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Version 2.1, February 1999

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strtok_r, from Berkeley strtok
Oct 13, 1998 by Wes Peters <wes@softweyr.com>

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Theo de Raadt <deraadt@openbsd.org> came up with the idea of using such a mathematical system to generate more random (yet non-repeating) ids to solve the resolver/named problem. But Niels designed the actual system based on the constraints.

Later modified by Damien Miller to wrap the LCG output in a 15-bit permutation generator based on a Luby-Rackoff block cipher. This ensures the output is non-repeating and preserves the MSB twiddle trick, but makes it more resistant to LCG prediction.

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```
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/system/lib/libv8src.a
/system/lib/v8peephole.a
/system/lib64/libv8.a

/system/lib64/libv8base.a
/system/lib64/libv8gen.a
/system/lib64/libv8platform.a
/system/lib64/libv8sampler.a
/system/lib64/libv8src.a
/system/lib64/v8peephole.a

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valgrind

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```
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 */
```

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```
/system/lib/libopenjdkjvm.so
/system/lib/libopenjdkjvmd.so
/system/lib64/libopenjdkjvm.so
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/system/lib/libmdnssd.so
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/system/etc/seccomp_policy/mediacodec.policy
/system/etc/seccomp_policy/mediaextractor.policy
/system/lib/libkeymaster_messages.so
/system/lib/libkeymaster_portable.so
/system/lib/libmediaextractorservice.so
/system/lib/libpuresoftkeymasterdevice.so
/system/lib/libsoftkeymasterdevice.so
/system/lib64/libkeymaster_messages.so

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

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

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

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1.6	1.5.2	2000	CNRI	no
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1.6.1	1.6	2001	CNRI	yes (2)
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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
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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
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes

2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
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/system/bin/ping6
/system/bin/tracepath
/system/bin/tracepath6
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/recovery/root/plat_property_contexts
/recovery/root/sepolicy
/recovery/root/vendor_file_contexts
/recovery/root/vendor_property_contexts
/system/etc/selinux/mapping/26.0.cil
/system/etc/selinux/mapping/27.0.cil
/system/etc/selinux/mapping/28.0.cil
/system/etc/selinux/plat_and_mapping_sepolicy.cil.sha256
/system/etc/selinux/plat_file_contexts
/system/etc/selinux/plat_hwservice_contexts
/system/etc/selinux/plat_mac_permissions.xml
/system/etc/selinux/plat_property_contexts
/system/etc/selinux/plat_seapp_contexts
/system/etc/selinux/plat_sepolicy.cil
/system/etc/selinux/plat_service_contexts
/system/etc/selinux/selinux_denial_metadata
/system/etc/sepolicy_freeze_test
/system/etc/sepolicy_tests
```

/system/etc/treble_sepolicy_tests_26.0
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/system/lib64/libdng_sdk.so

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/system/bin/atrace
/system/xbin/cpustats
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/system/framework/content.jar

/system/priv-app/FusedLocation/FusedLocation.apk

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sha2.h

Version 1.0.0beta1

Written by Aaron D. Gifford <me@aarongifford.com>

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Heiko Hund <heiko@ist.eigentlich.net>

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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.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items—whatever suits your program.

