       bug 383368 - [compiler][null] syntactic null analysis for field references
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/BinaryExpression.java

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* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for

* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)

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*   Jesper S Moller - Contributions for
*   Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335
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 * bug 319201 - [null] no warning when unboxing SimpleNameReference causes NPE
 * bug 349326 - [1.7] new warning for missing try-with-resources
 * bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
 * bug 383368 - [compiler][null] syntactic null analysis for field references
 * bug 403147 - [compiler][null] FUP of bug 400761:
 consolidate interaction between unboxing, NPE, and deferred checking
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* bug 349326 - [1.7] new warning for missing try-with-resources

* bug 358903 - Filter practically unimportant resource leak warnings

* bug 381445 - [compiler][resource] Can the resource leak check be made aware of Closeables.closeQuietly?

* bug 400421 - [compiler] Null analysis for fields does not take @com.google.inject.Inject into account

* bug 382069 - [null] Make

the null analysis consider JUnit's assertNotNull similarly to assertions

* Bug 405569 - Resource leak check false positive when using DbUtils.closeQuietly

* Bug 427199 - [1.8][resource] avoid resource leak warnings on Streams that have no resource

* Bug 425183 - [1.8][inference] make CaptureBinding18 safe

* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault

* Bug 410218 - Optional warning for arguments of "unexpected" types to Map#get(Object),
 Collection#remove(Object) et al.

* Jesper S Moller - Contributions for

* Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335

* Bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable

* bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type

* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for

* Bug 405104 - [1.8][compiler][codegen]

Implement support for serializable lambdas

- * Ulrich Grave <ulrich.grave@gmx.de> - Contributions for
- * bug 386692 - Missing "unused" warning on "autowired" fields
- * Pierre-Yves B. <pyvesdev@gmail.com> - Contribution for
- * bug 542520 - [JUnit 5] Warning The method xxx from the type X is never used locally is shown when using MethodSource

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* Stephan Herrmann - Contributions for

* bug 319201 - [null] no warning when unboxing SingleNameReference causes NPE

* bug 349326 - [1.7] new warning for missing try-with-resources

* bug 360328 - [compiler][null] detect null problems in nested code (local class inside a loop)

* bug 186342 - [compiler][null] Using annotations for null checking

* bug 365835 - [compiler][null] inconsistent error reporting.

* bug 365519 - editorial cleanup after bug 186342 and bug 365387

* bug 358903 - Filter practically unimportant resource leak warnings

* bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK

* bug 370639 - [compiler][resource] restore the default for resource leak warnings

* bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations

* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

* bug 388996 - [compiler][resource] Incorrect 'potential resource leak'

* bug 394768 - [compiler][resource] Incorrect resource leak warning when creating stream in conditional

* bug 383368 - [compiler][null] syntactic null analysis for field references

* bug 400761 - [compiler][null] null may be return as boolean without a diagnostic

* bug 401030 - [1.8][null] Null analysis support for lambda

methods.

* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099

* Bug 416307 - [1.8][compiler][null] subclass with type parameter substitution confuses null checking

* Bug 417758 - [1.8][null] Null safety compromise during array creation.

* Bug 427438 - [1.8][compiler] NPE at

org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)

- * Bug 430150 - [1.8][null] stricter checking against type variables
- * Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
- * Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression
- * Bug 453483 - [compiler][null][loop] Improve null analysis for loops
- * Bug 455723 - Nonnull argument not correctly inferred in loop
- * Jesper S Moller - Contributions

for

- * bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression

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- * bug 337868 - [compiler][model] incomplete support for package-info.java when using SearchableEnvironment
- * bug 186342 - [compiler][null] Using annotations for null checking

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/batch/ClasspathJmod.java
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/HashtableOfInteger.java
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```

Found in path(s):

```

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/CompactConstructorDeclaration.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/TextBlock.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/classfmt/ComponentInfoWithTypeAnnotation.java

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*   Frits Jalvingh - fix for bug 533830.
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/tool/EclipseCompiler.java

```

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*   Stephan Herrmann - Contributions for
*   Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression
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`/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/IPolyExpression.java`

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* Stephan Herrmann - contributions for

* bug 337868 - [compiler][model] incomplete support for package-info.java when using SearchableEnvironment

* bug 186342 - [compiler][null] Using annotations for null checking

* bug 365531 - [compiler][null] investigate alternative strategy for internally encoding nullness defaults

* bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

* bug

392862 - [1.8][compiler][null] Evaluate null annotations on array types

* bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files

* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

* Bug 415291 - [1.8][null] differentiate type incompatibilities due to null annotations

* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations

* Bug 415850 - [1.8] Ensure RunJDTCoreTests can cope with null annotations enabled

* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099

* Bug 416183 - [1.8][compiler][null] Overload resolution fails with null annotations

* Bug 416307 - [1.8][compiler][null] subclass with type parameter substitution confuses null checking

* Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.

* Bug 416190 - [1.8][null]

detect incompatible overrides due to null type annotations

* Bug 424624 - [1.8][null] if a static-object with annotation @NonNull is used, a warning is shown

* Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables

* Bug 439516 - [1.8][null] NonNullByDefault wrongly applied to implicit type bound of binary type

* Bug 434602 - Possible error with inferred null annotations leading to contradictory null annotations

* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations

* Bug 453475 - [1.8][null] Contradictory null annotations (4.5 M3 edition)

* Bug 457079 - Regression: type inference
* Bug 440477 - [null] Infrastructure for feeding external annotations into compilation
* Bug 455180 - IllegalStateException in AnnotatableTypeSystem.getRawType
* Bug 470467 - [null] Nullness of special Enum methods not detected from .class file
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* wharley@bea.com - initial API and implementation
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 * Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for
 * bug 319201 - [null] no warning when unboxing SimpleNameReference causes NPE
 * bug 292478 - Report potentially null across variable assignment
 * bug 335093 - [compiler][null] minimal hook for future null annotation support
 * bug 349326 - [1.7] new warning for missing try-with-resources
 * bug 186342 - [compiler][null] Using annotations for null checking
 * bug 358903 - Filter practically unimportant resource leak warnings
 * bug 370639 - [compiler][resource] restore the default for resource leak warnings
 * bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations
 * bug 388996 - [compiler][resource] Incorrect 'potential resource leak'
 * bug 394768 - [compiler][resource] Incorrect resource leak warning when creating stream in conditional
 * bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.
 * bug 383368 - [compiler][null] syntactic null analysis for field references
 * bug 400761 - [compiler][null] null may be return as boolean without a diagnostic
 * Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
 * Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
 * Bug 427438 - [1.8][compiler] NPE at
 org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)
 * Bug 430150 - [1.8][null] stricter checking against type variables
 * Bug 453483 - [compiler][null][loop] Improve null analysis for loops
 * Jesper S Moller - Contributions for
 * Bug 378674 - "The method can be declared as static" is wrong
 * Bug 527554 - [1.8.3] Compiler support for JEP 286 Local-Variable Type
 * Bug 529556 - [1.8.3] Add content assist support for 'var' as a type
 * Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
 * Bug 409250 - [1.8][compiler] Various loose ends in 308 code generation
 * Bug 426616 - [1.8][compiler] Type Annotations, multiple problems
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- * wharley@bea.com - initial API and implementation
- * IBM Corporation - fix for 342598
- * IBM Corporation - Java 8 support

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- * IBM Corporation - Bug fixes

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- * Nikolay Metchev (nikolaymetchev@gmail.com) - Contributions for

* bug 411098 - [compiler][resource] Invalid Resource Leak Warning using ternary operator inside try-with-resource

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* Genady Beriozkin - added support for reporting assignment with no effect

* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for

* bug 319201 - [null] no warning when unboxing SimpleNameReference causes NPE

* bug 292478 - Report potentially null across variable assignment

* bug 335093 - [compiler][null] minimal hook for future null annotation support

* bug 349326 - [1.7] new warning for missing

try-with-resources

* bug 186342 - [compiler][null] Using annotations for null checking

* bug 358903 - Filter practically unimportant resource leak warnings

* bug 370639 - [compiler][resource] restore the default for resource leak warnings

* bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations

* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

* bug 388996 - [compiler][resource] Incorrect 'potential resource leak'

* bug 394768 - [compiler][resource] Incorrect resource leak warning when creating stream in conditional

* bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.

* bug 331649 - [compiler][null] consider null annotations for fields

* bug 383368 - [compiler][null] syntactic null analysis for field references

* bug 402993 - [null] Follow up of bug 401088: Missing

warning about redundant null check

* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking

* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

* Bug 427438 - [1.8][compiler] NPE at

org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)

* Bug 453483 - [compiler][null][loop] Improve null analysis for loops

* Bug 407414 - [compiler][null] Incorrect warning on a primitive type being null

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/Assignment.java

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* bug 328281 - visibility leaks not detected when analyzing unused field in private class

* bug 382353 - [1.8][compiler] Implementation property modifiers should be accepted on default methods.

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ExtraCompilerModifiers.java

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 * Bug 440477 - [null] Infrastructure for feeding external annotations into compilation
 * Bug 440687 - [compiler][batch][null] improve command line option for external annotations
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 * Stephan Herrmann - Contributions for
 * bug 186342 - [compiler][null] Using annotations for null checking
 * bug 367203 - [compiler][null] detect assigning null to nonnull argument
 * bug 365519 - editorial cleanup after bug 186342 and bug 365387
 * bug 365662 - [compiler][null] warn on contradictory and redundant null annotations
 * bug 365531 - [compiler][null] investigate alternative strategy for internally
 encoding nullness defaults
 * bug 388281 - [compiler][null] inheritance of null annotations as an option
 * Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
 * Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.
 * Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
 * Bug 425152 - [1.8] [compiler] Lambda Expression not resolved but flow analyzed leading to NPE.
 * Bug 423505 - [1.8] Implement "18.5.4 More Specific Method Inference"
 * Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
 * Bug 438012 - [1.8][null] Bogus Warning: The nullness annotation is redundant with a default that applies to this
 location
 * Bug 440759 - [1.8][null] @NonNullByDefault should never affect wildcards and uses of a type variable
 * Bug 443347 - [1.8][null]

@NonNullByDefault should not affect constructor arguments of an anonymous instantiation

- * Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
- * Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param
- * Bug 456584 - [1.8][null] Bogus warning for return type variable's @NonNull annotation being 'redundant'
- * Bug 471611 - Error on hover on call to generic method with null annotation
- * Jesper Steen Moller - Contributions for
- * Bug 412150 [1.8] [compiler] Enable reflected parameter names during annotation processing

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* Bug 467482 - TYPE_USE null annotations: Incorrect "Redundant null check"-warning

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* Stephan Herrmann - Contribution for bug 186342 - [compiler][null] Using annotations for null checking
* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
* Bug 407191 - [1.8] Binary access support for type annotations

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* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/JavadocQualifiedTypeReference.java

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* Benjamin Muskalla - Contribution for bug 239066

- * Stephan Herrmann - Contribution for
- * bug 382347 - [1.8][compiler] Compiler accepts incorrect default method inheritance
- * bug 388954 - [1.8][compiler] detect default methods in class files
- * bug 388281 - [compiler][null] inheritance of null annotations as an option
- * bug 388739 - [1.8][compiler] consider default methods when detecting whether a class needs to be declared abstract
- * bug 390883 - [1.8][compiler] Unable to override default method
- * bug 401796 - [1.8][compiler] don't treat default methods as overriding an independent inherited abstract method
- * bug 395681 - [compiler] Improve simulation of javac6 behavior from bug 317719 after fixing bug 388795
- * bug 406928 - computation of inherited methods seems damaged (affecting @Overrides)
- * bug 409473 - [compiler] JDT cannot compile against JRE 1.8
- * Bug 420080 - [1.8] Overridden Default method is reported as duplicated

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* bug 349326 - [1.7] new warning for missing try-with-resources

* bug 186342 - [compiler][null] Using annotations for null checking

* bug 365983 - [compiler][null] AIOOB with null annotation analysis and varargs

* bug 368546 - [compiler][resource] Avoid remaining false positives found when

compiling the Eclipse SDK

* bug 370930 - NonNull annotation not considered for enhanced for loops

* bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations

* bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types

* bug 331649 - [compiler][null] consider null annotations for fields

* bug 383368 - [compiler][null] syntactic null analysis for field references

* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099

* Bug 415291 - [1.8][null] differentiate type incompatibilities due to null annotations

* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations

* Bug 416307 - [1.8][compiler][null] subclass with type parameter substitution confuses null checking

* Bug 417758 - [1.8][null] Null safety compromise

during array creation.

- * Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
- * Bug 424415 - [1.8][compiler] Eventual resolution of ReferenceExpression is not seen to be happening.
- * Bug 418537 - [1.8][null] Fix null type annotation analysis for poly conditional expressions
- * Bug 428352 - [1.8][compiler] Resolution errors don't always surface
- * Bug 429430 - [1.8] Lambdas and method reference infer wrong exception type with generics (RuntimeException instead of IOException)
- * Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
- * Bug 453483 - [compiler][null][loop] Improve null analysis for loops
- * Bug 455723 - Nonnull argument not correctly inferred in loop
- * Andy Clement - Contributions for
 - * Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)
 - * Bug 409250 - [1.8][compiler] Various loose ends in 308 code generation

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/SortedCompoundNameVector.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/SortedSimpleNameVector.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/SortedCharArrays.java

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/ManifestAnalyzer.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredLocalVariable.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/problem/DefaultProblemFactory.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/Receiver.java

*

/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/CompilerStats.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/flow/InsideSubRoutineFlowContext.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/core/JDTCompilerAdapter.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/ReferenceContext.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/IErrorHandlingPolicy.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/GenericXMLWriter.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/DefaultErrorHandlingPolicies.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/UnresolvedAnnotationBinding.java

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/CaptureBinding18.java

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* Tom Tromey - Contribution for bug 125961

* Tom Tromey - Contribution for bug 159641

* Benjamin Muskalla - Contribution for bug 239066

* Stephan Herrmann - Contributions for

* bug 236385 - [compiler] Warn for potential programming problem if an object is created but not used

* bug 295551 - Add option to automatically promote all warnings to errors

* bug 359721 - [options] add command line option

for new warning token "resource"

* bug 365208 - [compiler][batch] command line options for annotation based null analysis

* bug 374605 - Unreasonable warning for enum-based switch statements

* bug 375366 - ECJ ignores unusedParameterIncludeDocCommentReference unless enableJavadoc option is set

* bug 388281 - [compiler][null] inheritance of null annotations as an option

* bug 381443 - [compiler][null] Allow parameter widening from @NonNull to unannotated

* Bug 440477 - [null] Infrastructure for feeding external annotations into compilation

* Bug 440687 - [compiler][batch][null] improve command line option for external annotations

* Bug 408815 - [batch][null] Add CLI option for

COMPILER_PB_SYNTACTIC_NULL_ANALYSIS_FOR_FIELDS

* Jesper S Moller - Contributions for

* bug 407297 - [1.8][compiler] Control generation of parameter names by option

* Mat Booth - Contribution for bug 405176

* Frits Jalvingh -

fix for bug 533830.

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* Carmi Grushko - Bug 465048 - Binding is null for class literals in synchronized blocks

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/IUpdatableModule.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/IBinaryModule.java

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* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for

* bug 328281 - visibility leaks not detected when analyzing unused field in private class

* bug 349326 - [1.7] new warning for missing try-with-resources

* bug 186342 - [compiler][null] Using annotations for null checking

* bug 365836 - [compiler][null] Incomplete propagation of null defaults.

* bug 365519 - editorial cleanup after bug 186342

and bug 365387

* bug 365662 - [compiler][null] warn on contradictory and redundant null annotations

* bug 365531 - [compiler][null] investigate alternative strategy for internally encoding nullness defaults

* bug 366063 - Compiler should not add synthetic @NonNull annotations

* bug 384663 - Package Based Annotation Compilation Error in JDT 3.8/4.2 (works in 3.7.2)

* bug 386356 - Type mismatch error with annotations and generics

* bug 388281 - [compiler][null] inheritance of null annotations as an option

* bug 331649 - [compiler][null] consider null annotations for fields

* bug 380896 - [compiler][null] Enum constants not recognised as being NonNull.

* bug 391376 - [1.8] check interaction of default methods with bridge methods and generics

* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099

* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations

* Bug 415850 - [1.8] Ensure RunJDTCoreTests can cope with null annotations enabled

* Bug 416172 - [1.8][compiler][null] null type annotation not evaluated on method return type

* Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.

* Bug 426048 - [1.8] NPE in TypeVariableBinding.internalBoundCheck when parentheses are not balanced

* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations

* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault

* Bug 432348 - [1.8] Internal compiler error (NPE) after upgrade to 1.8

* Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables

- * Bug 435570 - [1.8][null] @NonNullByDefault illegally tries to affect "throws E"
- * Bug 441693 - [1.8][null]

Bogus warning for type argument annotated with @NonNull

- * Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
- * Bug 457210 - [1.8][compiler][null] Wrong Nullness errors given on full build build but not on incremental build?
- * Bug 461250 - ArrayIndexOutOfBoundsException in SourceTypeBinding.fields
- * Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param
- * Jesper S Moller <jesper@selskabet.org> - Contributions for
- * Bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable
- * Till Brychcy - Contributions for
- * bug 415269 - NonNullByDefault is not always inherited to nested classes
- * Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
- * Bug 405104 - [1.8][compiler][codegen] Implement support for serializable lambdas
- * Sebastian Zarnekow - Contributions

for

- * bug 544921 - [performance] Poor performance with large source files

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- * /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/SourceTypeBinding.java

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*   wharley@bea.com - derived base class from BatchMessengerImpl
*
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* Stephan Herrmann - Contribution for

* bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

* bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types

* bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files

* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099

* Bug 415850 - [1.8] Ensure RunJDTCoreTests

can cope with null annotations enabled

* Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.

* Bug 427163 - [1.8][null] bogus error "Contradictory null specification" on varargs

* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault

* Bug 434570 - Generic type mismatch for parametrized class annotation attribute with inner class

* Bug 434600 - Incorrect null analysis error reporting on type parameters

* Bug 439516 - [1.8][null] NonNullByDefault wrongly applied to implicit type bound of binary type

* Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables

* Bug 435570 - [1.8][null] @NonNullByDefault illegally tries to affect "throws E"

* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations

* Bug 437072 - [compiler][null] Null analysis

emits possibly incorrect warning for new int[][] despite @NonNullByDefault

* Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param

* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for

* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)

* Bug 409236 - [1.8][compiler] Type annotations on intersection cast types dropped by code

generator

* Bug 415399 - [1.8][compiler] Type annotations on constructor results dropped by the code generator
* Jesper S Møller <jesper@selskabet.org> - Contributions for
* bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type
* bug 529556 - [18.3] Add content assist support for 'var' as a type
*
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* Bug 427438 - [1.8][compiler] NPE at
org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)
*****/

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ExpressionContext.java

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*     bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/flow/LabelFlowContext.java

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/tool/JrtFileSystem.java

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* Benjamin Muskalla - Contribution for bug 239066

* Stephan Herrmann - Contributions for

* bug 236385 - [compiler] Warn for potential programming problem if an object is created but not used

* bug 295551 - Add option to automatically promote all warnings to errors

* bug 349326 - [1.7] new warning for missing try-with-resources

* bug 186342 - [compiler][null] Using annotations for null checking

* bug

370639 - [compiler][resource] restore the default for resource leak warnings

* bug 366063 - Compiler should not add synthetic @NonNull annotations

* bug 374605 - Unreasonable warning for enum-based switch statements

* bug 388281 - [compiler][null] inheritance of null annotations as an option

* bug 381443 - [compiler][null] Allow parameter widening from @NonNull to unannotated

* bug 383368 - [compiler][null] syntactic null analysis for field references

* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations

* Bug 410218 - Optional warning for arguments of "unexpected" types to Map#get(Object),

Collection#remove(Object) et al.

* Jesper Steen Moller - Contributions for

* bug 404146 - [1.7][compiler] nested try-catch-finally-blocks leads to unrunnable Java byte code

* bug 407297 - [1.8][compiler] Control generation of parameter names by option

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/CompilerOptions.java

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* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for

* bug 282152 - [1.5][compiler] Generics code rejected by Eclipse but accepted by javac

* bug 349326 - [1.7] new warning for missing try-with-resources

* bug 359362 - FUP of bug 349326: Resource leak on non-Closeable resource

* bug 358903 - Filter practically unimportant resource leak warnings

* bug 395002 - Self bound generic class

doesn't resolve bounds properly for wildcards for certain parametrisation.

* bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files

* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099

* Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.

* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)

* Bug 426792 - [1.8][inference][impl] generify new type inference engine

* Bug 428019 - [1.8][compiler] Type inference failure with nested generic invocation.

* Bug 429384 - [1.8][null] implement conformance rules for null-annotated lower / upper type bounds

* Bug 431269 - [1.8][compiler][null] StackOverflow in nullAnnotatedReadableName

* Bug 431408 - Java 8 (1.8) generics bug

* Bug 435962 - [RC2] StackOverFlowError when building

* Bug

438458 - [1.8][null] clean up handling of null type annotations wrt type variables

* Bug 438250 - [1.8][null] NPE trying to report bogus null annotation conflict

* Bug 438179 - [1.8][null] 'Contradictory null annotations' error on type variable with explicit null-annotation.

* Bug 440143 - [1.8][null] one more case of contradictory null annotations regarding type variables

* Bug 440759 - [1.8][null] @NonNullByDefault should never affect wildcards and uses of a type variable

* Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull

* Bug 456497 - [1.8][null] during inference nullness from target type is lost against weaker hint from applicability analysis

* Bug 456459 - Discrepancy between Eclipse compiler and javac - Enums, interfaces, and generics

* Bug 456487 - [1.8][null] @Nullable type variant of @NonNull-constrained type parameter causes grief

* Bug 462790 - [null] NPE in Expression.computeConversion()

* Bug 456532 - [1.8][null] ReferenceBinding.appendNullAnnotation() includes phantom annotations in error messages

* Jesper S Møller <jesper@selskabet.org> - Contributions for bug 381345 : [1.8] Take care of the Java 8 major

version

* Bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type

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* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for

* Bug 328281 - visibility leaks not detected when analyzing unused field in private class

* Bug 300576 - NPE Computing type hierarchy when compliance doesn't match libraries

* Bug 354536 - compiling package-info.java still depends on the order of compilation units

* Bug 349326 - [1.7] new warning for missing try-with-resources

* Bug

358903 - Filter practically unimportant resource leak warnings

* Bug 395977 - [compiler][resource] Resource leak warning behavior possibly incorrect for anonymous inner class

* Bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.

* Bug 416176 - [1.8][compiler][null] null type annotations cause grief on type variables

* Bug 427199 - [1.8][resource] avoid resource leak warnings on Streams that have no resource

* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault

* Bug 434570 - Generic type mismatch for parametrized class annotation attribute with inner class

* Bug 444024 - [1.8][compiler][null] Type mismatch error in annotation generics assignment which happens "sometimes"

* Bug 459967 - [null] compiler should know about nullness of special methods like MyEnum.valueOf()

* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com -

Contributions for

* Bug 415821 - [1.8][compiler] CLASS_EXTENDS target type annotation missing for anonymous classes

* het@google.com - Bug 456986 - Bogus error when annotation processor generates annotation type

