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 * Abstract: The main routine
 *
 --*/

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```
   You can contact the author at :
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*/
```

For hadoop-common-project/hadoop-common/src/main/native/gtest

---

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nodemanager/src/main/native/container-
executor/impl/compat/{fstatat|openat|unlinkat}.h:

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Argon2 1.3

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eslint-plugin-vue 4.7.1

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intercept-stdout 0.1.2

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independent software vendors (ISVs) who license and distribute the
Java SE Runtime Environment with their programs.

Vendors must follow the terms of the Java SE Runtime Environment Binary
Code License agreement.

Required vs. Optional Files

The files that make up the Java SE Runtime Environment are divided into
two categories: required and optional. Optional files may be excluded
from redistributions of the Java SE Runtime Environment at the
vendor's discretion.

The following section contains a list of the files and directories that
may optionally be omitted from redistributions with the Java SE Runtime
Environment. All files not in these lists of optional files must be
included in redistributions of the runtime environment.

Optional Files and Directories

The following files may be optionally excluded from redistributions.
These files are located in the jre1.7.0_<version> directory, where
<version> is the update version number. Solaris and Linux filenames
and separators are shown. Windows executables have the ".exe" suffix.
Corresponding files with _g in the name can also be excluded.
The corresponding man pages should be excluded for any excluded
executables (with paths listed below beginning with bin/ ,
for the Solaris(TM) Operating System and Linux).

   lib/ext/
   sunjce_provider.jar,sunec.jar, sunpkcs11.jar and sunmscapi.jar - JCA/JCE
   providers for Java Cryptography APIs. Some providers
   are not available on all OS or Architectures. The
   runtime environment must contain at least one implementation
   of each of the required Security algorithms as described in:
   http://download.oracle.com/javase/7/docs/technotes/guides/
   security/StandardNames.html

   localedata.jar - contains many of the resources
                    needed for non US English locales
   dnsns.jar - for the InetAddress wrapper of JNDI DNS provider
   bin/rmid [.exe, and .dll on Microsoft Windows]
   Java RMI Activation System Daemon
   bin/rmiregistry
   Java Remote Object Registry
   bin/tnameserv
   Java IDL Name Server
   bin/keytool
   Key and Certificate Management Tool
   bin/kinit [Microsoft Windows]
   Used to obtain and cache Kerberos ticket-granting tickets
   bin/klist [Microsoft Windows]
   Kerberos display entries in credentials cache and keytab
   bin/ktab [Microsoft Windows]
   Kerberos key table manager
   bin/policytool
   Policy File Creation and Management Tool

```
   bin/orbd
   Object Request Broker Daemon
   bin/servertool
   Java IDL Server Tool
   bin/javaws and lib/javaws.jar
   Java Web Start

When redistributing the JRE on Microsoft Windows as a private
application runtime (not accessible by other applications)
with a custom launcher, the following files are also
optional.  These are libraries and executables that are used
for Java support in Internet Explorer and Mozilla family browsers;
these files are not needed in a private JRE redistribution.

    bin\java.exe
    bin\javaw.exe
    bin\javaws.exe
    bin\javacpl.exe
    bin\jucheck.exe
    bin\wsdetect.dll
    bin\npjpi*.dll (The filename changes in every release)
    bin\NPOJI610.dll
    bin\axbridge.dll
    bin\deploy.dll
    bin\jpicom.dll
    bin\javacpl.cpl

    bin\jpiexp32.dll
    bin\jpinscp.dll
    bin\jpioji.dll
    bin\jpishare.dll
    lib\deploy.jar
    lib\plugin.jar
    lib\javaws.jar
    lib\deploy\messages.properties
    lib\deploy\messages_de.properties
    lib\deploy\messages_es.properties
    lib\deploy\messages_fr.properties
    lib\deploy\messages_it.properties
    lib\deploy\messages_ja.properties
    lib\deploy\messages_ko.properties
    lib\deploy\messages_pt_BR.properties
    lib\deploy\messages_sv.properties
    lib\deploy\messages_zh_CN.properties
    lib\deploy\messages_zh_HK.properties
    lib\deploy\messages_zh_TW.properties
    lib\deploy\splash.jpg


------------------------------------------------------------------------
Redistributable JDK(TM) Files
------------------------------------------------------------------------

The limited set of files from the Java SE Development Kit (JDK)
listed below may be included in vendor redistributions of the Java SE
Runtime Environment.  All paths are relative to the top-level
directory of the JDK. The corresponding man pages should be included for
any included executables (with paths listed below beginning with bin/ ,
for the Solaris(TM) Operating System and Linux).