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

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program  
'Gnomovision' (which makes passes at compilers) written by James Hacker.
```

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

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Notices for file(s):

/recovery/root/sbin/recovery
/root/init
/system/app/Calendar/Calendar.apk
/system/app/CertInstaller/CertInstaller.apk
/system/app/CompanionDeviceManager/CompanionDeviceManager.apk
/system/app/CubeLiveWallpapers/CubeLiveWallpapers.apk
/system/app/DeskClock/DeskClock.apk
/system/app/Email/Email.apk
/system/app/ExtShared/ExtShared.apk
/system/app/HTMLViewer/HTMLViewer.apk
/system/app/LiveWallpapersPicker/LiveWallpapersPicker.apk
/system/app/Music/Music.apk
/system/app/PrintRecommendationService/PrintRecommendationService.apk
/system/app/PrintSpooler/PrintSpooler.apk
/system/app/QuickSearchBox/QuickSearchBox.apk
/system/app/SoundRecorder/SoundRecorder.apk
/system/bin/am
/system/bin/app_process32
/system/bin/app_process64
/system/bin/cmd
/system/bin/dexdump
/system/bin/dumpsys
/system/bin/hid
/system/bin/ime
/system/bin/input
/system/bin/logcat
/system/bin/logcatd
/system/bin/logpersist.start
/system/bin/logwrapper
/system/bin/media
/system/bin/mediaserver
/system/bin/monkey
/system/bin/pm
/system/bin/recovery-persist
/system/bin/recovery-refresh
/system/bin/requestsync
/system/bin/run-as
/system/bin/service
/system/bin/svc
/system/bin/wm
/system/etc/fonts.xml
/system/etc/permissions/android.software.live_wallpaper.xml
/system/fonts/AndroidClock.ttf
/system/fonts/DroidSansMono.ttf
/system/framework/Launcher3CommonDepsLib.jar
/system/framework/Launcher3QuickStepLib.jar
/system/framework/SystemUI-proto.jar
/system/framework/SystemUI-tags.jar
/system/framework/am.jar

/system/framework/framework-res.apk
/system/framework/hid.jar
/system/framework/input.jar
/system/framework/libSharedSystemUI
/system/framework/media_cmd.jar
/system/framework/monkey.jar
/system/framework/requestsync.jar
/system/framework/settings-logtags.jar
/system/framework/svc.jar
/system/lib/drm/libfdlockengine.so
/system/lib/libandroid_runtime.so
/system/lib/libandroidfw.so
/system/lib/libarect.a
/system/lib/libaudioflinger.so
/system/lib/libcamera_client.so
/system/lib/libcameraservice.so
/system/lib/libcutils.a
/system/lib/libcutils.so
/system/lib/libdrmframework.so
/system/lib/libdrmpassthruplugin.so
/system/lib/libfusesideload.a
/system/lib/libhardware.so
/system/lib/libhardware_legacy.so
/system/lib/libhwui.so
/system/lib/libinit.a
/system/lib/liblogcat.so
/system/lib/liblogwrap.a
/system/lib/liblogwrap.so
/system/lib/libmedia.so
/system/lib/libmedia2_jni.so
/system/lib/libmedia_helper.so
/system/lib/libmedia_jni.so
/system/lib/libmedia_omx.so
/system/lib/libmediaplayerservice.so
/system/lib/libmounts.a
/system/lib/libmtp.so
/system/lib/libmusicbundle.a
/system/lib/libnativehelper.so
/system/lib/libnativewindow.so
/system/lib/libnetutils.so
/system/lib/libpagemap.so
/system/lib/libpixelflinger.so
/system/lib/libpower.so
/system/lib/librecovery.a
/system/lib/libregistermsect.a
/system/lib/libreverb.a
/system/lib/libserviceutility.so
/system/lib/libsoundpool.so
/system/lib/libstagefright.so
/system/lib/libstagefright_amrnb_common.so
/system/lib/libstagefright_codecbase.so
/system/lib/libstagefright_enc_common.so
/system/lib/libstagefright_flacdec.so
/system/lib/libstagefright_foundation.so
/system/lib/libstagefright_httplive.so
/system/lib/libstagefright_omx.so

/system/lib/libstagefright_omx_utils.so
/system/lib/libstagefright_soft_aacdec.so
/system/lib/libstagefright_soft_aacenc.so
/system/lib/libstagefright_soft_amrdec.so
/system/lib/libstagefright_soft_amrnbenc.so
/system/lib/libstagefright_soft_amrwbenc.so
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/system/lib/libstagefright_soft_mpeg4enc.so
/system/lib/libstagefright_soft_rawdec.so
/system/lib/libstagefright_soft_vorbisdec.so
/system/lib/libstagefright_soft_vpxdec.so
/system/lib/libui.so
/system/lib/libutils.a
/system/lib/libutils.so
/system/lib/libutilscallstack.so
/system/lib/libverifier.a
/system/lib64/drm/libfdlockengine.so
/system/lib64/extractors/libaacextractor.so
/system/lib64/extractors/libamrextractor.so
/system/lib64/extractors/libflacextractor.so
/system/lib64/extractors/libmidiextractor.so
/system/lib64/extractors/libmkvextractor.so
/system/lib64/extractors/libmp4extractor.so
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/system/lib64/extractors/liboggextractor.so
/system/lib64/extractors/libwavextractor.so
/system/lib64/libandroid_runtime.so
/system/lib64/libandroidfw.so
/system/lib64/libarect.a
/system/lib64/libaudioflinger.so
/system/lib64/libcamera_client.so
/system/lib64/libcameraservice.so
/system/lib64/libcutils.a
/system/lib64/libcutils.so
/system/lib64/libdrmframework.so
/system/lib64/libdrmpassthruplugin.so
/system/lib64/libfusesideload.a
/system/lib64/libhardware.so
/system/lib64/libhardware_legacy.so
/system/lib64/libhwui.so
/system/lib64/libinit.a
/system/lib64/liblogcat.so
/system/lib64/liblogwrap.a
/system/lib64/liblogwrap.so
/system/lib64/libmedia.so
/system/lib64/libmedia2_jni.so
/system/lib64/libmedia_helper.so
/system/lib64/libmedia_jni.so
/system/lib64/libmedia_omx.so
/system/lib64/libmounts.a
/system/lib64/libmtp.so

/system/lib64/libmusicbundle.a
/system/lib64/libnativehelper.so
/system/lib64/libnativewindow.so
/system/lib64/libnetutils.so
/system/lib64/libpagemap.so
/system/lib64/libpixelflinger.so
/system/lib64/libpower.so