* Lars Vogel <Lars.Vogel@vogella.com> - Contributions for

* Bug 473178

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ClassScope.java

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 *   IBM Corporation - initial API and implementation
 *   Stephan Herrmann - Contributions for
 *       bug 342671 - ClassCastException: org.eclipse.jdt.internal.compiler.lookup.SourceTypeBinding cannot be cast to
 * org.eclipse.jdt.internal.compiler.lookup.ArrayBinding
 *       bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
 *       Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
 *       Bug 416181 - [1.8][compiler][null] Invalid assignment
 *       is not rejected by the compiler
 *       Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
 *       Bug 434600 - Incorrect null analysis error reporting on type parameters
 *       Bug 435570 - [1.8][null] @NonNullByDefault illegally tries to affect "throws E"
 *       Bug 456508 - Unexpected RHS PolyTypeBinding for: <code-snippet>
 *       Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param
 *       Andy Clement - Contributions for
 *       Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's
 */
```

work)

*****/

Found in path(s):

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ParameterizedQualifiedTypeReference.java

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* Contributors:

* Stephan Herrmann - initial API and implementation

* Lars Vogel <Lars.Vogel@vogella.com> - Contributions for

* Bug 473178

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ConstraintTypeFormula.java

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* Stephan Herrmann - Contributions for

* bug 186342 - [compiler][null] Using annotations for null checking

* bug 367203 - [compiler][null] detect assigning null to nonnull argument

* bug 365519 - editorial cleanup after bug 186342 and bug 365387

* bug 365531 - [compiler][null] investigate alternative strategy for internally encoding nullness defaults

* bug 382353 - [1.8][compiler] Implementation property modifiers

should be accepted on default methods.

* bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

* bug 388281 - [compiler][null] inheritance of null annotations as an option

- * bug 401030 - [1.8][null] Null analysis support for lambda methods.
- * Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
- * Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
- * Bug 403216 - [1.8][null] TypeReference#captureTypeAnnotations treats type annotations as type argument annotations
- * Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.
- * Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
- * Bug 435570 - [1.8][null] @NonNullByDefault illegally tries to affect "throws E"
- * Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
- * Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/AbstractMethodDeclaration.java

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* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for

* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)

* Bug 409247 - [1.8][compiler] Verify error with code allocating multidimensional array

* Bug 409517 - [1.8][compiler] Type annotation problems on more elaborate array references

*

Bug 409250 - [1.8][compiler] Various loose ends in 308 code generation

*****/

Found in path(s):

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/codegen/TypeAnnotationCodeStream.java

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/codegen/DoubleCache.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/NLSTag.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/classfmt/InnerClassInfo.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ProblemFieldBinding.java
*
/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/StringLiteralConcatenation.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/codegen/LongCache.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/SimpleSet.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/CharLiteral.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/SubRoutineStatement.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/AccessRule.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/IDebugRequestor.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/IDependent.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/problem/AbortType.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/PostfixExpression.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/HashtableOfLong.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/HashtableOfIntValues.java
*
/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/ISourceImport.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/IProblemFactory.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/HashtableOfObjectToIntArray.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/HashtableOfObjectToInt.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/MagicLiteral.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ParameterizedFieldBinding.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/FalseLiteral.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/SimpleLookupTable.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/InnerEmulationDependency.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/HashtableOfType.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/AccessRestriction.java
*
/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ProblemBinding.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/OperatorIds.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/JavadocSingleNameReference.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/codegen/Label.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/codegen/CaseLabel.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/problem/ShouldNotImplement.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/codegen/ObjectCache.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/JavadocArrayQualifiedTypeReference.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/PrefixExpression.java

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/SyntheticArgumentBinding.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredImport.java
*
/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ImportConflictBinding.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ExtendedStringLiteral.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ICompilerRequestor.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/classfmt/ClassFileStruct.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/diagnose/RangeUtil.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/JavadocReturnStatement.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/problem/AbortCompilation.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/problem/AbortCompilationUnit.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/SyntheticFieldBinding.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/codegen/IntegerCache.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/antadapter/AntAdapterMessages.java
*
/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/codegen/FloatCache.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/problem/AbortMethod.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/TrueLiteral.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/AnnotationHolder.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/HashtableOfInt.java
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*     Bug 434602 - Possible error with inferred null annotations leading to contradictory null annotations
*     Bug 456497 - [1.8][null] during inference nullness from target type is lost against weaker hint from applicability
analysis
*     Bug 456487 - [1.8][null] @Nullable type variant of @NonNull-constrained type parameter causes grief
*   Till Brychcy - Contribution for
*     Bug 473713
- [1.8][null] Type mismatch: cannot convert from @NonNull A1 to @NonNull A1
*****/
/* Cache the derived type, tagging it as a derivative of both the key type and the naked type.
   E.g: int @NonNull [] would be tagged as a derived type of both int and int []. This is not
   needed for correctness, but for annotated object reuse. We provide two alternate ways to
   annotate a type:

Taking parameterized types as an example, a call to getParamaterizedType can be made with annotations
to create @NonNull List<@NonNull String> in one stroke. Or a parameterized type can be created first
and then annotated via getAnnotatedType. In the former case, the tables get looked up with List as
the key, in the latter with List<String> as the key.

Binary vs source, substitutions, annotation re-attribution from SE7 locations etc trigger these
alternate code paths. Unless care is exercised,
we will end up with duplicate objects (that share
the same TypeBinding.id => correctness is not an issue, but memory wastage is)
*/

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/TypeSystem.java
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*     Bug 365992 - [builder] [null] Change of nullness for a parameter doesn't trigger a build for the files that call the
method

```

* Bug 440477 - [null] Infrastructure for feeding external annotations into compilation
* Bug 440687 - [compiler][batch][null] improve command line option for external annotations
* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
*

bug 407191 - [1.8] Binary access support for type annotations

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/classfmt/ClassFileReader.java

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* Stephan Herrmann - Contributions for

* bug 332637 - Dead Code detection removing code that isn't dead

* bug 358827 - [1.7] exception analysis for t-w-r spoils null analysis

* bug 349326 - [1.7] new warning for missing try-with-resources

* bug 359334 - Analysis for resource leak warnings does not consider exceptions as method exit points

* bug 358903 - Filter practically unimportant resource

leak warnings

* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

* bug 388996 - [compiler][resource] Incorrect 'potential resource leak'

* bug 401088 - [compiler][null] Wrong warning "Redundant null check" inside nested try statement

* bug 401092 - [compiler][null] Wrong warning "Redundant null check" in outer catch of nested try

* bug 402993 - [null] Follow up of bug 401088: Missing warning about redundant null check

* bug 384380 - False positive on a ?? Potential null pointer access ?? after a continue

* Bug 415790 - [compiler][resource] Incorrect potential resource leak warning in for loop with close in try/catch

* Bug 371614 - [compiler][resource] Wrong "resource leak" problem on return/throw inside while loop

* Bug 444964 - [1.7+][resource] False resource leak warning (try-with-resources for ByteArrayOutputStream -
return inside for loop)

* Jesper Steen Moller -

Contributions for

* bug 404146 - [1.7][compiler] nested try-catch-finally-blocks leads to unrunnable Java byte code

* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for

* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's
work)

*

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*     bug 186342 - [compiler][null] Using annotations for null checking
*     bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.
*     Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
*     bug 413958 - Function override returning inherited Generic Type
*     Bug 400874 - [1.8][compiler] Inference infrastructure
    should evolve to meet JLS8 18.x (Part G of JSR335 spec)
*     Bug 424710 - [1.8][compiler] CCE in SingleNameReference.localVariableBinding
*     Bug 423505 - [1.8] Implement "18.5.4 More Specific Method Inference"
*     Bug 427438 - [1.8][compiler] NPE at
org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)
*     Bug 418743 - [1.8][null] contradictory annotations on invocation of generic method not reported
*     Bug 416182 - [1.8][compiler][null] Contradictory null annotations not rejected
*     Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
*     Bug 434602 - Possible error with inferred null annotations leading to contradictory null annotations
*     Bug 434483 - [1.8][compiler][inference] Type inference not picked up with method reference
*     Bug 446442 - [1.8] merge null annotations from super methods
*     Bug 457079 - Regression: type
inference