    jre/lib/cmm/PYCC.pf
        Color profile.  This file is required only if one wishes to
        convert between the PYCC color space and another color space.
```

All .ttf font files in the jre/lib/fonts directory.
    Note that the LucidaSansRegular.ttf font is already contained
    in the Java SE Runtime Environment, so there is no need to
    bring that file over from the JDK.

The javac bytecode compiler, consisting of the following files:
    bin/javac   [Solaris(TM) Operating System
                         and Linux]
    bin/sparcv9/javac   [Solaris Operating System
                         (SPARC(R) Platform Edition)]
bin/amd64/javac   [Solaris Operating System (AMD)]
    bin/javac.exe   [Microsoft Windows]
    lib/tools.jar   [All platforms]

The Annotation Processing Tool, consisting of the following files:
    bin/apt   [Solaris(TM) Operating System
                         and Linux]
    bin/sparcv9/apt   [Solaris Operating System
                         (SPARC(R) Platform Edition)]
bin/amd64/apt   [Solaris Operating System (AMD)]
    bin/apt.exe   [Microsoft Windows]

lib/jconsole.jar
    The Jconsole application.

jre\bin\server\
    On Microsoft Windows platforms, the JDK includes both
    the Java HotSpot(TM) Server VM and Java HotSpot Client VM.
    However, the Java SE Runtime Environment for Microsoft Windows
    platforms includes only the Java HotSpot Client VM. Those wishing
    to use the Java HotSpot Server VM with the Java SE Runtime
    Environment may copy the JDK's jre\bin\server folder to a
    bin\server directory in the Java SE Runtime Environment. Software
    vendors may redistribute the Java HotSpot Server VM with their
    redistributions of the Java SE Runtime Environment.

Unlimited Strength Java Cryptography Extension

Due to import control restrictions for some countries, the Java
Cryptography Extension (JCE) policy files shipped with the Java SE
Development Kit and the Java SE Runtime Environment allow strong but
limited cryptography to be used. These files are located at

     <java-home>/lib/security/local_policy.jar
     <java-home>/lib/security/US_export_policy.jar

where <java-home> is the jre directory of the JDK or the
top-level directory of the Java SE Runtime Environment.

An unlimited strength version of these files indicating no restrictions
on cryptographic strengths is available on the JDK web site for
those living in eligible countries. Those living in eligible countries
may download the unlimited strength version and replace the strong
cryptography jar files with the unlimited strength files.

The cacerts Certificates File

```
Root CA certificates may be added to or removed from the Java SE
certificate file located at

    <java-home>/lib/security/cacerts

For more information, see "The cacerts Certificates File" section
in the keytool documentation at:

http://download.oracle.com/javase/7/docs/technotes/guides/security

========================================================================
Endorsed Standards Override Mechanism
========================================================================

From time to time it is necessary to update the Java platform in order
to incorporate newer versions of standards that are created outside of
the Java Community Process(SM) (JCP(SM) http://www.jcp.org/) (Endorsed
Standards), or in order to update the version of a technology included
in the platform to correspond to a later standalone version of that
technology (Standalone Technologies).

The Endorsed Standards Override Mechanism provides a means whereby
later versions of classes and interfaces that implement Endorsed
Standards or Standalone Technologies may be incorporated into the Java
Platform.

For more information on the Endorsed Standards Override Mechanism,
including the list of platform packages that it may be used to
override, see

    http://download.oracle.com/javase/7/docs/technotes/guides/standards/
```

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Java Servlet Specification 4.0.6

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JavaMail 1.6.1

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JavaScript Cookie 1.3.1

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JavaScript Micro-Templating

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javax.ws.rs-api (JAX-RS API) 2.1

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https://github.com/jax-rs/api
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Java™ SE 7 Development Kit (JDK™)

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Java™ Transaction API (JTA) 1.1

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JAX RS Provider For JSON Content Type (jackson-jaxrs) 1.9.13

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JBoss Logging 3 3.0.0.Beta5

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JDOM 2.0.6

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Jeditable 1.7.3

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jemalloc 5.0.1

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Jersey 1.19.3

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JLine 0.9.94

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Joda-Time 2.8.1

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jq 1.5

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jQuery 1.8.2

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jQuery 2.0.0

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jQuery Cookie Plugin 1.3.1

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jQuery Mockjax 2.2.1

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jQuery UI 1.11.4

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jquery.balloon.js 1.1.2

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JS-YAML 3.13.1

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Logback 1.2.3

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MD5 2.2.1

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multipart-stream 2.0.1

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MXP1: Xml Pull Parser 3rd Edition (XPP3) 1.1.4c

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node-notifier 5.1.2

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OkHttp 3.10.0

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Ported and modified implementation of Berghel/Roach

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Protractor 5.4.2

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psqlODBC 10.01

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qs 6.6.0

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read 1.0.7

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Request - Simplified HTTP client 2.88.0

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www-authenticate 0.6.2

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XML Signature Syntax and Processing 1.1

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in src/lib/gssapi, including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c
and the initial implementation of incremental propagation, including the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c

lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c
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