/system/lib64/librecovery.a
/system/lib64/libregistermsexec.a
/system/lib64/libreverb.a
/system/lib64/libserviceutility.so
/system/lib64/libsoundpool.so
/system/lib64/libstagefright.so
/system/lib64/libstagefright_amrnb_common.so
/system/lib64/libstagefright_codecbase.so
/system/lib64/libstagefright_enc_common.so
/system/lib64/libstagefright_flacdec.so
/system/lib64/libstagefright_foundation.so
/system/lib64/libstagefright_httplive.so
/system/lib64/libstagefright_omx.so
/system/lib64/libstagefright_omx_utils.so
/system/lib64/libui.so
/system/lib64/libutils.a
/system/lib64/libutils.so
/system/lib64/libutilscallstack.so
/system/lib64/libverifier.a
/system/priv-app/CalendarProvider/CalendarProvider.apk
/system/priv-app/CellBroadcastReceiver/CellBroadcastReceiver.apk
/system/priv-app/Contacts/Contacts.apk
/system/priv-app/ContactsProvider/ContactsProvider.apk
/system/priv-app/DownloadProvider/DownloadProvider.apk
/system/priv-app/ExtServices/ExtServices.apk
/system/priv-app/InputDevices/InputDevices.apk
/system/priv-app/Launcher3QuickStep/Launcher3QuickStep.apk
/system/priv-app/MediaProvider/MediaProvider.apk
/system/priv-app/PackageInstaller/PackageInstaller.apk
/system/priv-app/Provision/Provision.apk
/system/priv-app/Settings/Settings.apk
/system/priv-app/SettingsIntelligence/SettingsIntelligence.apk
/system/priv-app/SettingsProvider/SettingsProvider.apk
/system/priv-app/SystemUI/SystemUI.apk
/system/priv-app/TeleService/TeleService.apk
/system/priv-app/TelephonyProvider/TelephonyProvider.apk
/system/priv-app/UserDictionaryProvider/UserDictionaryProvider.apk
/system/sbin/ksminfo
/system/sbin/latencytop
/system/sbin/librank
/system/sbin/procmem
/system/sbin/procrank
/system/sbin/rawbu
/system/sbin/runconuid
/system/sbin/showmap
/system/sbin/showslab
/system/sbin/su
/system/sbin/taskstats

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bspatch.c

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/data/nativetest64/memory_replay_tests/memory_replay_tests64
/root/sbin/slideshow
/system/bin/iotop
/system/bin/memory_replay32
/system/bin/memory_replay64
/system/bin/perfprofd
/system/bin/telecom
/system/framework/telecom.jar
/system/lib/libfec.a
/system/lib/libsimpleperf.a
/system/lib/libsquashfs_utils.a
/system/lib64/libfec.a
/system/lib64/libsimpleperf.a
/system/lib64/libsquashfs_utils.a
/system/sbin/simpleperf
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/system/etc/mke2fs.conf
/system/lib/libext4_utils.a
/system/lib/libext4_utils.so
/system/lib/libf2fs_sparseblock.so
/system/lib64/libext4_utils.a
/system/lib64/libext4_utils.so
/system/lib64/libf2fs_sparseblock.so
/system/sbin/micro_bench
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* encoding: US-ASCII
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*
* created on: 2005jan16
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*
* Low-level Unicode bidi/shaping properties access.
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`Replaceable` is an interface representing a string of characters that supports the replacement of a range of itself with a new string of characters. It is used by APIs that change a piece of text while retaining metadata. Metadata is data other than the Unicode characters returned by `char32At()`. One example of metadata is style attributes; another is an edit history, marking each character with an author and revision number.

An implicit aspect of the `Replaceable` API is that during a replace operation, new characters take on the metadata of the old characters. For example, if the string "the **font**" has range (4, 8) replaced with "strong", then it becomes "the **strong** font".

`Replaceable` specifies ranges using a start offset and a limit offset. The range of characters thus specified includes the characters at offset start..limit-1. That is, the start offset is inclusive, and the limit offset is exclusive.

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

For a subclass to support metadata, typical behavior of `replace()` is the following:

- Set the metadata of the new text to the metadata of the first character replaced
- If no characters are replaced, use the metadata of the previous character
- If there is no previous character (i.e. start == 0), use the following character
- If there is no following character (i.e. the replaceable was empty), use default metadata

- If the code point U+FFFF is seen, it should be interpreted as a special marker having no metadata

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

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@author Alan Liu
@stable ICU 2.0

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

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

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@see Replaceable
@author Alan Liu
@stable ICU 2.0

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LZ4 Library

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```

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```
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```

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```
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```

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

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```
<one line to give the library's name and a brief idea of what it does.>  
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```

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```

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```