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*   Stephan Herrmann - Contributions for
*     bug 186342 - [compiler][null] Using annotations for null checking
*     bug 365519 - editorial cleanup after bug 186342 and bug 365387
*     bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK
*     bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations
*     bug 385626 - @NonNull fails across

```

loop boundaries

- * bug 388996 - [compiler][resource] Incorrect 'potential resource leak'
- * bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking
- * Bug 453483 - [compiler][null][loop] Improve null analysis for loops
- * Bug 455723 - Nonnull argument not correctly inferred in loop
- * Jesper S Moller - Contributions for
- * bug 404657 - [1.8][compiler] Analysis for effectively final variables fails to consider loops

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* Tom Tromey - patch for readTable(String) as described in http://bugs.eclipse.org/bugs/show_bug.cgi?id=32196

* Stephan Herrmann - Contributions for

* bug 366003 - CCE in ASTNode.resolveAnnotations(ASTNode.java:639)

- * bug 374605 - Unreasonable warning for enum-based switch statements
- * bug 393719 - [compiler] inconsistent warnings on iteration variables
- * bug 382353 - [1.8][compiler] Implementation property modifiers should be accepted on default methods.
- * bug 383973 - [1.8][compiler] syntax recovery in the presence of default methods
- * bug 401035 - [1.8] A few tests have started failing recently
- * Jesper S Moller - Contributions for
- * bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression
- * bug 399695 - [1.8][compiler] [1.8][compiler] migrate parser to other syntax for default methods
- * bug 384567 - [1.5][compiler] Compiler accepts illegal modifiers on package declaration
- * bug 393192 - Incomplete type hierarchy with > 10 annotations
- * bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type
- * Andy Clement - Contributions for
- * Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)
- * Bug 409250 - [1.8][compiler] Various loose ends in 308 code generation
- * Bug 415821 - [1.8][compiler] CLASS_EXTENDS target type annotation missing for anonymous classes

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* Jesper S Moller - Contributions for

* Bug 378674 - "The method can be declared as static" is wrong

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* BEA - Patch for bug 172743

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* Stephan Herrmann - Contributions for

* bug 319201 - [null] no warning when unboxing SingleNameReference causes NPE

* bug 349326 - [1.7] new warning for missing try-with-resources

- * bug 186342 - [compiler][null] Using annotations for null checking
- * bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK
- * bug 370639 - [compiler][resource] restore the default for resource leak warnings
- * bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
- * bug 388996 - [compiler][resource] Incorrect 'potential resource leak'
- * bug 395977 - [compiler][resource] Resource leak warning behavior possibly incorrect for anonymous inner class
- * bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking
- * Bug 415850 - [1.8] Ensure RunJDTCoreTests can cope with null annotations enabled
- * Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
- * Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.
- * Bug 416267 - NPE in QualifiedAllocationExpression.resolveType
- * Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
- * Bug 424415 - [1.8][compiler] Eventual resolution of ReferenceExpression is not seen to be happening.
- * Bug 427438 - [1.8][compiler] NPE at org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)
- * Jesper S Moller <jesper@selskabet.org> - Contributions for
- * bug 378674 - "The method can be declared as static" is wrong
- * Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
- * Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)
- * Bug 409245 - [1.8][compiler] Type annotations dropped when call is routed through a synthetic bridge method
- * Till Brychcy - Contributions for
- * bug 413460 - NonNullByDefault is not inherited to Constructors when accessed via Class File

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* bug 319201 - [null] no warning when unboxing SimpleNameReference causes NPE

* bug 186342 - [compiler][null] Using annotations for null checking

- * bug 361407 - Resource leak warning when resource is assigned to a field outside of constructor
- * bug 370639 - [compiler][resource] restore the default for resource leak warnings
- * bug 388996 - [compiler][resource] Incorrect 'potential resource leak'
- * bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking
- * Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
- * Bug 424710 - [1.8][compiler] CCE in SingleNameReference.localVariableBinding
- * Bug 425152 - [1.8] [compiler] Lambda Expression not resolved but flow analyzed leading to NPE.
- * Bug 424205 - [1.8] Cannot infer type for diamond type with lambda on method invocation
- * Bug 424415 - [1.8][compiler] Eventual resolution of ReferenceExpression is not seen to be happening.
- * Bug 426366 - [1.8][compiler] Type inference doesn't handle multiple candidate target types in outer overload context
- * Bug 426290 - [1.8][compiler] Inference + overloading => wrong method resolution ?
- * Bug 427483 - [Java 8] Variables in lambdas sometimes can't be resolved
- * Bug 427438 - [1.8][compiler]

NPE at org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)

- * Bug 428352 - [1.8][compiler] Resolution errors don't always surface
- * Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression
- * Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
- * Bug 409245 - [1.8][compiler] Type annotations dropped when call is routed through a synthetic bridge method

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* bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.

* Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.

* Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables

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* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)

* Stephan Herrmann - Contribution for

* Bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/Literal.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/diagnose/LexStream.java

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* Stephan Herrmann - Contribution for bug 186342 - [compiler][null] Using annotations for null checking

* Jesper Steen Moeller - Contribution for bug 406973 - [compiler] Parse MethodParameters attribute

* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for

* Bug 407191 - [1.8] Binary access support for type annotations

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* Bug 433478 - [compiler][null] NPE in ReferenceBinding.isCompatibleWith

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* Bug 440687 - [compiler][batch][null] improve command line option for external annotations
* Lars Vogel <Lars.Vogel@vogella.com> - Contributions for
* Bug 473178
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* Stephan Herrmann - Contributions for
* bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK
* bug 370639 - [compiler][resource] restore the default for resource leak warnings
* bug 388996 - [compiler][resource] Incorrect 'potential resource leak'
* Bug 417758 - [1.8][null] Null safety compromise during array creation.
* Bug 427438 - [1.8][compiler] NPE at
org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)
* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's
work)

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* Jesper S Moller - Contributions for
* Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335
* Bug 406973 - [compiler] Parse MethodParameters attribute
* Andy Clement - Contributions for
* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)

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* Erling Ellingsen - patch for bug 125570

* Stephan Herrmann - Contribution for

* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault

- * Bug 434570 - Generic type mismatch for parametrized class annotation attribute with inner class
- * Sebastian Zarnekow - Contribution for
- * Bug 544921 - [performance] Poor performance with large source files

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- * /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/ITypeRequestor.java
- * /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/Substitution.java
- * /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/batch/CompilationUnit.java
- * /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/problem/DefaultProblem.java
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- * /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/LabeledStatement.java

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- * Nick Teryaev - fix for bug (https://bugs.eclipse.org/bugs/show_bug.cgi?id=40752)
- * Stephan Herrmann - Contributions for
- * bug 319201 - [null] no warning when unboxing SingleNameReference causes NPE

- * bug 349326 - [1.7] new warning for missing try-with-resources
- * bug 186342 - [compiler][null] Using annotations for null checking
- * bug 358903 - Filter practically unimportant resource leak warnings
- * bug
- 370639 - [compiler][resource] restore the default for resource leak warnings
- * bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
- * bug 388996 - [compiler][resource] Incorrect 'potential resource leak'
- * bug 379784 - [compiler] "Method can be static" is not getting reported
- * bug 379834 - Wrong "method can be static" in presence of qualified super and different staticness of nested super class.
- * bug 388281 - [compiler][null] inheritance of null annotations as an option
- * bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types
- * bug 394768 - [compiler][resource] Incorrect resource leak warning when creating stream in conditional
- * bug 381445 - [compiler][resource] Can the resource leak check be made aware of Closeables.closeQuietly?
- * bug 331649 - [compiler][null] consider null annotations for fields
- * bug 383368 - [compiler][null] syntactic null
- analysis for field references
- * bug 382069 - [null] Make the null analysis consider JUnit's assertNotNull similarly to assertions
- * bug 382350 - [1.8][compiler] Unable to invoke inherited default method via I.super.m() syntax
- * bug 404649 - [1.8][compiler] detect illegal reference to indirect or redundant super
- * bug 403086 - [compiler][null] include the effect of 'assert' in syntactic null analysis for fields
- * bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking
- * Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
- * Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
- * Bug 405569 - Resource leak check false positive when using DbUtils.closeQuietly
- * Bug 411964 - [1.8][null] leverage null type annotation in foreach statement
- * Bug 417295 - [1.8][null] Massage type annotated null analysis
- to gel well with deep encoded type bindings.
- * Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
- * Bug 423504 - [1.8] Implement "18.5.3 Functional Interface Parameterization Inference"
- * Bug 424710 - [1.8][compiler] CCE in SingleNameReference.localVariableBinding
- * Bug 425152 - [1.8] [compiler] Lambda Expression not resolved but flow analyzed leading to NPE.
- * Bug 424205 - [1.8] Cannot infer type for diamond type with lambda on method invocation
- * Bug 424415 - [1.8][compiler] Eventual resolution of ReferenceExpression is not seen to be happening.
- * Bug 426366 - [1.8][compiler] Type inference doesn't handle multiple candidate target types in outer overload context
- * Bug 426290 - [1.8][compiler] Inference + overloading => wrong method resolution ?
- * Bug 427483 - [Java 8] Variables in lambdas sometimes can't be resolved
- * Bug 427438 - [1.8][compiler]
- NPE at org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)
- * Bug 426996 - [1.8][inference] try to avoid method Expression.unresolve()?
- * Bug 428352 - [1.8][compiler] Resolution errors don't always surface
- * Bug 429430 - [1.8] Lambdas and method reference infer wrong exception type with generics (RuntimeException instead of IOException)
- * Bug 441734 - [1.8][inference] Generic method with nested parameterized type argument fails on method reference
- * Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression
- * Bug 456487 - [1.8][null] @Nullable type variant of @NonNull-constrained type parameter causes grief

- * Bug 407414 - [compiler][null] Incorrect warning on a primitive type being null
- * Bug 472618 - [compiler][null] assertNotNull vs. Assert.assertNotNull
- * Bug 470958 - [1.8] Unable to convert lambda
- * Bug 410218 - Optional warning

for arguments of "unexpected" types to Map#get(Object), Collection#remove(Object) et al.

- * Jesper S Moller - Contributions for
- * Bug 378674 - "The method can be declared as static" is wrong
- * Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
- * Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)
- * Bug 409245 - [1.8][compiler] Type annotations dropped when call is routed through a synthetic bridge method

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- * Stephan Herrmann - Contribution for
- * bug 349326 - [1.7] new warning for missing try-with-resources
- * bug 370930 - NonNull annotation not considered for enhanced for loops
- * bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations
- * bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
- * bug 393719 - [compiler] inconsistent warnings

on iteration variables

- * Bug 411964 - [1.8][null] leverage null type annotation in foreach statement
- * Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
- * Bug 453483 - [compiler][null][loop] Improve null analysis for loops
- * Bug 415790 - [compiler][resource] Incorrect potential resource leak warning in for loop with close in try/catch

Jesper S Moller - Contribution for

- * bug 401853 - Eclipse Java compiler creates invalid bytecode (java.lang.VerifyError)
- * bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type

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* Contributors:

* IBM Corporation - initial API and implementation

* Matt McCutchen - partial fix for https://bugs.eclipse.org/bugs/show_bug.cgi?id=122995

* Karen Moore - fix for https://bugs.eclipse.org/bugs/show_bug.cgi?id=207411

* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for

* bug 185682 - Increment/decrement operators mark local variables as read

* bug 186342 - [compiler][null] Using annotations for null checking

* bug 365519 - editorial cleanup after

bug 186342 and bug 365387

* bug 374605 - Unreasonable warning for enum-based switch statements

* bug 384870 - [compiler] @Deprecated annotation not detected if preceded by other annotation

* bug 393719 - [compiler] inconsistent warnings on iteration variables

* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

* Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.

* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)

* Bug 424742 - [1.8] NPE in LambdaExpression.isCompatibleWith

* Bug 424710 - [1.8][compiler] CCE in SingleNameReference.localVariableBinding

* Bug 424205 - [1.8] Cannot infer type for diamond type with lambda on method invocation

* Bug 424415 - [1.8][compiler] Eventual resolution of ReferenceExpression is not seen to be happening.

* Bug 426366

- [1.8][compiler] Type inference doesn't handle multiple candidate target types in outer overload context

* Bug 427282 - [1.8][compiler] AIOOB (-1) at

org.eclipse.jdt.internal.compiler.ClassFile.traverse(ClassFile.java:6209)

* Bug 427483 - [Java 8] Variables in lambdas sometimes can't be resolved

- * Bug 428352 - [1.8][compiler] Resolution errors don't always surface
- * Bug 427163 - [1.8][null] bogus error "Contradictory null specification" on varargs
- * Bug 432348 - [1.8] Internal compiler error (NPE) after upgrade to 1.8
- * Bug 440143 - [1.8][null] one more case of contradictory null annotations regarding type variables
- * Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull
- * Bug 434483 - [1.8][compiler][inference] Type inference not picked up with method reference
- * Bug 446442 - [1.8] merge null annotations from super methods
- * Bug 437072 - [compiler][null] Null analysis emits possibly incorrect warning for new int[][] despite @NonNullByDefault
- * Jesper S Moller - Contributions for
 - * bug 382721 - [1.8][compiler] Effectively final variables needs special treatment
 - * bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable
 - * bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable
 - * bug 412149 - [1.8][compiler] Emit repeated annotations into the designated container
 - * bug 419209 - [1.8] Repeating container annotations should be rejected in the presence of annotation it contains
- * Till Brychcy - Contributions for
 - * bug 467094 - [1.8][null] TYPE_USE NullAnnotations of array contents are applied to field.

*****/

Found in path(s):

- * /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ASTNode.java

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- * Contributors:

- * IBM Corporation - initial API and implementation

- * Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for

- * bug 292478 - Report potentially null across variable assignment,

- * bug 185682 - Increment/decrement operators mark local variables as read

- * bug 331649 - [compiler][null] consider null annotations for fields

- * bug 383368 - [compiler][null] syntactic null analysis for field references

- * Bug 412203 - [compiler] Internal compiler error: java.lang.IllegalArgumentException: info cannot be null

- * Bug 458396 - NPE in CodeStream.invoke()

- * Bug 407414 - [compiler][null] Incorrect warning on a primitive type being null

- * Jesper S Moller - <jesper@selskabet.org> - Contributions for

- * bug 382721 - [1.8][compiler] Effectively final variables needs special treatment

- * bug 378674 - "The method can be declared as static" is wrong

- * bug 404657 - [1.8][compiler] Analysis for effectively final variables fails to consider loops

* bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type

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* Stephan Herrmann - Contribution for

* Bug 440474 - [null] textual encoding of external null annotations

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* IBM Corporation - added the following constants

* NonStaticAccessToStaticField

* NonStaticAccessToStaticMethod

* Task

* ExpressionShouldBeAVariable

* AssignmentHasNoEffect

* IBM Corporation - added the following constants

* TooManySyntheticArgumentSlots

* TooManyArrayDimensions

- * TooManyBytesForStringConstant
- * TooManyMethods
- * TooManyFields
- * NonBlankFinalLocalAssignment
- * ObjectCannotHaveSuperTypes
- * MissingSemiColon
- * InvalidParenthesizedExpression
- * EnclosingInstanceInConstructorCall
- * BytecodeExceeds64KLimitForConstructor
- * IncompatibleReturnTypeForNonInheritedInterfaceMethod
- * UnusedPrivateMethod
- * UnusedPrivateConstructor
- * UnusedPrivateType
- * UnusedPrivateField
- * IncompatibleExceptionInThrowsClauseForNonInheritedInterfaceMethod
- * InvalidExplicitConstructorCall
- * IBM Corporation - added the following constants
- * PossibleAccidentalBooleanAssignment
- * SuperfluousSemicolon
- * IndirectAccessToStaticField
- * IndirectAccessToStaticMethod
- * IndirectAccessToStaticType
- * BooleanMethodThrowingException
- * UnnecessaryCast
- * UnnecessaryArgumentCast
- * UnnecessaryInstanceOf
- * FinallyMustCompleteNormally
- * UnusedMethodDeclaredThrownException
- * UnusedConstructorDeclaredThrownException
- * InvalidCatchBlockSequence
- * UnqualifiedFieldAccess
- * IBM Corporation - added the following constants
- * Javadoc
- * JavadocUnexpectedTag
- * JavadocMissingParamTag
- * JavadocMissingParamName
- * JavadocDuplicateParamName
- * JavadocInvalidParamName
- * JavadocMissingReturnTag
- * JavadocDuplicateReturnTag
- * JavadocMissingThrowsTag
- * JavadocMissingThrowsClassName
- * JavadocInvalidThrowsClass
- * JavadocDuplicateThrowsClassName
- * JavadocInvalidThrowsClassName
- * JavadocMissingSeeReference
- * JavadocInvalidSeeReference

- * JavadocInvalidSeeHref
- * JavadocInvalidSeeArgs
- * JavadocMissing
- * JavadocInvalidTag
- * JavadocMessagePrefix
- * EmptyControlFlowStatement
- * IBM Corporation - added the following constants
- * IllegalUsageOfQualifiedTypeReference
- * InvalidDigit
- * IBM Corporation - added the following constants
- * ParameterAssignment
- * FallthroughCase
- * IBM Corporation - added the following constants
- * UnusedLabel
- * UnnecessaryNLSTag
- * LocalVariableMayBeNull
- * EnumConstantsCannotBeSurroundedByParenthesis
- * JavadocMissingIdentifier
- * JavadocNonStaticTypeFromStaticInvocation
- * RawTypeReference
- * NoAdditionalBoundAfterTypeVariable
- * UnsafeGenericArrayForVarargs
- * IllegalAccessFromTypeVariable
- *
- AnnotationValueMustBeArrayInitializer
- * InvalidEncoding
- * CannotReadSource
- * EnumStaticFieldInInInitializerContext
- * ExternalProblemNotFixable
- * ExternalProblemFixable
- * IBM Corporation - added the following constants
- * AnnotationValueMustBeAnEnumConstant
- * OverridingMethodWithoutSuperInvocation
- * MethodMustOverrideOrImplement
- * TypeHidingTypeParameterFromType
- * TypeHidingTypeParameterFromMethod
- * TypeHidingType
- * IBM Corporation - added the following constants
- * NullLocalVariableReference
- * PotentialNullLocalVariableReference
- * RedundantNullCheckOnNullLocalVariable
- * NullLocalVariableComparisonYieldsFalse
- * RedundantLocalVariableNullAssignment
- * NullLocalVariableInstanceofYieldsFalse
- * RedundantNullCheckOnNonNullLocalVariable
- * NonNullLocalVariableComparisonYieldsFalse
- * IBM Corporation - added the following constants
- * InvalidUsageOfTypeParametersForAnnotationDeclaration

- * InvalidUsageOfTypeParametersForEnumDeclaration
- * IBM Corporation - added the following constants
- * RedundantSuperinterface
- * Benjamin Muskalla - added the following constants
- * MissingSynchronizedModifierInInheritedMethod
- * Stephan Herrmann - added the following constants
- * UnusedObjectAllocation
- * PotentiallyUnclosedCloseable
- * PotentiallyUnclosedCloseableAtExit
- * UnclosedCloseable
- * UnclosedCloseableAtExit
- * ExplicitlyClosedAutoCloseable
- * RequiredNonNullButProvidedNull
- * RequiredNonNullButProvidedPotentialNull
- * RequiredNonNullButProvidedUnknown
- * NullAnnotationNameMustBeQualified
- * IllegalReturnNullityRedefinition
- * IllegalRedefinitionToNonNullParameter
- * IllegalDefinitionToNonNullParameter
- * ParameterLackingNonNullAnnotation
- * ParameterLackingNullableAnnotation
- * PotentialNullMessageSendReference
- * RedundantNullCheckOnNonNullMessageSend
- * CannotImplementIncompatibleNullness
- * RedundantNullAnnotation
- * RedundantNullDefaultAnnotation
- * RedundantNullDefaultAnnotationPackage
- * RedundantNullDefaultAnnotationType
- * RedundantNullDefaultAnnotationMethod
- * ContradictoryNullAnnotations
- * IllegalAnnotationForBaseType
- * RedundantNullCheckOnSpecdNonNullLocalVariable
- * SpecdNonNullLocalVariableComparisonYieldsFalse
- * RequiredNonNullButProvidedSpecdNullable
- * MissingDefaultCase
- * MissingEnumConstantCaseDespiteDefault
- * UninitializedLocalVariableHintMissingDefault
- * UninitializedBlankFinalFieldHintMissingDefault
- * ShouldReturnValueHintMissingDefault
- * IllegalModifierForInterfaceDefaultMethod
- * InheritedDefaultMethodConflictsWithOtherInherited
- * ConflictingNullAnnotations
- * ConflictingInheritedNullAnnotations
- * UnsafeElementTypeConversion
- * ArrayReferencePotentialNullReference
- * DereferencingNullableExpression
- * NullityMismatchingTypeAnnotation
- * NullityMismatchingTypeAnnotationSuperHint

- * NullityUncheckedTypeAnnotationDetail
- * NullityUncheckedTypeAnnotationDetailSuperHint
- * NullableFieldReference
- * UninitializedNonNullField
- * UninitializedNonNullFieldHintMissingDefault
- * NonNullMessageSendComparisonYieldsFalse
- * RedundantNullCheckOnNonNullSpecdField
- * NonNullSpecdFieldComparisonYieldsFalse
- * NonNullExpressionComparisonYieldsFalse
- * RedundantNullCheckOnNonNullExpression
- * ReferenceExpressionParameterNullityMismatch
- * ReferenceExpressionParameterNullityUnchecked
- * ReferenceExpressionReturnNullRedef
- * ReferenceExpressionReturnNullRedefUnchecked
- * DuplicateInheritedDefaultMethods
- * SuperAccessCannotBypassDirectSuper
- * SuperCallCannotBypassOverride
- * ConflictingNullAnnotations
- * ConflictingInheritedNullAnnotations
- * UnsafeElementTypeConversion
- * PotentialNullUnboxing
- * NullUnboxing
- * NullExpressionReference
- * PotentialNullExpressionReference
- * RedundantNullCheckAgainstNonNullType
- * NullAnnotationUnsupportedLocation
- * NullAnnotationUnsupportedLocationAtType
- * NullityMismatchTypeArgument
- * ContradictoryNullAnnotationsOnBound
- * UnsafeNullnessCast
- * ContradictoryNullAnnotationsInferred
- * NonNullDefaultDetailIsNotEvaluated
- * NullNotCompatibleToFreeTypeVariable
- * NullityMismatchAgainstFreeTypeVariable
- * ImplicitObjectBoundNonNullDefault
- * IllegalParameterNullityRedefinition
- * ContradictoryNullAnnotationsInferredFunctionType
- * IllegalReturnNullityRedefinitionFreeTypeVariable
- * UnlikelyCollectionMethodArgumentType
- * UnlikelyEqualsArgumentType
- * Jesper S Moller - added the following constants
- * TargetTypeNotAFunctionalInterface
- * OuterLocalMustBeEffectivelyFinal
- * IllegalModifiersForPackage
- * DuplicateAnnotationNotMarkedRepeatable
- * DisallowedTargetForContainerAnnotation
- * RepeatedAnnotationWithContainerAnnotation
- * ContainingAnnotationMustHaveValue

- * ContainingAnnotationHasNonDefaultMembers
- * ContainingAnnotationHasWrongValueType
- * ContainingAnnotationHasShorterRetention
- * RepeatableAnnotationHasTargets
- * RepeatableAnnotationTargetMismatch
- * RepeatableAnnotationIsDocumented
- * RepeatableAnnotationIsInherited
- * RepeatableAnnotationWithRepeatingContainerAnnotation
- * VarLocalMultipleDeclarators
- * VarLocalCannotBeArray
- * VarLocalReferencesItself
- * VarLocalWithoutInitializer
- * VarLocalInitializedToNull
- * VarLocalCannotBeArrayInitializers
- * VarLocalCannotBeLambda
- * VarLocalCannotBeMethodReference
- * VarIsReserved
- * VarIsReservedInFuture
- * VarIsNotAllowedHere

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* Contributors:

* wharley@bea.com - initial API and implementation

* IBM Corporation - fix for 342598

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/apt/model/DeclaredTypeImpl.java

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- * Contributors:
- * IBM Corporation - initial API and implementation
- * Stephan Herrmann - Contribution for
- * Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault

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- * /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/UnionTypeReference.java

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- * Stephan Herrmann - Contribution for bug 349326 - [1.7] new warning for missing try-with-resources

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- * Stephan Herrmann - Contribution for

* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
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* Contributors:
* IBM Corporation - initial API and implementation
* David Foerster - patch for toUpperCase as described in https://bugs.eclipse.org/bugs/show_bug.cgi?id=153125
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/ScannerHelper.java
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* Stephan Herrmann - initial API and implementation
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* Stephan Herrmann - Contribution for bug 295551

* Jesper S Moller - Contributions for

* Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335

* Frits Jalvingh - contributions for bug 533830.

* Red Hat Inc. - add module-info Javadoc support

*****/

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- * IBM Corporation - initial API and implementation
- * Jesper S Moller - Contributions for
- * bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression
- * Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335
- * Stephan Herrmann - Contribution for
- * Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
- * Bug 423504 - [1.8] Implement "18.5.3
Functional Interface Parameterization Inference"
- * Bug 425142 - [1.8][compiler] NPE in ConstraintTypeFormula.reduceSubType
- * Bug 425153 - [1.8] Having wildcard allows incompatible types in a lambda expression
- * Bug 425156 - [1.8] Lambda as an argument is flagged with incompatible error
- * Bug 424403 - [1.8][compiler] Generic method call with method reference argument fails to resolve properly.
- * Bug 427438 - [1.8][compiler] NPE at
org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)
- * Bug 428352 - [1.8][compiler] Resolution errors don't always surface
- * Bug 446442 - [1.8] merge null annotations from super methods
- * Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
- * Bug 405104 - [1.8][compiler][codegen] Implement support for serializeable lambdas

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* Jesper S Moller - Contributions for

* Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335

* Bug 406982 - [1.8][compiler] Generation of MethodParameters Attribute in classfile

* Bug 416885 - [1.8][compiler] IncompatibleClassChange error (edit)

* Bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable

* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com

- Contributions for

* Bug 405104 - [1.8][compiler][codegen] Implement support for serializeable lambdas

* Bug 439889 - [1.8][compiler] [lambda] Deserializing lambda fails with IllegalArgumentException:

"Invalid lambda deserialization"

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/codegen/ConstantPool.java

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*   Stephan Herrmann - Contribution for
*     bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files
*     Bug 416174 - [1.8][compiler][null] Bogus name clash error with null annotations
*     Bug 416176 - [1.8][compiler][null] null type annotations cause grief on type variables
*     Bug 423504 - [1.8] Implement "18.5.3 Functional Interface Parameterization Inference"
*     Bug 425783 - An
internal error occurred during: "Requesting Java AST from selection". java.lang.StackOverflowError
*     Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables
*     Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/RawTypeBinding.java

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* Contributors:

* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for

* Bug 407191 - [1.8] Binary access support for type annotations

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/classfmt/TypeAnnotationInfo.java

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/JavadocParser.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ImportBinding.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/ISourceType.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/MissingTypeBinding.java

*

/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/JavadocTagConstants.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ImportReference.java

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* Bug 428811 - [1.8][compiler] Type witness unnecessarily required

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* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

- * bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types
- * bug 383368 - [compiler][null] syntactic null analysis for field references
- * bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking

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- * bug 186342 - [compiler][null] Using annotations for null checking

- * bug 387612 - Unreachable catch block...exception is never thrown from the try

- * bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.

- * bug 401456 - Code compiles from javac/intellij, but fails from eclipse

- * bug 401271 - StackOverflowError

when searching for a methods references

- * bug 405706 - Eclipse compiler fails to give compiler error when return type is a inferred generic

- * Bug 408441 - Type mismatch using Arrays.asList with 3 or more implementations of an interface with the interface type as the last parameter

- * Bug 413958 - Function override returning inherited Generic Type

- * Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations

- * Bug 416183 - [1.8][compiler][null] Overload resolution fails with null annotations

- * Bug 416176 - [1.8][compiler][null] null type annotations cause grief on type variables

- * Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)

- * Bug 424710 - [1.8][compiler] CCE in SingleNameReference.localVariableBinding

- * Bug 424205 - [1.8] Cannot infer type for diamond type with lambda on method invocation

- * Bug 424415 - [1.8][compiler]

Eventual resolution of ReferenceExpression is not seen to be happening.

- * Bug 426366 - [1.8][compiler] Type inference doesn't handle multiple candidate target types in outer overload context

- * Bug 426290 - [1.8][compiler] Inference + overloading => wrong method resolution ?

- * Bug 426589 - [1.8][compiler] Compiler error with generic method/constructor invocation as vargs argument

- * Bug 426590 - [1.8][compiler] Compiler error with ternary operator

- * Bug 426764 - [1.8] Presence of conditional expression as method argument confuses compiler

- * Bug 426998 - [1.8][compiler] method(java.lang.Class, java.lang.String) not applicable for the arguments (java.lang.Class, java.lang.String)
- * Bug 423505 - [1.8] Implement "18.5.4 More Specific Method Inference"
- * Bug 427196 - [1.8][compiler] Compiler error for method reference to overloaded method
- * Bug 427483 - [Java 8] Variables in lambdas sometimes can't be resolved
- * Bug 427728 - [1.8] Type Inference rejects calls requiring boxing/unboxing
- * Bug 427218 - [1.8][compiler] Verify error varargs + inference
- * Bug 426836 - [1.8] special handling for return type in references to method getClass()?
- * Bug 427628 - [1.8] regression : The method * is ambiguous for the type *
- * Bug 428352 - [1.8][compiler] Resolution errors don't always surface
- * Bug 428366 - [1.8] [compiler] The method valueAt(ObservableList<Object>, int) is ambiguous for the type

Bindings

- * Bug 424728 - [1.8][null] Unexpected error: The nullness annotation 'XXXX' is not applicable at this location
- * Bug 428811 - [1.8][compiler] Type witness unnecessarily required
- * Bug 429424 - [1.8][inference] Problem inferring type of method's parameter
- * Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
- * Bug 434570 - Generic type mismatch for parametrized class annotation attribute with inner class
- * Bug 434483 - [1.8][compiler][inference] Type inference not picked up with method reference
- * Bug 441734 - [1.8][inference] Generic method with nested parameterized type argument fails on method reference
- * Bug 452194 - Code no longer compiles in 4.4.1, but with confusing error
- * Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression
- * Bug 456236 - [1.8][null] Cannot infer type when constructor argument is annotated with @Nullable
- * Bug 437072 - [compiler][null] Null analysis emits possibly incorrect warning for new int[][] despite @NonNullByDefault
- * Bug 462083 - [1.8][inference] Java 8 generic return type mismatch with interface involving type parameter.
- * Jesper S Moller - Contributions for
- * Bug 378674 - "The method can be declared as static" is wrong
- * Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335
- * Andy Clement (GoPivotal, Inc)

aclement@gopivotal.com - Contributions for

- * Bug 405104 - [1.8][compiler][codegen] Implement support for serializable lambdas
- * Pierre-Yves B. <pyvesdev@gmail.com> - Contributions for
- * Bug 559618 - No compiler warning for import from same package
- * Bug 560630 - No warning on unused import on class from same package

*****/

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*     Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
*     Bug 427438 - [1.8][compiler] NPE at
org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)
*****/
```