```
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```

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```
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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!

Notices for file(s):

```
/system/lib/libcrypto.a  
/system/lib/libcrypto.so  
/system/lib/libssl.so  
/system/lib64/libcrypto.a  
/system/lib64/libcrypto.so  
/system/lib64/libssl.so  
/data/app/com.fujitsu.fjsoftphoned-cqf3cJzBNGh2MP2KPMyzxg==/lib/arm64/libsipproc.so
```

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=====
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*
*/

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```
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 *
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 * The implementation was written so as to conform with Netscapes SSL.
 *
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Notices for file(s):

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/system/lib64/libjsmn.a

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Notices for file(s):

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/system/lib/libbrillo-stream.a
/system/lib/libbrillo-stream.so
/system/lib/libbrillo.a
/system/lib/libbrillo.so
/system/lib/libminijail.a
/system/lib/libminijail.so
/system/lib64/libbrillo-binder.so
/system/lib64/libbrillo-stream.a
/system/lib64/libbrillo-stream.so
/system/lib64/libbrillo.a
/system/lib64/libbrillo.so
/system/lib64/libminijail.a
/system/lib64/libminijail.so

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```

Notices for file(s):
/system/framework/mp4parser.jar

```
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```

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■Google_AOSP_Notice_NOTICE_VENDOR

Notices for files contained in the vendor filesystem image in this directory:

Notices for file(s):

/vendor/lib/libwebrtc_audio_preprocessing.so
/vendor/lib64/libwebrtc_audio_preprocessing.so

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*
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// See <http://www.boost.org/> for updates, documentation, and revision history.

```
/*  
Some improvements suggested by:  
Phil Endecott and Frank Gennari  
Cygwin fix provided by:  
Scott McMurray  
*/
```

```
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```

```
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//  
// See http://www.boost.org/libs/smart\_ptr/scoped\_ptr.htm for documentation.  
//  
// scoped_ptr mimics a built-in pointer except that it guarantees deletion  
// of the object pointed to, either on destruction of the scoped_ptr or via  
// an explicit reset(). scoped_ptr is a simple solution for simple needs;  
// use shared_ptr or std::auto_ptr if your needs are more complex.
```

```
// scoped_ptr_malloc added in by Google. When one of
// these goes out of scope, instead of doing a delete or delete[], it
// calls free(). scoped_ptr_malloc<char> is likely to see much more
// use than any other specializations.

// release() added in by Google. Use this to conditionally
// transfer ownership of a heap-allocated object to the caller, usually on
// method success.
```

```
/*
 * Written by Wilco Dijkstra, 1996.
 * Refer to NOTICE file at the root of git project.
 *
 * Minor modifications in code style for WebRTC, 2012.
 */

// The following email record is related to source files spl_sqrt_floor.c
// and spl_sqrt_floor.s in trunk/src/common_audio/signal_processing/.
//
//
// From: Wilco Dijkstra <Wilco.Dijkstra@ntlworld.com>
// Date: Fri, Jun 24, 2011 at 3:20 AM
// Subject: Re: sqrt routine
// To: Kevin Ma <kma@google.com>
// Hi Kevin,
// Thanks for asking. Those routines are public domain (originally posted to
// comp.sys.arm a long time ago), so you can use them freely for any purpose.
// Cheers,
// Wilco
//
// ----- Original Message -----
// From: "Kevin Ma" <kma@google.com>
// To: <Wilco.Dijkstra@ntlworld.com>
// Sent: Thursday, June 23, 2011 11:44 PM
// Subject: Fwd: sqrt routine
// Hi Wilco,
// I saw your sqrt routine from several web sites, including
// http://www.finesse.demon.co.uk/steven/sqrt.html.
// Just wonder if there's any copyright information with your Successive
// approximation routines, or if I can freely use it for any purpose.
// Thanks.
// Kevin
```

```
Notices for file(s):
/vendor/lib/soundfx/libldnhncr.so
/vendor/lib64/soundfx/libldnhncr.so
```

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Notices for file(s):

/vendor/etc/selinux/plat_pub_versioned.cil
/vendor/etc/selinux/plat_sepolicy_vers.txt
/vendor/etc/selinux/precompiled_sepolicy.plat_and_mapping.sha256
/vendor/etc/selinux/precompiled_sepolicy
/vendor/etc/selinux/vendor_file_contexts
/vendor/etc/selinux/vendor_hwservice_contexts
/vendor/etc/selinux/vendor_mac_permissions.xml
/vendor/etc/selinux/vendor_property_contexts
/vendor/etc/selinux/vendor_seapp_contexts
/vendor/etc/selinux/vendor_sepolicy.cil
/vendor/etc/selinux/vndservice_contexts

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/vendor/bin/logwrapper
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/vendor/lib/libfibocom-ril.so
/vendor/lib/libreference-ril.so
/vendor/lib/libril.so
/vendor/lib/soundfx/libaudioprocessing.so
/vendor/lib/soundfx/libbundlewrapper.so
/vendor/lib/soundfx/libdownmix.so
/vendor/lib/soundfx/libverbwrapper.so
/vendor/lib/soundfx/libvisualizer.so
/vendor/lib64/libfibocom-ril.so
/vendor/lib64/libreference-ril.so
/vendor/lib64/libril.so
/vendor/lib64/soundfx/libaudioprocessing.so

/vendor/lib64/soundfx/libbundlewrapper.so
/vendor/lib64/soundfx/libdownmix.so
/vendor/lib64/soundfx/libeverbwrapper.so
/vendor/lib64/soundfx/libvisualizer.so

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Notices for file(s):

/vendor/bin/toybox_vendor

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(Note: some build infrastructure in the kconfig directory is still GPLv2, cleaning that out is a TODO item, but it doesn't affect the resulting binary.)