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/AbstractVariableDeclaration.java
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*     bug 319201 - [null] no warning when unboxing SimpleNameReference causes NPE
*     bug 403086 - [compiler][null] include the effect of 'assert' in syntactic null analysis for fields
*     bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred
checking
*     Bug 422796 - [compiler][null] boxed boolean reported as potentially null after
null test in lazy disjunction
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*       bug 319201 - [null] no warning when unboxing SingleNameReference causes NPE
*       bug 349326 - [1.7] new warning for missing try-with-resources
*       bug 265744 - Enum switch should warn about missing default
*       bug 374605 - Unreasonable warning for enum-based switch statements
*       bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/apt/dispatch/RoundDispatcher.java

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* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

* bug 402993 - [null] Follow up of bug 401088: Missing warning about redundant null check

* Bug 453483 - [compiler][null][loop] Improve null analysis for loops

* Bug 421035 - [resource] False alarm of resource leak warning when casting a closeable in its assignment

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/flow/ExceptionHandlingFlowContext.java

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* Bug 423504 - [1.8] Implement "18.5.3 Functional Interface Parameterization Inference"

* Bug 426676 - [1.8][compiler] Wrong generic method type inferred from lambda expression

* Bug 426542 - [1.8] Most specific method not picked when one method has intersection type as type parameter

* Bug 428019 - [1.8][compiler] Type inference failure with nested generic invocation.

```

*   Andy
Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
*       Bug 405104 - [1.8][compiler][codegen] Implement support for serializeable lambdas
*   Jesper S Møller - Contributions for bug 381345 : [1.8] Take care of the Java 8 major version
*       Bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/IntersectionTypeBinding18.java
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/apt/dispatch/IProcessorProvider.java
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*       bug 331649 - [compiler][null] consider null annotations for fields
*       bug 383368 - [compiler][null] syntactic null analysis for field references
*   Jesper S Moller - Contributions for
*       Bug 378674 - "The method can be declared as static" is wrong

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* bug 366003 - CCE in ASTNode.resolveAnnotations(ASTNode.java:639)

* bug 383973 - [1.8][compiler] syntax recovery in the presence of default methods

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/apt/util/ArchiveFileObject.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/tool/Archive.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/apt/util/Options.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/tool/ArchiveFileObject.java
*

/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/tool/Util.java

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/classfmt/MethodInfoWithAnnotations.java
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*     bug 186342 - [compiler][null] Using annotations for null checking
*     bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
*     bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files
*     Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
*     Bug 417295 - [1.8][null] Massage type annotated
*       null analysis to gel well with deep encoded type bindings.
*     Bug 425152 - [1.8] [compiler] Lambda Expression not resolved but flow analyzed leading to NPE.
*     Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
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* wharley@bea.com - initial API and implementation
* philippe.marschall@netcetera.ch - Fix for 338370
* IBM Corporation - Fix for validating relative name
*****/

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ProvidesStatement.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/IModuleAwareNameEnvironment.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/IMultiModuleEntry.java

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*   Jesper S Moller - Contributions for
*     bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression
*       Bug 384687 - [1.8] Wildcard type arguments should be rejected for lambda and reference
expressions
*   Bug 416885 - [1.8][compiler]IncompatibleClassChange error (edit)
*   Stephan Herrmann - Contribution for
*     bug 402028 - [1.8][compiler] null analysis for reference
expressions
*     bug 404649 - [1.8][compiler] detect illegal reference to indirect or redundant super via I.super.m() syntax
*     Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
*     Bug 415850 - [1.8] Ensure RunJDTCoreTests can cope with null annotations enabled
*     Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
*     Bug 423504 - [1.8] Implement "18.5.3 Functional Interface Parameterization Inference"
*     Bug 424637 - [1.8][compiler][null] AIOOB in ReferenceExpression.resolveType with a method reference to
Files::walk
*     Bug 424415 - [1.8][compiler] Eventual resolution of ReferenceExpression is not seen to be happening.

```

- * Bug 424403 - [1.8][compiler] Generic method call with method reference argument fails to resolve properly.
- * Bug 427196 - [1.8][compiler] Compiler error for method reference to overloaded method
- * Bug 427438
- [1.8][compiler] NPE at
org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)
- * Bug 428264 - [1.8] method reference of generic class causes problems (wrong inference result or NPE)
- * Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
- * Bug 426537 - [1.8][inference] Eclipse compiler thinks I<? super J> is compatible with I<J<?>> - raw type J involved
- * Bug 435570 - [1.8][null] @NonNullByDefault illegally tries to affect "throws E"
- * Bug 435689 - [1.8][inference] Type inference not occurring with lambda expression and method reference
- * Bug 438383 - [1.8][null] Bogus warning: Null type safety at method return type
- * Bug 434483 - [1.8][compiler][inference] Type inference not picked up with method reference
- * Bug 441734 - [1.8][inference] Generic method with nested parameterized type argument fails on method reference
- * Bug 438945 - [1.8] NullPointerException
InferenceContext18.checkExpression in java 8 with generics, primitives, and overloading
- * Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression
- * Bug 448709 - [1.8][null] ensure we don't infer types that violate null constraints on a type parameter's bound
- * Bug 459967 - [null] compiler should know about nullness of special methods like MyEnum.valueOf()
- * Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param
- * Bug 470542 - NullPointerException in ReferenceExpression.isPotentiallyCompatibleWith (962)
- * Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contribution for
- * Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)

*****/

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ReferenceExpression.java

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* Stephan Herrmann - Contributions for

* bug 349326 - [1.7] new warning for missing try-with-resources

* bug 186342 - [compiler][null] Using annotations for null checking

* bug 365519 - editorial cleanup after bug 186342 and bug 365387

* bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK

* bug 382353 - [1.8][compiler] Implementation property modifiers should

be accepted on default methods.

- * bug 383368 - [compiler][null] syntactic null analysis for field references
- * Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
- * Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
- * Bug 416176 - [1.8][compiler][null] null type annotations cause grief on type variables
- * Bug 438012 - [1.8][null] Bogus Warning: The nullness annotation is redundant with a default that applies to this location
- * Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
- * Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param
- * Jesper S Moller <jesper@selskabet.org> - Contributions for
- * bug 378674 - "The method can be declared as static" is wrong

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- * bug 349326 - [1.7] new warning for missing try-with-resources
- * bug 359362 - FUP of bug 349326: Resource leak on non-Closeable resource
- * bug 358903 - Filter practically unimportant resource leak warnings
- * Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.
- * Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
- * Bug 423504 - [1.8] Implement "18.5.3 Functional Interface Parameterization Inference"
- * Bug 426676 - [1.8][compiler] Wrong generic method type inferred from lambda expression
- * Bug 427411 - [1.8][generics] JDT reports type mismatch when using method that returns generic type
- * Bug 428019 - [1.8][compiler] Type inference failure with nested generic invocation.
- * Bug 435962 - [RC2] StackOverflowError when building
- * Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables
- * Bug 440759 - [1.8][null] @NonNullByDefault should never affect wildcards and uses of a type variable
- * Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull

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* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for
* bug 185682 - Increment/decrement operators mark local variables as read
* bug 331649 - [compiler][null] consider null annotations for fields
* Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.
* Bug 447088 - [null] @Nullable on fully qualified field type is ignored
* Bug 435805 - [1.8][compiler][null]
Java 8 compiler does not recognize declaration style null annotations
* Bug 458396 - NPE in CodeStream.invoke()
* Bug 446217 - [null] @NonNullByDefault in package-info.java causes bogus "null type safety" warning
* Till Brychcy - Contribution for
* bug 467094 - [1.8][null] TYPE_USE NullAnnotations of array contents are applied to field.

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/IntLiteralMinValue.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/DoubleLiteral.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/NumberLiteral.java

*

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/InferenceContext.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/LongLiteralMinValue.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/FloatLiteral.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/IntLiteral.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/LongLiteral.java

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/SuffixConstants.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/SourceTypeCollisionException.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/Messages.java

*

/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/batch/FileFinder.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredInitializer.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/problem/ProblemSeverities.java

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* bug 186342 - [compiler][null] Using annotations for null checking
* bug 365519 - editorial cleanup after bug 186342 and bug 365387
* bug 365531 - [compiler][null] investigate alternative strategy for internally encoding nullness defaults

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* Stephan Herrmann - Contribution for
* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
* bug 383368 - [compiler][null] syntactic null analysis for field references
* bug 402993 - [null] Follow up of bug 401088: Missing warning about redundant null check

```
*   Jesper S Moller - Contributions for
*   bug 382721 - [1.8][compiler] Effectively final variables needs special treatment
*****/
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*       bug 349326 - [1.7] new warning for missing try-with-resources
*       bug 359334 - Analysis for resource leak warnings does not consider exceptions as method exit points
*       bug 358903 - Filter practically unimportant resource leak warnings
*       bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK
*       bug 370639 - [compiler][resource]
*           restore the default for resource leak warnings
*       bug 388996 - [compiler][resource] Incorrect 'potential resource leak'
*       bug 379784 - [compiler] "Method can be static" is not getting reported
*       bug 394768 - [compiler][resource] Incorrect resource leak warning when creating stream in conditional
*****/
```

- * bug 404649 - [1.8][compiler] detect illegal reference to indirect or redundant super
- * Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
- * Bug 371614 - [compiler][resource] Wrong "resource leak" problem on return/throw inside while loop
- * Bug 421035 - [resource] False alarm of resource leak warning when casting a closeable in its assignment
- * Bug 444964 - [1.7+][resource] False resource leak warning (try-with-resources for ByteArrayOutputStream - return inside for loop)
- * Bug 396575 - [compiler][resources] Incorrect Errors/Warnings check for potential resource leak when surrounding with try-catch
- * Jesper S Moller <jesper@selskabet.org> - Contributions for
- * bug 378674 - "The method can be declared as static" is wrong
- * Keigo Imai - Contribution for bug 388903 - Cannot extend inner class as an anonymous class when it extends the outer class

*****/

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- * /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/BlockScope.java

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- * bug 349326 - [1.7] new warning for missing try-with-resources
- * bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files
- * Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
- * Bug 467032 - TYPE_USE Null Annotations: IllegalStateException with annotated arrays of Enum when accessed via BinaryTypeBinding

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- * /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/UnresolvedReferenceBinding.java

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 * bug 317046 - Exception during debugging when hover mouse over a field
 * bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.
 * bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types
 * bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files
 * Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
 * Bug 415291 - [1.8][null] differentiate type incompatibilities due to null annotations
 * Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.
 * Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
 * Bug 423504 - [1.8] Implement "18.5.3 Functional Interface Parameterization Inference"
 * Bug 424712 - [1.8][compiler] NPE in TypeBinding.isProvablyDistinctTypeArgument
 * Bug 426792 - [1.8][inference][impl] generify new type inference engine
 * Bug 426764 - [1.8] Presence of conditional expression as method argument confuses compiler
 * Bug 423505 - [1.8] Implement "18.5.4 More Specific Method Inference"
 * Bug 427626 - [1.8] StackOverflow while typing new ArrayList<String>().toArray(and asking for code completion
 * Bug 428019 - [1.8][compiler] Type inference failure with nested generic invocation.
 * Bug 435962 - [RC2] StackOverFlowError when building
 * Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables
 * Bug 440759 - [1.8][null] @NonNullByDefault should never affect wildcards and uses of a type variable
 * Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull
 * Bug 446434 - [1.8][null] Enable interned captures also when analysing null type annotations
 * Jesper S Moller <jesper@selskabet.org> - Contributions for
 * bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression
 * bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type
 *
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*     Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
*     Bug 416307 - [1.8][compiler][null] subclass with type parameter substitution confuses null checking
*     Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
*     Bug 417295 - [1.8][null]
*   Message type annotated null analysis to gel well with deep encoded type bindings.
*     Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
*     Bug 435570 - [1.8][null] @NonNullByDefault illegally tries to affect "throws E"
*     Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param
*   Andy Clement - Contributions for
*     Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's
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*   Lars Vogel <Lars.Vogel@vogella.com> - Contributions for
*     Bug 473178
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ConstraintFormula.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ConstraintExceptionFormula.java
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* Stephan Herrmann - Contribution for bug 186342 - [compiler][null] Using annotations for null checking

* Jesper S Moller -. Contribution for bug 400830: [1.8][formatter] Code formatter for Java 8

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* Lars Vogel <Lars.Vogel@vogella.com> - Contributions for

* Bug 473178

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* bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis

* bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.

* bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files

* Bug 392099

- [1.8][compiler][null] Apply null annotation on types for null analysis

* Bug 415291 - [1.8][null] differentiate type incompatibilities due to null annotations

* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099

* Bug 412076 - [compiler] @NonNullByDefault doesn't work for varargs parameter when in generic interface

* Bug 403216 - [1.8][null] TypeReference#captureTypeAnnotations treats type annotations as type argument annotations

* Bug 415850 - [1.8] Ensure RunJDTCoreTests can cope with null annotations enabled

* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099

* Bug 416175 - [1.8][compiler][null] NPE with a code snippet that used null annotations on wildcards

* Bug 416174 - [1.8][compiler][null] Bogus name clash error with null annotations

* Bug 416176 - [1.8][compiler][null] null type annotations cause grief on type variables

* Bug 400874 - [1.8][compiler]

Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)

* Bug 423504 - [1.8] Implement "18.5.3 Functional Interface Parameterization Inference"

* Bug 425278 - [1.8][compiler] Suspect error: The target type of this expression is not a well formed parameterized type due to bound(s) mismatch

* Bug 425798 - [1.8][compiler] Another NPE in ConstraintTypeFormula.reduceSubType

- * Bug 425156 - [1.8] Lambda as an argument is flagged with incompatible error
- * Bug 426563 - [1.8] AIOOBE when method with error invoked with lambda expression as argument
- * Bug 426792 - [1.8][inference][impl] generify new type inference engine
- * Bug 428294 - [1.8][compiler] Type mismatch: cannot convert from List<Object> to Collection<Object[]>
- * Bug 427199 - [1.8][resource] avoid resource leak warnings on Streams that have no resource
- * Bug 416182 - [1.8][compiler][null] Contradictory null annotations not rejected
- * Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables
- * Bug 438179 - [1.8][null] 'Contradictory null annotations' error on type variable with explicit null-annotation.
- * Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull
- * Bug 446434 - [1.8][null] Enable interned captures also when analysing null type annotations
- * Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
- * Bug 456508 - Unexpected RHS PolyTypeBinding for: <code-snippet>
- * Bug 390064 - [compiler][resource] Resource leak warning missing when extending parameterized class
- * Jesper S Møller - Contributions for bug 381345 : [1.8] Take care of the Java 8 major version
- * Bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type

*****/

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ParameterizedTypeBinding.java

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* Stephan Herrmann - Contribution for

* bug 400710 - [1.8][compiler] synthetic access to default method generates wrong code

* Bug 459967 - [null] compiler should know about nullness of special methods like MyEnum.valueOf()

* Bug 470467 - [null] Nullness of special Enum methods not detected from .class file

* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for

* Bug 405104 -

[1.8][compiler][codegen] Implement support for serializable lambdas

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 - * Benjamin Muskalla - Contribution for bug 239066
 - * Stephan Herrmann - Contributions for
 - * bug 236385 - [compiler] Warn for potential programming problem if an object is created but not used
 - * bug 338303 - Warning about Redundant assignment conflicts with definite assignment
 - * bug 349326 - [1.7] new warning for missing try-with-resources
 - * bug 186342 - [compiler][null] Using annotations for null checking
 - * bug 365519 - editorial cleanup after bug 186342 and bug 365387
 - * bug 365662 - [compiler][null] warn on contradictory and redundant null annotations
 - * bug 365531 - [compiler][null] investigate alternative strategy for internally encoding nullness defaults
 - * bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations
 - * bug 374605 - Unreasonable warning for enum-based switch statements
 - * bug 382353 - [1.8][compiler] Implementation property modifiers should be accepted on default methods.
 - * bug 382347 - [1.8][compiler] Compiler accepts incorrect default method inheritance
 - * bug 388281 - [compiler][null] inheritance of null annotations as an option
 - * bug 376053 - [compiler][resource] Strange potential resource leak problems
 - * bug 381443 - [compiler][null] Allow parameter widening from @NonNull to unannotated
 - * bug 393719 - [compiler] inconsistent warnings on iteration variables
 - * bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types
 - * bug 388739 - [1.8][compiler] consider default methods when detecting whether a class needs to be declared abstract
- * bug 331649 - [compiler][null] consider null annotations for fields
- * bug 382789 - [compiler][null] warn when syntactically-nonnull expression is compared against null
- * bug 376590 - Private fields with @Inject are ignored by unused field validation
- * bug 400761 - [compiler][null] null may be return as boolean without a diagnostic
- * bug 402028 - [1.8][compiler] null analysis for reference expressions
- * bug 401796 - [1.8][compiler] don't treat default methods as overriding an independent inherited abstract method
- * bug 404649 - [1.8][compiler] detect illegal reference to indirect or redundant super
- * bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files
- * Bug
 - 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
 - * Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
 - * Bug 415291 - [1.8][null] differentiate type incompatibilities due to null annotations
 - * Bug 415850 - [1.8] Ensure RunJDTCORETests can cope with null annotations enabled
 - * Bug 414380 - [compiler][internal] QualifiedNameReference#indexOfFirstFieldBinding does not point to the first field
 - * Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
 - * Bug 416307 - [1.8][compiler][null] subclass with type parameter substitution confuses null checking

- * Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
- * Bug 424637 - [1.8][compiler][null] AIOOB in ReferenceExpression.resolveType with a method reference to Files::walk
- * Bug 428294 - [1.8][compiler] Type mismatch: cannot convert from List<Object> to Collection<Object[]>
- * Bug 428366 - [1.8] [compiler] The method valueAt(ObservableList<Object>, int) is ambiguous for the type Bindings
- * Bug 416190 - [1.8][null] detect incompatible overrides due to null type annotations
- * Bug 392245 - [1.8][compiler][null] Define whether / how @NonNullByDefault applies to TYPE_USE locations
- * Bug 390889 - [1.8][compiler] Evaluate options to support 1.7- projects against 1.8 JRE.
- * Bug 430150 - [1.8][null] stricter checking against type variables
- * Bug 434600 - Incorrect null analysis error reporting on type parameters
- * Bug 439516 - [1.8][null] NonNullByDefault wrongly applied to implicit type bound of binary type
- * Bug 438467 - [compiler][null] Better error position for "The method _ cannot implement the corresponding method _ due to incompatible nullness constraints"
- * Bug 439298 - [null] "Missing code implementation in the compiler" when using @NonNullByDefault in package-info.java
- * Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
- * Bug 446442 - [1.8] merge null annotations from super methods
- * Bug 455723 - Nonnull argument not correctly inferred in loop
- * Bug 458361 - [1.8][null] reconciler throws NPE in ProblemReporter.illegalReturnRedefinition()
- * Bug 459967 - [null] compiler should know about nullness of special methods like MyEnum.valueOf()
- * Bug 461878 - [1.7][1.8][compiler][null] ECJ compiler does not allow to use null annotations on annotations
- * Bug 410218 - Optional warning for arguments of "unexpected" types to Map#get(Object), Collection#remove(Object) et al.
- * Jesper S Moller <jesper@selskabet.org> - Contributions for
- * bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression
- * bug 382721 - [1.8][compiler] Effectively final variables needs special treatment
- * bug 384567 - [1.5][compiler] Compiler accepts illegal modifiers on package declaration
- * bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable
- * bug 412151 - [1.8][compiler] Check repeating annotation's collection type
- * bug 419209 - [1.8] Repeating container annotations should be rejected in the presence of annotation it contains
- * Bug 429384 - [1.8][null] implement conformance rules for null-annotated lower / upper type bounds
- * Bug 416182 - [1.8][compiler][null] Contradictory null annotations not rejected
- * bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type
- * Ulrich Grave <ulrich.grave@gmx.de> - Contributions for
- * bug 386692 - Missing "unused" warning on "autowired" fields

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 * bug 359334 - Analysis for resource leak warnings does not consider exceptions as method exit points
 * bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK
 * bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
 * Bug 429430 - [1.8] Lambdas and method reference infer wrong exception type with
 generics (RuntimeException instead of IOException)
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 * Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/JavadocImplicitTypeReference.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ElementValuePair.java

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*     bug 382350 - [1.8][compiler] Unable to invoke inherited default method via I.super.m() syntax
*     bug 404649 - [1.8][compiler] detect illegal reference to indirect or redundant super
*   Jesper S Moller <jesper@selskabet.org> - Contributions for
*     bug 378674 - "The method can be declared as static" is wrong
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/QualifiedThisReference.java
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- * Stephan Herrmann - Contributions for
- * bug 349326 - [1.7] new warning for missing try-with-resources
- * bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK
- * bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
- * bug 383368 - [compiler][null] syntactic null analysis for field references
- * bug 402993 - [null] Follow up
- of bug 401088: Missing warning about redundant null check
- * Bug 440282 - [resource] Resource leak detection false negative with empty finally block

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*     Bug 440687 - [compiler][batch][null] improve command line option for external annotations
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*       bug 292478 - Report potentially null across variable assignment
*       bug 332637 - Dead Code detection removing code that isn't dead
*   bug 394768 - [compiler][resource] Incorrect resource leak warning when creating stream in conditional
*   Bug 411964 - [1.8][null] leverage null type annotation in foreach statement
*   Bug 421035 - [resource]
*       False alarm of resource leak warning when casting a closeable in its assignment
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredModule.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/PackageVisibilityStatement.java

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* Bug 186342 - [compiler][null] Using annotations for null checking

* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault

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* Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables
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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/VoidTypeBinding.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/NullTypeBinding.java

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* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"

- * bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types
- * bug 331649 - [compiler][null] consider null annotations for fields
- * bug 383368 - [compiler][null] syntactic null analysis for field

references

- * bug 400761 - [compiler][null] null may be return as boolean without a diagnostic
- * bug 402993 - [null] Follow up of bug 401088: Missing warning about redundant null check
- * bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking
- * Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
- * Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.
- * Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
- * Bug 426792 - [1.8][inference][impl] generify new type inference engine
- * Bug 423505 - [1.8] Implement "18.5.4 More Specific Method Inference"
- * Bug 427438 - [1.8][compiler] NPE at

org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)

- * Bug 426996 - [1.8][inference]

try to avoid method Expression.unresolve()?

- * Bug 428274 - [1.8] [compiler] Cannot cast from Number to double
- * Bug 428352 - [1.8][compiler] Resolution errors don't always surface
- * Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression
- * Lars Vogel <Lars.Vogel@vogella.com> - Contributions for
- * Bug 473178

*****/

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/Expression.java

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/HashtableOfModule.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredRequiresStatement.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredModuleStatement.java

* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredModuleReference.java

```

*
/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ExportsStatement.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredExportsStatement.java
* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredOpensStatement.java
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Found in path(s):

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* /ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/apt/dispatch/ProcessorInfo.java

```

1.344 libxml 2.9.7-13.el8

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1.345 dmidecode 3.3-4.el8

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of
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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2			
2002	PSF	yes		
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
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1.347 packaging 16.8

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1.348 colorama 0.3.7

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1.349 html5lib 1.0b10

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1.350 stax-ex 1.8

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Manifest-Version: 1.0

Created-By: Apache Maven Bundle Plugin

Built-By: build

Build-Jdk: 9.0.4

Implementation-Title: Extended StAX API

Implementation-Version: 1.8

Implementation-Vendor-Id: org.jvnet.staxex

Implementation-URL: <http://stax-ex.java.net/>

Implementation-Build-Id: \${scmBranch}-\${buildNumber}, \${timestamp}

Bnd-LastModified: 1524563042303

Bundle-Description: Extensions to JSR-173 StAX API.

Bundle-License: https://glassfish.dev.java.net/public/CDDL+GPL_1_1.html

1

Bundle-ManifestVersion: 2

Bundle-Name: Extended StAX API

Bundle-SymbolicName: org.jvnet.staxex.stax-ex

Bundle-Version: 1.8.0

Export-Package: org.jvnet.staxex;version="1.8.0";uses="javax.activation,javax.xml.namespace,javax.xml.stream",org.jvnet.staxex.util;version="1.8.0";uses="javax.xml.bind.attachment,javax.xml.namespace,javax.xml

xml.stream,org.w3c.dom"

Import-Package: javax.activation,javax.xml.bind.attachment,javax.xml.n
amespace,javax.xml.stream,org.jvnet.staxex;version="[1.8,2)",org.w3c.
dom

Originally-Created-By: Apache Maven Bundle Plugin

Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=9.0))"

Tool: Bnd-3.5.0.201709291849

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1.353 libsigsegv 2.11-5.el8

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

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```
@smallexample
@var{one line to give the program's name and a brief idea of what it does.}
Copyright
(C) @var{year} @var{name of author}
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Also add information on how to contact you by electronic and paper mail.

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```
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@var{program} Copyright (C) @var{year} @var{name of author}
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for details type @samp{show w}.
This is free software, and you are welcome to redistribute it
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```

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1.356 libassuan 2.5.1-3.el8

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1.358 libidn 2.2.0-1.el8

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Carriage_Control carriage_return
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1.364 dbus-python 1.2.4-15.el8

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1.365 libpng 1.6.34-5.el8

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

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

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

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

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

the scope of this License.

3. You may opt to apply the terms

of the ordinary GNU General Public

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

^L

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

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

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the

complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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

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

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

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a

derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

Otherwise, if the work is a derivative of the Library, you may distribute

the object code for the work under the terms of Section 6.

Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

^L

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

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

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

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a

copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2)

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

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

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

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

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

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

^L

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

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

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

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^L

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

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

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

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

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

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

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

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

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

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

Copyright information:

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

This approval was carried out in email discussions in 2005, and has
been reconfirmed as of 2007-10-01 with the following email from Alec
Muffett. Cracklib's license was changed from the GPL to the LGPL after
consensus of all previous developers in October 2008, effective with
release 2.8.15 released on 2009-11-19. See the email discussion below
for both license changes.

EFFECTIVE

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

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

[Cracklib-devel] cracklib license

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

Attachments: Message as HTML

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

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

=2Dmike

Re: [Cracklib-devel] cracklib license

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

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

-- Nathan

=20

Nathan Neulinger EMail: nneul@um...

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

UMR Information Technology Fax: (573) 341-4216

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

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

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

> Mike Frysinger

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

> To: cracklib-devel@li...

> Subject: [Cracklib-devel] cracklib license

>=20

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

> libraries under

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

> -mike

Re: [Cracklib-devel] cracklib license

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

Attachments: Message as HTML

On Monday 01 October 2007, Neulinger, Nathan wrote:

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

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

=20

change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless th=
eir=20

applications are also GPL-2 which imo is just wrong. it isnt the place of =
a=20

library to dictact to application writes what license they should be using.=
=20

thus LGPL-2.1 enters to fill this void.

=2Dmike

Re: [Cracklib-devel] cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46

Seems like the ideal thing here would be for you and the other distro maintainers to get together with Alec in a conversation and come to a decision as to what licensing scheme y'all want. I haven't really done much other than cleaning up the packaging and patches and a small bit of additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan

=20

Nathan Neulinger EMail: nneul@um...

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

UMR Information Technology Fax: (573) 341-4216

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

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

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

> Mike Frysinger

> Sent: Monday, October 01, 2007 8:33 PM

> To: Neulinger, Nathan

>

Cc: cracklib-devel@li...; Alec Muffett

> Subject: Re: [Cracklib-devel] cracklib license

>=20

> On Monday 01 October 2007, Neulinger, Nathan wrote:

> > I understand that, and you're welcome to bring it up with Alec
> directly

> > and see if he wants to relicense his code as LGPL... but at this
> point,

> > it was enough to just get it consistent and documented as to what
> it was

> > released under. This wasn't actually a license change, just a

> > clarification of the licensing that was already in place.

>=20

> the original license (before moving to sourceforge -- aka, 2.7) was
> not
> GPL-2 ... it was a modified artistic license ... i didnt notice the
> license
> change until it was mentioned in the latest notes.
>=20
> unlike the old license, GPL-2 prevents people from using cracklib
> unless their
> applications are also GPL-2 which imo is just wrong. it isnt
the
> place of a
> library to dictact to application writes what license they should
> be using.
> thus LGPL-2.1 enters to fill this void.
> -mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57

> Seems like the ideal thing here would be for you and the other distro
> maintainers to get together with Alec in a conversation and come to a
> decision as to what licensing scheme y'all want. I haven't really done
> much other than cleaning up the packaging and patches and a small
> bit of
> additional code, so whatever licensing y'all come up with is fine
> by me.