Notices for file(s):

/vendor/lib/hw/bootctrl.avb.so

/vendor/lib64/hw/bootctrl.avb.so

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Release – Android p9.0.0_2.3.4
2020-Mar

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– Section 2.3 applies

Repository tag for this release is: p9.0.0_2.3.4

```
repo init -u https://source.codeaurora.org/external/imx/imx-manifest -b imx-android-pie -m  
imx-p9.0.0_2.3.4.xml
```

NXP Proprietary Packages

Package: vendor/nxp/fsl-codec
Outgoing License: NXP Proprietary
Release Location: Android package on NXP.com
Type of content: Binaries and header files
Description and comments: Codecs and parsers for AAC, AMR, APE, AVI, FLAC, FLV, H263, MKV, MP3, MP4,
MPG2,
NB_AMR, OGG, PEQ, WAV, WB_AMR, G.711, G.723, G.726, G.729ab
Origin: NXP (proprietary)

Package: vendor/nxp/fsl-proprietary
Outgoing License: NXP Proprietary
Release Location: Android package on NXP.com
Type of content: Binaries and header files
Origin: NXP (proprietary)
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Khronos Group (MIT) – <http://www.khronos.org/opencv/>

Package: vendor/nxp/fsl_imx_omx
Outgoing License: NXP Proprietary
Release Location: Android package on NXP.com
Type of content: Source code
Origin: NXP (proprietary)
The Khronos Group Inc. (MIT) – <https://www.khronos.org/>
PacketVideo (Apache-2.0) – <http://www.packetvideo.com/>

Package: vendor/nxp/mcu-sdk-auto
Outgoing License: NXP Proprietary
Release Location: Android package on NXP.com
Type of content: Source code
Description and comments: MCU sdk for Android automative
Origin: NXP (proprietary)
Amazon (MIT) – <https://aws.amazon.com/freertos/>
ARM CMSIS (Apache-2.0) – <http://silver.arm.com>
Mentor Graphics Corporation (BSD-3-Clause) –
<https://github.com/OpenAMP/open-amp>

Package: vendor/nxp/linux-firmware-imx
Outgoing License: NXP Proprietary
Release Location: Android package on NXP.com
Type of content: Binaries
Description and comments: BSP firmware – DDR, HDMI
Origin: NXP (proprietary)
DDR: Synopsys (proprietary)
HDMI: Cadence Design Systems, Inc. (proprietary)

Package: vendor/nxp/imx-g2d-pxp
Outgoing License: NXP Proprietary
Release Location: Android package on NXP.com
Type of content: Source code
Description and comments: g2d library based on pxp
Origin: NXP (proprietary)

Package: vendor/nxp/imx-vpu-cnm
Outgoing License: NXP Proprietary
Release Location: Android package on NXP.com
Type of content: Source code
Description and comments: VPU library
Origin: NXP (proprietary)
Chips & Media, Inc. (proprietary)

Package: vendor/nxp/imx-vpu-hantro
Outgoing License: NXP Proprietary
Release Location: Android package on NXP.com
Type of content: Source code
Description and comments: VPU library
Origin: NXP (proprietary)
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The Android Open Source Project (Apache-2.0) – <https://source.android.com/>
The Khronos Group – OpenMAX (MIT) – <https://www.khronos.org/openmax/>
webm (BSD-3-clause) – <https://bugs.chromium.org/p/webm/issues/list>
md5 (BSD-3-clause) – <https://bugs.chromium.org/p/webm/issues/list>

Package: vendor/nxp/qca-wifi-bt
Outgoing License: NXP Proprietary AND QUALCOMM_ATHEROS_LICENSE_AGREEMENT.pdf
License File: QUALCOMM_ATHEROS_LICENSE_AGREEMENT.pdf
Release Location: Android package on NXP.com
Type of content: Binaries
Origin: Qualcomm Technologies, Inc (proprietary)

Package: vendor/nxp/imx-seco
Outgoing License: NXP Proprietary
Type of content: Binaries
Description and comments: SECO BSP firmware
Release Location: Android package on NXP.com
Origin: NXP (proprietary)

Repository: vendor/nxp/imx-firmware
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applies
License File: EULA.txt
Type of content: Binary
Description and comments: BSP firmware – Broadcom Bluetooth and WIFI
Release Location: <https://github.com/NXP/imx-firmware>
Origin: Broadcom Corporation (proprietary)
Cypress Semiconductor Corporation (proprietary)

Package: rpmb_key_test.bin
Outgoing License: LA_OPT_NXP_Software_License v10 December 2019 – Production Use – Section 2.3
applies
License File: EULA.txt
Type of Content: binary
Description and comments: Prebuilt test RPMB key, it can be used to set the RPMB key as fixed 32 bytes
0x00
Origin: NXP (proprietary)

Package: testkey_public_rsa4096.bin
Outgoing License: LA_OPT_NXP_Software_License v10 December 2019 – Production Use – Section 2.3
applies
License File: EULA.txt
Type of Content: binary
Description and comments: Prebuilt AVB public key, it's extracted from default AVB private key.
Origin: NXP (proprietary)

NXP provided open source repos

Repository: device/fsl
Outgoing License: Apache-2.0
License File: NOTICE
Release Location: <https://source.codeaurora.org/external/imx/android-imx/device/fsl>
Origin: NXP (Apache-2.0)
The Android Open Source Project (Apache-2.0) – <https://source.android.com/>
Broadcom Corporation (Apache-2.0)

Repository: vendor/nxp-opensource/fsl_imx_demo
Outgoing License: Apache-2.0
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Release Location: https://source.codeaurora.org/external/imx/android-imx/platform/packages/apps/fsl_imx_demo/ Location:
Origin: NXP (Apache-2.0)
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Repository: vendor/nxp-opensource/imx
Outgoing License: Apache-2.0
License File: NOTICE
Release Location: Location:

<https://source.codeaurora.org/external/imx/android-imx/platform/hardware/imx/>

Origin: NXP (Apache-2.0)
The Android Open Source Project (Apache-2.0) – <https://source.android.com/>

Repository: vendor/nxp-opensource/imx-lib
Outgoing License: LGPL-2.1+
License File: COPYING-LGPL-2.1
Release Location: <https://source.codeaurora.org/external/imx/imx-lib>
Description and comments: BSP libraries
Origin: NXP (LGPL-2.1+)

Repository: vendor/nxp-opensource/imx-mkimage
Outgoing License: GPL-2.0
License File: COPYING
Release Location: <https://source.codeaurora.org/external/imx/imx-mkimage>
Description and comments: Make Image BootLoader
Origin: NXP (GPL-2.0)
Das U-Boot – Universal Bootloader (GPL-2.0+) –

<http://www.denx.de/wiki/U-Boot/WebHome>

Repository: vendor/nxp-opensource/libdrm-imx
Outgoing License: MIT
License File: COPYING
Release Location: <https://source.codeaurora.org/external/imx/libdrm-imx>
Description and comments: i.MX DRM Direct Rendering Manager
Origin: NXP (MIT)

Repository: vendor/nxp-opensource/kernel_imx
Outgoing License: GPL-2.0
License File: COPYING
Description and comments: The Linux kernel with i.MX-specific drivers
Release Location: <https://source.codeaurora.org/external/imx/linux-imx>
Origin: NXP (GPL-2.0)
kernel.org (GPL-2.0+) – <https://www.kernel.org/>

Package: vendor/nxp-opensource/kernel_imx/drivers/net/wireless/qcacl2-2.0
Outgoing License: ISC License
License File: COPYING
Type of content: Source code
Description and comments: QCA9377, QCA6174A WLAN linux driver
Release Location: vendor/nxp-opensource/kernel_imx/drivers/net/wireless
Origin: NXP (ISC)
Qualcomm Atheros, Inc. (ISC) ?