I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be
linked with any code, not just GPL...

-a

Re: [Cracklib-devel] cracklib license

From: Devin Reade <gdr@gn...> - 2007-10-02 15:04

I would

like to see it under LGPL as well. I think it is in everyone's
best interests to have as secure systems as possible, and I think tainting
it via GPL will just make it less likely that the library gets used, and
will not usually cause companies/developers to GPL the dependent code
(where it is not already GPL).

I like GPL, I use it when I can, but I don't think that it's the correct
license in this situation.

Devin

--

If it's sinful, it's more fun.

Re: [Cracklib-devel] cracklib license

From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32

On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:

> > Seems like the ideal thing here would be for you and the other distro
> > maintainers to get together with Alec in a conversation and come to a
> > decision as to what licensing scheme y'all want. I haven't really done
> > much other than cleaning up the packaging and patches

and a small

> > bit of
> > additional code, so whatever licensing y'all come up with is fine
> > by me.
>
> I am sympathetic. Guys, what do you reckon?
>
> What I am hearing so far is that LGPL makes sense, since it can be
> linked with any code, not just GPL...

My apologies for not chiming in in anything resembling a reasonable timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately, GPLv2 with the option of using the library under a later version of the GPL would permit applications which were released under version 3 of the GPL to use the library, too, which would be sufficient for the packages which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML

On Monday 28 January 2008, Nalin Dahyabhai wrote:

> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > > Seems like the ideal thing here would be for you and the other distro
> > > maintainers to get together with Alec in a conversation and come to a
> > > decision as to what licensing scheme y'all want. I haven't really done
> > > much other than cleaning up the packaging and patches and a small
> > > bit of

> > > additional code, so whatever licensing y'all come up with is fine
> > > by me.
> >
> > I am sympathetic. Guys, what do you reckon?
> >
> > What I am hearing so far is that LGPL makes sense, since it can be
> > linked with any code, not just GPL...
>
> My apologies for not chiming in in anything resembling a reasonable
> timeframe.
>
> I'd also suggest the LGPL, for the reason you noted above. Alternately,
> GPLv2 with the option of using the library under a later version of the
> GPL would permit applications which were released under version 3 of the
> GPL to use the library, too, which would be sufficient for the packages
> which are included in Fedora. FWIW, I'd personally lean toward LGPL.
>
> In any case, I thank you both for working on sorting this out.

looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
the change now ?
-mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18
>> In any case, I thank you both for working on sorting this out.
>
> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
> the change now ?

yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message
as HTML

On Sunday 05 October 2008, Alec Muffett wrote:
> >> In any case, I thank you both for working on sorting this out.
> >
> > looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we
> > make the change now ?
>
> yes. go for it. thanks++

Nathan Neulinger is the only one who can actually make said change ...

-mike

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

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

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

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

From alecm@crypticide.com Mon Oct 1 12:26:03 2007
Received: from umr-exproto2.cc.umn.edu ([131.151.0.192]) by UMR-CMAIL1.umn.edu with Microsoft SMTPSVC(6.0.3790.3959);
Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umn.edu with Microsoft SMTPSVC(6.0.3790.3959);
Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
by scanin-ipvs.cc.umn.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id I91Gxtpr020623
for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
for <nneul@neulinger.org>; Mon, 1 Oct
2007 09:59:50 -0700 (PDT)
Received: from [82.68.43.14] (helo=[192.168.1.3])
by rutherford.zen.co.uk with esmtp (Exim 4.50)
id 1IcOcX-0004Qt-6L
for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)

In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status:
RO
Content-Length: 585
Lines: 21

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

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

Happy now? :-)

-a

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

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

[Cracklib-devel] cracklib license

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

Attachments: Message as HTML

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

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

Re: [Cracklib-devel] cracklib license

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

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

-- Nathan

=20

Nathan Neulinger EMail: nneul@um...

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

UMR Information Technology Fax: (573) 341-4216

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

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

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

> Mike Frysinger

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

> To: cracklib-devel@li...

> Subject: [Cracklib-devel] cracklib license

>=20

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

> libraries under

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

> -mike

Re: [Cracklib-devel] cracklib license

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

Attachments: Message as HTML

On Monday 01 October 2007, Neulinger, Nathan

wrote:

> I understand that, and you're welcome to bring it up with Alec directly

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

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

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

Re: [Cracklib-devel]

cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46
Seems like the ideal thing here would be for you and the other distro
maintainers to get together with Alec in a conversation and come to a
decision as to what licensing scheme y'all want. I haven't really done
much other than cleaning up the packaging and patches and a small bit of
additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan
=20

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

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:33 PM
> To: Neulinger, Nathan
> Cc: cracklib-devel@li...; Alec Muffett
> Subject: Re: [Cracklib-devel] cracklib license
>=20
> On Monday 01 October 2007, Neulinger, Nathan wrote:
> > I understand that, and you're welcome to bring it up with Alec
> directly

> > and see if he wants to relicense his code as LGPL... but at this
> point,
> > it was enough to just get it consistent and documented as to what
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> license
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>=20
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> place of a
> library
to dictact to application writes what license they should
> be using.
> thus LGPL-2.1 enters to fill this void.
> -mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57

> Seems like the ideal thing here would be for you and the other distro
> maintainers to get together with Alec in a conversation and come to a
> decision as to what licensing scheme y'all want. I haven't really done
> much other than cleaning up the packaging and patches and a small
> bit of
> additional code, so whatever licensing y'all come up with is fine
> by me.

I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be
linked with any code, not just GPL...

-a

Re: [Cracklib-devel] cracklib license

From: Devin Reade <gdr@gn...> - 2007-10-02 15:04

I would like to see it under LGPL as well. I
think it is in everyone's
best interests to have as secure systems as possible, and I think tainting
it via GPL will just make it less likely that the library gets used, and

will not usually cause companies/developers to GPL the dependent code (where it is not already GPL).

I like GPL, I use it when I can, but I don't think that it's the correct license in this situation.

Devin

--

If it's sinful, it's more fun.

Re: [Cracklib-devel] cracklib license

From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32

On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:

> > Seems like the ideal thing here would be for you and the other distro
> > maintainers to get together with Alec in a conversation and come to a
> > decision as to what licensing scheme y'all want. I haven't really done
> > much other than cleaning up the packaging and patches and a small
> > bit of

> > additional

code, so whatever licensing y'all come up with is fine

> > by me.

>

> I am sympathetic. Guys, what do you reckon?

>

> What I am hearing so far is that LGPL makes sense, since it can be

> linked with any code, not just GPL...

My apologies for not chiming in in anything resembling a reasonable timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately, GPLv2 with the option of using the library under a later version of the GPL would permit applications which were released under version 3 of the GPL to use the library, too, which would be sufficient for the packages which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML

On Monday 28 January 2008, Nalin Dahyabhai wrote:

> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:

> > > Seems like the ideal thing here would be for you and the other distro
> > > maintainers to get together with Alec in a conversation and come to a
> > > decision as to what licensing scheme y'all want. I haven't really done
> > > much other than cleaning up the packaging and patches and a small
> > > bit of
> > > additional code, so whatever licensing y'all come up with is fine
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> > I am sympathetic. Guys, what do you reckon?

> >

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> > linked with any code, not just GPL...

>

> My apologies for not chiming in in anything resembling a reasonable
> timeframe.

>

> I'd also suggest the LGPL, for the reason you noted above. Alternately,
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the library under a later version of the

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> GPL to use the library, too, which would be sufficient for the packages

> which are included in Fedora. FWIW, I'd personally lean toward LGPL.

>

> In any case, I thank you both for working on sorting this out.

looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
the change now ?

-mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18

>> In any case, I thank you both for working on sorting this out.

>

> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
> the change now ?

yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML

On Sunday 05 October

2008, Alec Muffett wrote:

> >> In any case, I thank you both for working on sorting this out.
> >
> > looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we
> > make the change now ?
>
> yes. go for it. thanks++

Nathan Neulinger is the only one who can actually make said change ...

-mike

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

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

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

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

From

alecm@crypticide.com Mon Oct 1 12:26:03 2007

Received: from umr-exproto2.cc.umd.edu ([131.151.0.192]) by UMR-CMAIL1.umd.edu with Microsoft SMTPSVC(6.0.3790.3959);

Mon, 1 Oct 2007 12:26:03 -0500

Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umd.edu with Microsoft SMTPSVC(6.0.3790.3959);

Mon, 1 Oct 2007 12:26:02 -0500

Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000

Received: from smtp1.srv.mst.edu (131.151.1.43)

by scanin-ipvs.cc.umd.edu with SMTP; 1 Oct 2007 16:59:55 -0000

Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])

by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id l91Gxtpr020623

for <nneul@umd.edu>; Mon, 1 Oct 2007 11:59:55 -0500

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

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

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

Happy now? :-)

1.367 libksba 1.3.5-7.el8

1.367.1 Available under license :

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Version 3, 29 June 2007

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To

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- c) You must license

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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.

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"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute

modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

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).

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```

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(For example, a function in a library to compute square roots has

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1.377 json-glib 1.4.4-1.el8

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Any executables

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1.378 python-dmidecode 3.12.2-15.el8

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1.379 tcl 8.6.8-2.el8

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1.380 python-requests 2.20.0-2.1.el8_1

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1.381 libgpg-error 1.31-1.el8

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

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

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

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be called something other than ``show w'` and ``show c'`; they could even be
mouse-clicks or menu items--whatever suits your program.

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```
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`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

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

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Version 3, 29 June 2007

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set yrange [0:]

set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024

set xtics rotate by -45

set style histogram errorbars gap 2 lw 1

set style fill solid border -1

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1.388 libnl3 3.5.0-1.el8

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<parent>\
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```

<groupId>org.glassfish.hk2</groupId>\
<artifactId>external</artifactId>\
<version>2.6.1</version>\
</parent>\
<groupId>org.glassfish.hk2.external</groupId>\
<artifactId>aopalliance-repackaged</artifactId>\
<name>\
aopalliance version ${aopalliance.version}\ repackaged as a module\
</name>\
<build>\
<plugins>\
<plugin>\
<groupId>org.apache.maven.plugins</groupId>\
<artifactId>maven-dependency-plugin</artifactId>\
<executions>\
<execution>\
<id>step1-unpack-sources</id>\
<phase>process-sources</phase>\
<goals>\
<goal>unpack</goal>\
</goals>\
<configuration>\
<artifactItems>\
<artifactItem>\
<groupId>aopalliance</groupId>\
<artifactId>aopalliance</artifactId>\
<version>${aopalliance.version}</version>\
<classifier>sources</classifier>\
<overWrite>>false</overWrite>\
<outputDirectory>${project.build.directory}/alternateLocation</outputDirectory>\
</artifactItem>\
</artifactItems>\
</configuration>\
</execution>\
</executions>\
</plugin>\
<plugin>\
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<artifactId>build-helper-maven-plugin</artifactId>\
<executions>\
<execution>\
<id>step2-add-sources</id>\
<phase>process-sources</phase>\
<goals>\
<goal>add-source</goal>\
</goals>\
<configuration>\
<sources>\

```

```

<source>\${project.build.directory}\}/alternateLocation</source>\
</sources>\
</configuration>\
</execution>\
</executions>\
</plugin>\
<plugin>\
<groupId>org.apache.felix</groupId>\
<artifactId>maven-bundle-plugin</artifactId>\
<configuration>\
<instructions>\
<Embed-Dependency>\'a0*;scope=compile;inline=true\'a0</Embed-Dependency>\
<!--\

```

We set a mandatory attribute for these packages, because we don't want them to be visible to just anyone. An importer must specify the mandatory attribute for it to be able to import. See section #3.6.5 of OSGi R4 spec.

Why is this required?

See https://glassfish.dev.java.net/issues/show_bug.cgi?id=5385

By doing this, we allow user have any version of apache-commons lib in their application class loader hierarchy. They don't even have to set delegation=false in sun-web.xml! This is the true advantage of using OSGi.

Sahoo.

```

\
-->\
<Export-Package>org.aopalliance.*;version=\${aopalliance.version}</Export-Package>\
<Private-Package>!*</Private-Package>\
</instructions>\
</configuration>\
<executions>\
<execution>\
<id>osgi-manifest</id>\
<phase>process-classes</phase>\
<goals>\
<goal>manifest</goal>\
</goals>\
</execution>\
</executions>\
</plugin>\
</plugins>\
</build>\
<dependencies>\
<dependency>\
<groupId>aopalliance</groupId>\
<artifactId>aopalliance</artifactId>\
<version>\${aopalliance.version}</version>\
<optional>true</optional>\

```

```
</dependency>\n</dependencies>\n</project>\n}
```

Found in path(s):

* /aopalliance-2-6-1-zip/aopalliance-2.6.1.rtf

1.391 pysocks 1.6.8

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1.392 decorator 4.2.1

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1.393 nettle 3.4.1-7.el8

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1.395 libsemanage 2.9-8.el8

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