<https://source.codeaurora.org/external/wlan/qcacl2-2.0>

Repository: vendor/nxp-opensource/uboot-imx
Outgoing License: GPL-2.0+
License File: README
Description and comments: Bootloader with i.MX-specific capabilities
Release Location: <https://source.codeaurora.org/external/imx/uboot-imx>

Origin: NXP (GPL-2.0)
Das U-Boot - Universal Bootloader (GPL-2.0+) -
<http://www.denx.de/wiki/U-Boot/WebHome>
Android Open Source Project (BSD-2-Clause) - <https://source.android.com/>
zlib (zlib license) - <http://www.zlib.net/>

Repository: vendor/nxp-opensource/arm-trusted-firmware
Outgoing License: BSD-3-clause
License File: license.rst
Release Location: <https://source.codeaurora.org/external/imx/imx-atf>
Origin: NXP (BSD-3-clause)
arm-trusted-firmware v1.4 - ARM Limited (BSD-3-clause) -
<http://github.com/ARM-software/arm-trusted-firmware/>

Modified AOSP Repos

Repository: platform/bootable/recovery
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Repository: platform/frameworks/opt/net/ethernet
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lib/libc-trusty/ (BSD-2-clause)
lib/storage/ (Apache-2.0)
lib/unittest/ (Apache-2.0)
lib/hwkey/ (Apache-2.0)
lib/rng/ (Apache-2.0)
lib/openssl-stubs/ (BSD-2-clause)
lib/libstdc++-trusty/ (BSD-2-clause)
include/user/ (MIT)
interface/storage/ (Apache-2.0)

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Tools

Package: fsl-sdcard-partition.sh
Outgoing License: NXP Proprietary
Description and Comments: Script used on Linux PC to flash i.MX Android images via dd.
Origin: NXP (proprietary)

Package: fastboot_imx_flashall.sh
Outgoing License: NXP Proprietary
Description and Comments: Script used on Linux PC to flash i.MX Android images via fastboot.
Origin: NXP (proprietary)

Package: fastboot_imx_flashall.bat
Outgoing License: NXP Proprietary
Description and Comments: Script used on Windows PC to flash i.MX Android images via fastboot.
Origin: NXP (proprietary)

Package: uuu_imx_android_flash.sh
Outgoing License: NXP Proprietary
Description and Comments: Script used on Linux PC to flash i.MX Android images via uuu and fastboot.
Origin: NXP (proprietary)

Package: uuu_imx_android_flash.bat
Outgoing License: NXP Proprietary
Description and Comments: Script used on Windows PC to flash i.MX Android images via uuu and fastboot.
Origin: NXP (proprietary)

Package: uuu_1.3.82 (mfgtools)
Binaries: uuu [Linux]
uuu.exe [Windows]
Outgoing License: BSD-3-clause
License File: LICENSE
Package Category: Tools
Type of content: Source
Description and comments: NXP I.MX Chip image deploy tools. Use uuu.
Release Location: <https://github.com/nxpmicro/mfgtools> -b uuu_1.3.82
Origin: NXP (BSD-3-clause)
zlib (zlib) - <https://github.com/madler/zlib>
libusb (LGPL-2.1) [libusb-1.0.dll] - <https://github.com/libusb/libusb>
bzip2 (BSD-4-clause) -
<https://github.com/enthought/bzip2-1.0.6/tree/288acf97a15d558f96c24c89f578b724d6e06b0c>
Android Open Source Project (Apache-2.0) [sparse_format.h] -
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Reachability:

Sample code project: Reachability

Version: 5.0

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

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■Zlib

zlib.h — interface of the 'zlib' general purpose compression library
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File: `aclocal.m4` (only for ICU4C)

Section: `pkg.m4` - Macros to locate and utilise `pkg-config`.

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■U-dma-buf

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

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■NXP BSP arm-trusted-firmware (BSD-3-Clause)

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